

This Section provides an overview of the planning process; identifies the Nevada Mitigation Planning Committee (NHMPC) members; documents public outreach efforts; and summarizes the review and incorporation of existing plans, studies, and reports used in the development of this Nevada Hazard Mitigation Plan (NHMP). *The overall planning revision process was the same as in the previous update but the membership of the NHMPC was broadened to include more stakeholders in the planning process. One other revision to this section made since the 2010 update is that a new effort was made to track some public education and outreach efforts in hazard mitigation made by NHMP committee and subcommittee members by circulating and collecting a form documenting these efforts and tabulating them. Also the plan documents Nevada's participation in the U.S. Army Corps of Engineers' Silver Jackets program beginning in 2012.*

## 2.1 OVERVIEW OF THE PLANNING PROCESS

The requirements for the documentation of the mitigation planning process, as stipulated by the DMA 2000 and its implementing regulations, are described below.

### DMA 2000 REQUIREMENTS: PLANNING PROCESS

#### Documentation of the Planning Process

Requirement §201.4(c)(1): The State plan **must** include a description of the planning process used to develop the plan, including how it was prepared, who was involved in the process, and how other agencies participated.

#### Element

- Does the plan provide a narrative description of how the **new or updated** plan was prepared?
- Does the **new or updated** plan indicate who was involved in the **current** planning process?
- Does the **new or updated** plan indicate how other agencies participated in the planning process?
- Does the updated plan document indicate how the planning team reviewed and analyzed each section of the plan?
- Does the updated plan indicate for each section whether or not it was revised as part of the update process?

*Source: FEMA, Standard State Hazard Mitigation Plan Review Crosswalk 2008*

### 2.1.1 How the Updated Plan was Prepared

The Subcommittee followed the method for updating the plan presented in Section 6.1.4 of Section Six of the 2010 NHMP. What follows is a narrative summary of how this was accomplished:

In January of 2011, the Subcommittee met and tasked the planning team with implementation of the decisions of the Subcommittee on modifications to the plan document. The Subcommittee continually provided direction and expertise to the planning team throughout the update process. The planning team solicited input from the Subcommittee members and other agencies with the expertise needed to address the required Crosswalk elements revisions for each Section. The planning team reviewed and analyzed each section of the plan with input from the Subcommittee members. The planning team revised each section accordingly and brought revisions to the Subcommittee for final review. The Subcommittee Chair presented the Subcommittee's updated sections to the NHMPC for final approval. Table 2-4 in Section 2.1.4 lists each planning team work session, who was present, and accomplishments.

Proposed updates to sections were posted for review on the NHMPC website and emailed to the Subcommittee members as well as to additional interested stakeholders, with a deadline for submitting comments. All comments received were discussed at the next Subcommittee meeting with a consensus reached on proposed revisions to the section. The Subcommittee directed the planning team to modify the Section as agreed and when revised sections were completed, these were again posted and emailed for final review. The Subcommittee Chair reviewed any additional input and if the change was significant an email was sent requesting a vote. The final draft was placed as an action item for approval on the agenda for the next meeting.

### 2.1.2 Who Was Involved in the NHMP Update Process

In order to prepare the 2013 update to NHMP, the Subcommittee reevaluated FEMA's Crosswalk comments and the Annual Review Questionnaire to identify any stakeholders whose participation would be invaluable to the planning process or to mitigation actions. Based on this review, the Planning Team drafted a letter of invitation and a list of potential stakeholders to whom the invitation was sent some responded and some did not. The resultant Mitigation Planning Subcommittee participating members and their proxies are listed in Table 2-1. Subcommittee participation and contributions are documented by the attendance rosters and minutes of each meeting. The Subcommittee was expanded in this iteration with representation from several new entities. These include:

**Table 2-1.** Membership of the Nevada Hazard Mitigation Planning Subcommittee and alternates (as of September 2013)

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Nevada Revised Statutes on Open Meetings were followed in publicly posting scheduled meetings of the NHMP subcommittee. Participation from the public in the planning process was also solicited via postings in the online quarterly meeting agendas, on the NHMPC and DEM websites, and on social media mitigation sites (Facebook, Twitter) maintained by DEM requesting input and feedback on mitigation issues and activities. To date there has been no direct public feedback received in response to these postings, however, we still feel it is important to keep them updated and current as a resource for the public to access freely.

Information about the plan update and the planning process was presented by NESC and WUI group at meetings that took place during the plan update period. This reached a much larger audience that included hospitals, service providers, casinos, private industry, private non-profits, GIS specialists, building officials, federal agencies such as Bureau of Land Management, U.S. Forest Service, architectural and engineering firms, homeowners, and local firefighters. DEM staff ensured that the meeting agendas were distributed to local

emergency managers and tribal entities requesting input. No direct comments or feedback from the public were received by the Subcommittee about the state plan update from any of these entities.

All members of the NHMPC and Subcommittee participate in a wide variety of other state and public organizations such as the Nevada Earthquake Safety Council, the Wildland Urban Interface Summit, the State Mapping Advisory Committee, Nevada Mining Association, the State Emergency Response Commission, Homeland Security Working Group, Nevada Hospital Association, State Public Works Division, Intertribal Council of Nevada, Nevada Insurance Council, and many other educational and civic groups. Through contact with groups such as these, the subcommittee members have much contact with the public and hear their concerns about hazard mitigation in many venues and thus are able to incorporate these concerns into their work on the Subcommittee.

## 2.1.3 How Other Agencies Participated in the NHMP Update Process

Other agencies participated by serving as members of the NHMP Subcommittee and by providing oversight and direction of the update process. When additional information was required to comply with Crosswalk elements and recommendations, the Subcommittee also solicited specific input, expertise, and data from other agencies not represented on the Subcommittee. Table 2-2 details the contributions of all agencies in the NHMP update process.

<b>Table 2-2. Documentation of Agency Participation in Update Process</b>	
<b>Agency</b>	<b>Mode of Participation in the Plan Update Process</b>
Carson City Fire Department	Provides input on Wildland Urban Interface (WUI) fire risks and mitigation strategies to reduce WUI fire risk
Carson City Office of Emergency Management	Provides input on mitigation of Wildland-Urban Interface fires, flooding, earthquake, hazardous materials, etc.
City of Las Vegas Office of Emergency Management	Represents the interests of Clark County's Hazard Mitigation Committee on the State Mitigation Planning Subcommittee.
FEMA Region IX	Provides FEMA guidance to the Subcommittee in revising the NHMP.
National Weather Service/Reno	Provides data on weather-related hazards to aid in the revision and update of the NHMP at quarterly meetings and via email..
Nevada Attorney General's Office	Provides legal counsel to the Subcommittee and language revisions used in the updated plan. Ensures compliance with Nevada Revised Statutes in all updated material in the NHMP.
Nevada Bureau of Mines and Geology	Provides geologic information, editorial and technical assistance, GIS data, and support personnel to the Subcommittee to aid in the revision and update of the NHMP.
Nevada Department of Administration/ Division of Risk	Provides insurance, safety, loss prevention and risk management data used to update the NHMP.

<b>Table 2-2. Documentation of Agency Participation in Update Process</b>	
<b>Agency</b>	<b>Mode of Participation in the Plan Update Process</b>
Management	
Nevada Department of Agriculture	Provides information regarding agriculture and related industries to the Subcommittee for use in updating the NHMP
Nevada Department of Cultural Affairs, State Historical Preservation Office	Provides technical assistance to the Subcommittee regarding preservation of Nevada's historic and cultural resources. Provides Unreinforced Masonry Building (URM) data regarding historical buildings to the Subcommittee to aid in the revision and update of the NHMP.
Nevada Department of Transportation	Provides leadership and direction to the Subcommittee in updating the NHMP; identified state transportation-related infrastructure vulnerable to hazards; and updated hazard data tables at quarterly meetings and via email.
Nevada Dept. of Conservation & Natural Resources	Provides data and information to the NHMP committee for use in updating the NHMP specifically pertinent to infestation, epidemic, flood, Hazmat, wildfire, and other sections.
Nevada Dept. of Wildlife	Provides expert input and data on invasive species.
Nevada Division of Emergency Management	Provides personnel, resources, research, and data used to update the NHMP. Provides a link between FEMA Region IX and the Subcommittee. Provides disaster response and recovery information to the Subcommittee.
Nevada Division of Environmental Protection	Provides the Subcommittee with input relating to air quality, water quality, and hazardous materials used in updating the NHMP.
Nevada Division of Forestry	Provides input on Wildland Urban Interface (WUI) fire risks, and mitigation strategies to reduce WUI fire risk at quarterly meetings and via email.
Nevada Division of Insurance	Provides direction to the Subcommittee to promote hazard mitigation in the private sector to enhance its benefits to reducing risk at quarterly meetings and via email..
Nevada Division of Public Works	Provides information regarding facilities infrastructure to the Subcommittee to aid in the revision and update of the NHMP.
Nevada Division of Water Resources	Provides floodplain management data and Repetitive Loss data to the Subcommittee for use in updating the NHMP. Provided dam inspection data pertinent to dam safety, risks and mitigation.
Nevada Earthquake Safety Council (NESC)	Provides input on earthquake safety and hazards used in updating the NHMP.
Nevada Public Agency Insurance Pool	Provides data on Unreinforced Masonry Buildings (URM) data to the Subcommittee to aid in the revision and update of the NHMP at quarterly meetings.
Nevada State Emergency Response Commission	Provides expertise on hazardous materials profile and permitting in plan updates.
Nevada State Fire Marshal's office	Provides information regarding fire and Hazmat hazard in the state to the Subcommittee for plan updates.

<b>Table 2-2. Documentation of Agency Participation in Update Process</b>	
<b>Agency</b>	<b>Mode of Participation in the Plan Update Process</b>
Nevada State Hospital Association	Provides critical facilities information to the Subcommittee used to update the NHMP and supports the implementation of mitigation activities in hospitals statewide.
U. S. Army Corps of Engineers	Provides input on mitigation of flood hazards through frequent meetings and teleconferences with committee members.
U. S. Bureau of Land Management	Provides input on mitigation of Wildland-Urban Interface fires through quarterly meetings.
U. S. Dept. of Agriculture	Provides data and information to the Subcommittee for use in updating the NHMP specifically pertinent to infestation, epidemic, Hazmat, wildfire, and other sections through interactions with committee members at a variety of meetings.
U. S. Forest Service	Provides input on mitigation of Wildland-Urban Interface fires through interaction with Subcommittee members at quarterly meetings.
U. S. Geological Survey	Provides input on mitigation of flood and earthquake hazards through interactions with committee members at a variety of meetings.
University of Nevada Dept. of Geological Sciences	Provides geological and historical input on avalanche, tsunami, earthquake, and landslide hazards.
University of Nevada Seismological Laboratory	Provides technological, geological, and historical input on earthquake hazards through interactions with committee members at a variety of meetings.
Washoe Tribe of Nevada & California	Provides information regarding tribal nations to the Subcommittee for use in updating the NHMP

## 2.1.4 How the Subcommittee Achieved the Update of Each Section of the NHMP

The Subcommittee charged the planning team with specific tasks in reviewing and analyzing each section of the plan. The planning team revised each section accordingly and presented revisions to the Subcommittee for final review. The Subcommittee Chair presented the Subcommittee's updated sections to the NHMPC for final approval. As part of the update process, local jurisdictional hazard mitigation plans were incorporated into the NHMP as they were approved by FEMA and made available. As hazard and vulnerability assessments became available, these data were incorporated into the NHMP. Table 2-3 documents specific accomplishments of the planning team at each work session and Table 2-4 documents the progress made at NHMPC Planning Subcommittee quarterly meetings.



**Table 2-3. Documentation of NHM Planning Team Meetings**

<b>Date</b>	<b>Update Planning Team Participants</b>	<b>What was accomplished</b>
7 April 2011	Jim Walker, Elizabeth Ashby, D.D. LaPointe	Discussed inviting other stakeholders. Brainstormed business outreach in mitigation activity and better coordination with other NHMP committee members.. Outlined attack plan for 2013 NHMP update. Drafted agenda for 4/25 NHMPC subcommittee meeting.
12 April 2011	Elizabeth Ashby, D.D. LaPointe	Prepared working drafts of Standard and enhanced NHMP 2013 update. Reviewed Crosswalk recommendations for Standard and enhanced NHMPs and addressed these with comments in appropriate Plan sections for planned revisions based on those recommendations.
25 April 2011	Jim Walker, Elizabeth Ashby, D.D. LaPointe	Pre-Subcommittee meeting-reviewed agenda for Subcommittee meeting to follow
17 May 2011	Karen Johnson, Elizabeth Ashby, D.D. LaPointe	Worked on revisions to Section Zero; population data, economic data, climate section and included climate change where applicable.
14 June 2011	Karen Johnson, Elizabeth Ashby, D.D. LaPointe	Worked on revisions and comments to Section Zero. Added Hazardous Materials to Section 3 and edited it. Drafted invitation letter to join NHMP Planning Subcommittee and developed new invitee list. Karen worked on Tribal population sources. Talked to Bill Elliott about adding Mitigation Action Items to Continuity of Operations Plans. Submitted NRS Table - Section 1 for review by AG.
14 July 2011	Karen Johnson, D.D. LaPointe	Worked on revisions to agenda for July 25 quarterly meeting. Reviewed invitations to join Subcommittee
18 August 2011	Karen Johnson, Elizabeth Ashby, D.D. LaPointe	Worked on minutes to July 25 quarterly meeting. Minor revision and consolidation of some Tables
1 September 2011	Elizabeth Ashby, D.D. LaPointe	Worked on a new suggested methodology for prioritization of hazards to present to the Subcommittee and a table similar to Arizona's to use in this prioritization.
6 September 2011	Elizabeth Ashby, D.D. LaPointe	Revised and improved new hazard prioritization criteria table and devised a worksheet based on new criteria to present to the Subcommittee at next meeting to use in prioritization of hazards.
13 September 2011	Elizabeth Ashby, D.D. LaPointe	Edited Section Three language to conform to new suggested hazard prioritization criteria and worksheet.
20 October 2011	Elizabeth Ashby, D.D. LaPointe, Karen Johnson	Worked on NHMP planning objectives and action items; all-hazard.
27 October 2011	Elizabeth Ashby, D.D. LaPointe, Karen Johnson	Worked on NHMP planning objectives and action items; all-hazard.
31 October 2011	Elizabeth Ashby, D.D. LaPointe, Jim Walker	Pre-quarterly meeting review of agenda items
22 December 2011	Elizabeth Ashby, D.D. LaPointe	Developed new table entitled "Rankings of Hazards by Counties and Tribal Entities"
29 December 2011	Elizabeth Ashby, D.D. LaPointe	Populated new table entitled "Rankings of Hazards by Counties and Tribal Entities"
12 January 2012	Elizabeth Ashby, D.D. LaPointe, Jim Walker	Reviewed & modified table entitled "Rankings of Hazards by Counties and Tribal Entities" using input from subcommittee chair. We discussed coming changes in the Plan review process. Also discussed future changes of "Vulnerability Assessment."



**Table 2-3. Documentation of NHM Planning Team Meetings**

<b>Date</b>	<b>Update Planning Team Participants</b>	<b>What was accomplished</b>
19 January 2012	Elizabeth Ashby, D.D. LaPointe, Jim Walker	Discussed upcoming changes in how FEMA will do the plan review process – not by Crosswalk. Discussed separation of vulnerability assessment from Sec. 3 into its own section and other ways to cut down bulk in the plan. Discussed meeting agenda. 12:00
30 January 2012	Elizabeth Ashby, D.D. LaPointe	Updated past planning team meetings and worked on additional prioritization worksheet submissions and agenda for special meeting.
9 February 2012	Elizabeth Ashby, D.D. LaPointe	Updated Subcommittee membership list and agenda for upcoming special meeting and finalized hazard prioritization worksheet.
13 February 2012	Elizabeth Ashby, D.D. LaPointe, Jim Walker	Pre-quarterly meeting review of agenda items.
6 March 2012	Elizabeth Ashby, D.D. LaPointe	Laid out post-meeting work plan.
17 April 2010	Elizabeth Ashby, D.D. LaPointe	Worked on agenda for April 30 Subcommittee meeting, Worked on updates to Subcommittee membership list. Worked on edits to Section 3 of NHMP.
24 April 2012	Elizabeth Ashby, D.D. LaPointe	Final updates to Subcommittee membership list. Worked on edits to hazard prioritization and rankings in Section 3 of NHMP.
30 April 2012	Elizabeth Ashby, D.D. LaPointe, Jim Walker	Pre-quarterly meeting review of agenda items, assignment of parts of Section 3 to subcommittee members to review
3 May 2012	Elizabeth Ashby, D.D. LaPointe	Worked on minutes to April quarterly meeting
15 May 2012	Elizabeth Ashby, D.D. LaPointe	Worked on new Section 3a- Vulnerability Assessment analysis; sent e-mails asking for updates to locations of critical facilities, schools, fire stations, higher education and medical facilities. Reviewed returns on Section 3 hazard Profile updates.
22 May 2012	Elizabeth Ashby, D.D. LaPointe	Sent e-mails asking for more reviews on sec 3 to Mike Dondero and Mike Wilde. Added Sec. 3 review edits on Epidemic. Reviewed what will be needed to update new Vulnerability Assessment Section; and sent e-mails asking Tribes to update wildfire vulnerability assessment.
24 May 2012	Elizabeth Ashby, D.D. LaPointe	Discussed new HAZUS data input on hospitals and URM's. Reviewed and accepted edits and rewrote parts of Sec. 3 profiles of Epidemic, Landslide, Land Subsidence, Tsunami/Seiche, Volcano, and Expansive Soils.
29 May 2012	Elizabeth Ashby, D.D. LaPointe	Sent last portions of Section 3 to experts in fields to review: Infestation to JoAnne Skelly/Jeff Knight/NDEP. Epidemic & Infestation to Dr. Assam; Drought to Rob Martinez; Flood to Rhett Milne, NDOT input on weather sections. Began revisions to Sec. 6- Plan Maintenance.
14 June 2012	Elizabeth Ashby, D.D. LaPointe	Assembled reviews received from experts in various hazard fields and made edits to portions of Section 3: Avalanche, severe wind, tornado, volcano, expansive soil, tsunami, landslide, land subsidence.
27 July 2012	Elizabeth Ashby, D.D. LaPointe	Reviewed agenda for planned Subcommittee meeting on Monday; Assembled more reviews and data received from experts in hazard fields and completed edits on Avalanche & Tornado portions of Section 3. Finalized edits on Tsunami section profile.
30 July 2012	Elizabeth Ashby, D.D. LaPointe, Rick Diebold	Reviewed agenda for Subcommittee meeting later Monday and prepared handouts. Reviewed Goals and Objectives section of Vulnerability Assessment part of Section 4 and planned to give to appropriate Subcommittee members for review and editing.

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<b>Date</b>	<b>Update Planning Team Participants</b>	<b>What was accomplished</b>
2 August 2012	Elizabeth Ashby, D.D. LaPointe,	Transcribed minutes from July 30, 2012 quarterly meeting of NHMPC Planning Subcommittee.
10 August 2012	Elizabeth Ashby, D.D. LaPointe,	Revised sec. 3 hazard profile sections: Landslide, Expansive soil, land subsidence, volcano,
14 August 2012	Elizabeth Ashby, D.D. LaPointe,	Revised sec. 3 hazard profile sections: Hazmat; sent reviewer requests.
24 August 2012	D.D. LaPointe	Revised sec. 3 hazard profile section on Infestations: finalized section on severe winter storm; sent reviewer requests on Infestations.
28 August 2012	Elizabeth Ashby, D.D. LaPointe	Finalized sec. 3 hazard profile edits on Infestations: to send to reviewer Laura Richards.
4 September 2012	Elizabeth Ashby, D.D. LaPointe	Added more material on Infestation and severe winter storm profiles of Section 3.
6 September 2012	Elizabeth Ashby, D.D. LaPointe	Discussed quarterly meeting schedule; added edits on drought profile portion of section 3. Added NRS changes on Infestations and Drought.
11 September 2012	D.D. LaPointe, Elizabeth Ashby	Made final edits on drought profile portion of section 3. Added minor edits on earthquake and substantial edits on Severe Thunderstorm & Hail and Extreme Heat profile portions of section 3.
20 September 2012	D.D. LaPointe, Elizabeth Ashby	Made edits on earthquake profile portion of section 3.
25 September 2012	D.D. LaPointe	Made edits on thunderstorm & hail and windstorm history tables in profile portions of section 3.
27 September 2012	D.D. LaPointe, Elizabeth Ashby	Made edits on portions of section 3.
3 October 2012	D.D. LaPointe	Made edits on hazard profile portions of section 3.
9 October 2012	D.D. LaPointe, Elizabeth Ashby	Made edits on hazard profile portions of section 3.
11 October 2012	D.D. LaPointe, Elizabeth Ashby	Made edits on hazard profile portions of section 3.
16 October 2012	D.D. LaPointe, Elizabeth Ashby	Made edits on hazard profile portions of section 3.
23 October 2012	D.D. LaPointe	Worked on agenda for quarterly meeting; e-mailed Subcommittee members; finalized drafts of low-risk hazard profile sections of section 3.
25 October 2012	D.D. LaPointe, Gary Johnson	Worked on program for quarterly meeting; e-mailed reminder to Subcommittee members; made extra meeting handout copies for upcoming quarterly meeting.
29 October 2012	D.D. LaPointe, Jim Walker	Met before quarterly meeting to review agenda
6 November 2012	D.D. LaPointe, Elizabeth Ashby	Made final edits on low-risk hazard profile portions of section 3 from Peter Mulvihill.
8 November 2012	D.D. LaPointe, Elizabeth Ashby	Made edits on medium/significant and high-risk hazard profile portions of section 3.
8 November 2012	D.D. LaPointe, Elizabeth Ashby	Made edits on medium/significant and high-risk hazard profile portions of section 3. Downloaded edits.
14 November 2012	D.D. LaPointe, Elizabeth Ashby	Finalized edits on Drought and HazMat hazard profile portions of section 3.
15 November 2012	D.D. LaPointe	Made edits on Flood hazard profile portion of section 3.
21 November 2012	D.D. LaPointe, Elizabeth Ashby	Made edits on Flood hazard and other profile portions of section 3.
27 November 2012	D.D. LaPointe, Elizabeth Ashby	Made edits on Flood hazard and Wildfire profile portions of section 3.

**Table 2-3. Documentation of NHM Planning Team Meetings**

<b>Date</b>	<b>Update Planning Team Participants</b>	<b>What was accomplished</b>
29 November 2012	D.D. LaPointe, Elizabeth Ashby	Made edits on Wildfire profile portion of section 3.
4 December 2012	D.D. LaPointe, Elizabeth Ashby	Made edits and additions to on Wildfire profile portion of section 3, , contacts with Gary Johnson on content
5 December 2012	D.D. LaPointe, Elizabeth Ashby	Made edits on Wildfire profile portion of section 3, updated Table, contacted Gary Johnson on more content.
6 December 2012	D.D. LaPointe, Elizabeth Ashby	Made edits on Wildfire profile portion of section 3, began edits to WMD profile Section.
11 December 2012	D.D. LaPointe, Elizabeth Ashby	Made edits on Wildfire profile portion of section 3, Flood profile Section.
13 December 2012	D.D. LaPointe, Elizabeth Ashby	Made edits on Wildfire profile portion of section 3, Flood profile Section.
28 Dec 2012	D.D. LaPointe, Elizabeth Ashby	Made edits on Wildfire, Hazmat, Terrorism profile portions of section 3.
8 January 2013	D.D. LaPointe, Elizabeth Ashby	Made edits on Flood, Wildfire, Hazmat profile portions of section 3, Sec, 0, Agenda.
10 January 2013	D.D. LaPointe, Elizabeth Ashby	Made edits on Hazmat, Terrorism profile portions of section 3.
14 January 2013	D.D. LaPointe, Elizabeth Ashby, Karen Johnson	Made edits on Sec 0, Sec 1, portions of Enhanced NHMP.
15 January 2013	D.D. LaPointe	Made final edits on WMD/Terrorism profile portion of section 3.
17 January 2013	D.D. LaPointe, Elizabeth Ashby	Reviewed final edits on on WMD/Terrorism profile portion of section 3.also EQ, wildfire, Hazmat, and agenda for Jan 28 meeting.
22 January 2013	D.D. LaPointe, Elizabeth Ashby	Reviewed final drafts of sec 3 subsections to be given to Subcommittee members at Jan 28 meeting
24 January 2013	D.D. LaPointe, Elizabeth Ashby	Reviewed final drafts of sec 3 subsections to be given to Subcommittee members at Jan 28 meeting
28 January 2013	D.D. LaPointe, Elizabeth Ashby	Reviewed final handouts prior to meeting of Subcommittee in afternoon of Jan 28
28 January 2013	Full Subcommittee meeting	Received input on members' Awareness and Outreach activities and completed mitigation activities. Reviewed and approved Sections Zero and One with minor edits. Reviewed and approved Wildfire, Earthquake, Severe Winter Storm, and Drought Section Three profiles with minor edits and Flood with future amendment of irrigation canal data. Got feedback on profiles of sections for Hazmat, and Terrorism/WMD.
29 January 2013	D.D. LaPointe, Elizabeth Ashby	Wrote minutes for Jan. 28 Subcommittee meeting and Completed edits on Sections Zero and One.
31 January 2013	D.D. LaPointe, Elizabeth Ashby, Rob Palmer (NDEPA)	Added minor edits to several profiles as suggested by attendees at Jan. quarterly Subcommittee meeting. Worked with Rob on edits to HazMat profile.
5 February 2013	D.D. LaPointe, Karen Johnson	Edited Section 2 of NHMP 2013; some edits in general Hazard profiling and Hazmat portions of section 3 of NHMP.
7 February 2013	D.D. LaPointe, Elizabeth Ashby	Edited Sections
12 February 2013	D.D. LaPointe, Elizabeth Ashby, Karen Johnson	Met and discussed several different sections and plans for edits while driving to and from Winnemucca for full NHMP committee meeting.
18 February 2013	D.D. LaPointe, Elizabeth Ashby	Completely rewrote Terrorism/WMD subsection of section 3 using input from Ryan Miller and Subcommittee members
26 February 2013	D.D. LaPointe, Elizabeth Ashby	Met, discussed, and wrote up minutes of full NHMP committee meeting in

**Table 2-3. Documentation of NHM Planning Team Meetings**

Date	Update Planning Team Participants	What was accomplished
		Winnemucca on 2/12.
5 March 2013	D.D. LaPointe, Elizabeth Ashby	Revised new Terrorism/WMD subsection based on feedback from Ryan Miller and the NTAC group; edited NHMP sec. 8.
7 March 2013	D.D. LaPointe, Elizabeth Ashby	Made more edits to NHMP sec. 8, section 2, Appendix B
12 March 2013	D.D. LaPointe, Elizabeth Ashby	Made more edits to NHMP sec. 8, section 2, Appendix B
14 March 2013	D.D. LaPointe	Made minor edits to NHMP sec. 8; edited sec. 5; section 2
19 March 2013	D.D. LaPointe, Elizabeth Ashby, Karen Johnson	Edited Section 5
21 March 2013	D.D. LaPointe, Elizabeth Ashby	More edits on Section 5
2 April 2013	D.D. LaPointe, Elizabeth Ashby, Karen Johnson	Made more edits to NHMP sec. 8, section 5, and Section 4
9 April 2013	D.D. LaPointe, Elizabeth Ashby	Edited NHMP sec. 8, section 5, and overall organization of files.
23 April 2013	D.D. LaPointe, Elizabeth Ashby	Worked on final edits to NHMP sec. 8, section 5, HAZMAT, Terrorism and WMD parts of Sec 3, and Appendices in preparation for Subcommittee meeting on April 29.
25 April 2013	D.D. LaPointe, Elizabeth Ashby	Continued work on edits to NHMP sec 4, Goals and objectives in preparation for Subcommittee meeting on April 29.
29 April 2013	D.D. LaPointe, Elizabeth Ashby, James Walker	Reviewed all earlier work in preparation for Subcommittee meeting later in the day.
30 April 2013	D.D. LaPointe, Janell Woodward, Karen Johnson	Made edits to NHMP sec. 8 suggested by Subcommittee member Peter Mulvihill; briefly spoke with Janelle about future work.
9 May 2013	D.D. LaPointe, Elizabeth Ashby, Janell Woodward, Karen Johnson	Made edits to NHMP sec. 3 intro, sec 3 profiles, sec 4, sec. 8, sec. 5, cleaning up details, as suggested at full NHMP committee meeting May7 for approval of sections, and saved final sections.
14 May 2013	D.D. LaPointe, Janell Woodward	Made edits to NHMP sec. 4 as suggested by Elizabeth; helped Janelle with formatting of Secs 0, 1, 3.
16 May 2013	D.D. LaPointe, Elizabeth Ashby, Janell Woodward, Karen Johnson	Made edits to NHMP sec. 4
21 May 2013	D.D. LaPointe, Elizabeth Ashby	Made edits to NHMP sec. 4, Goals and Strategic actions, EQ; worked on NHMPC meeting minutes
23 May 2013	D.D. LaPointe, Elizabeth Ashby	Sent edits to NHMP sec. 4, Goals and Strategic actions, EQ, to NSL, NBMG for review; worked on NHMPC meeting minutes
28 May 2013	D.D. LaPointe, Elizabeth Ashby	Made edits to NHMP sec. 4, sec. 5.; and Appendix N
4 June 2013	D.D. LaPointe, Elizabeth Ashby	Made edits to NHMP sec. 4 and Appendix P
6 June 2013	D.D. LaPointe	Made edits to NHMP sec. 6
13 June 2013	D.D. LaPointe, Elizabeth Ashby	Made edits to NHMP sec. 6; memo on NBMG meeting.

**Table 2-3. Documentation of NHM Planning Team Meetings**

<b>Date</b>	<b>Update Planning Team Participants</b>	<b>What was accomplished</b>
14 June 2013	D.D. LaPointe, Elizabeth Ashby	Finished edits to NHMP sec. 4; 6. Made edits to Vulnerability assessment portion of Section 3 and Appendix J.
18 June 2013	D.D. LaPointe, Elizabeth Ashby	Worked on to Vulnerability assessment portion and irrigation ditch portion of Section 3.
20 June 2013	D.D. LaPointe, Elizabeth Ashby, Gary Johnson	Worked on scoping out formatting to HAZUS sections of Vulnerability assessment portion of Section 3.
21 June 2013	D.D. LaPointe, Elizabeth Ashby	Made edits to irrigation ditch portion of Section 3. Vulnerability Assessment portion of Section 3 and several Appendices.
25 June 2013	D.D. LaPointe, Elizabeth Ashby	Made edits to Section 6, Section 4, and Vulnerability Assessment portion of Section 3.
27 June 2013	D.D. LaPointe, Elizabeth Ashby	Made edits to Section 6, Section 4, and Vulnerability Assessment portion of Section 3.
2 July 2013	D.D. LaPointe, Elizabeth Ashby	Made edits to Vulnerability Assessment portion of Section 3, Appendices,
3 July 2013	D.D. LaPointe, Elizabeth Ashby	Wrote agenda for July 29 <sup>th</sup> Planning Subcommittee meeting; made edits to Vulnerability Assessment portion of Section 3,
5 July 2013	D.D. LaPointe, Elizabeth Ashby	Made edits to Section 3 and Appendices.
8 July 2013	D.D. LaPointe, Elizabeth Ashby, Janell Woodward, Karen Johnson	Made edits to Vulnerability Assessment portion of Section 3.
9 July 2013	D.D. LaPointe, Elizabeth Ashby, Janell Woodward, Karen Johnson	Made edits to Vulnerability Assessment portion of Section 3, Appendix J.
11 July 2013	D.D. LaPointe, Elizabeth Ashby, Janell Woodward, Karen Johnson	Made edits to Vulnerability Assessment portion of Section 3, Appendix M.
12 July 2013	D.D. LaPointe, Elizabeth Ashby	Made edits to Combined sec 3 profiles and appendices
19 July 2013	D.D. LaPointe, Elizabeth Ashby, Janell Woodward	Made edits to Vulnerability Assessment portion of Section 3, Combined sec 3 profiles and Appendices
22 July 2013	D.D. LaPointe, Janell Woodward	Made edits to Vulnerability Assessment portion of Section 3, Combined sec 3 profiles and Appendices
23 July 2013	D.D. LaPointe, Janell Woodward	Made edits to Vulnerability Assessment portion of Section 3, Combined sec 3 profiles and Appendices
25 July 2013	D.D. LaPointe, Janell Woodward	Made edits to Vulnerability Assessment portion of Section 3, Combined sec 3 profiles and Appendices
26 July 2013	D.D. LaPointe, Janell Woodward	Made edits to Vulnerability Assessment portion of Section 3, Combined sec 3 profiles and Appendices
29 July 2013	D.D. LaPointe, Elizabeth Ashby, Janell Woodward	Made edits to Section 2, Section 3, and Appendices
30 July 2013	D.D. LaPointe, Elizabeth Ashby, Janell Woodward	Made edits to Section 2, and Appendices B, F, J, O, P, R
August 2013	D.D. LaPointe, Elizabeth Ashby, Janell Woodward	Week 1: Final edits to Sec. 3, 2; Worked on STAPLEE ranking of action items for Sec. 4, Appendices M, P, Q.

**Table 2-3. Documentation of NHM Planning Team Meetings**

Date	Update Planning Team Participants	What was accomplished
		<p>Week 2: Final edits to Sec. 3; Worked on STAPLEE ranking of action items for Sec. 4.</p> <p>Week 3: finalized the ranking of activities, prepared handouts for special meeting on the 29<sup>th</sup>.</p> <p>Week 4: Coordinated special for STAPLEE finalization; integrated Subcommittee's directives into final Section 4.</p>
September 2013	D.D. LaPointe, Elizabeth Ashby, Janell Woodward	<p>Week 1: Prepare meeting minutes of Aug 29, finalize Sections 2, 3 and 4 with several revisions to appendices as needed.</p> <p>Week 2: Submit plan to FEMA for courtesy review.</p>

**Table 2-4. NHMPC Subcommittee Meetings**

Meeting Date	What was accomplished
Jan 2011	NV Dept. of Information Technology reported on state's communication tower network and hazards affecting it. Rhett Milne reported on inclusion of climate change language into pertinent sections of the plan. Members were asked to provide hazard plan maintenance worksheet project information quarterly. FEMA Crosswalk Enhanced Plan review comments were read and there was discussion as to how we should address them.
April 2011	Revised HazMat section was introduced; MyPlan website presentation was made to the Subcommittee members by Gary Johnson and Jordan Hastings of NBMG. There was discussion of what new members are needed on the Planning Subcommittee and whom to invite. We reviewed the Plan for major changes needed in this iteration.
July 2011	New members were introduced and packets given to them with a CD of the current Nevada Hazard Mitigation Plan, a list of currently recognized hazards, a spreadsheet of the mitigation process, and an outline of the funding of the Plan. The Completed Mitigation Activity/Project Report Form was discussed.
Oct 2011	Completed Mitigation Activity/Project Reports were collected, State hazard prioritization was initiated, members reported on any pertinent hazard mitigation news.
January 2012	Completed Mitigation Activity/Project Reports were collected, plan update process was introduced and discussed, simplified hazard ranking table was introduced and data discussed.
Special Meeting February 2012	State hazard prioritization continued; decision made to simplify ranking form 5 categories to just 3: "High", "Moderate/Significant", and "Low" to more closely parallel those used in most county/local plans. Planning Team showed composite table of all county/local/tribal plan hazards identified.
April 2012	All hazards were ranked for the state. Goals and Strategic actions were evaluated for continuing validity and some were edited and combined.
July 2012	Requested all edits to Hazard Profiles be in by Oct 3. Reviewed current Mitigation Goals and Strategic Actions for continued validity in the 2013 plan iteration. Reviewed new State URM building inventory.
October 2012	No quorum achieved
28 January 2013	Received input on members' Awareness and Outreach activities and completed mitigation activities. Reviewed and approved Sections Zero and One with minor revisions. Reviewed and approved Wildfire, Earthquake, Severe Winter Storm, and



	Drought Section Three profiles with minor edits and Flood profile (pending future amendment with irrigation canal data). Got feedback on Hazmat, and Terrorism/WMD profiles of Section 3.
29 April 2013	Reviewed and approved Sections 5 and 8 of the 2013 Enhanced NHMP with minor revisions. Reviewed and approved Hazard profile portions of Section 3 on Hazardous Materials; Terrorism & WMD with minor revisions. Goals and Strategic Actions from Section 4 were distributed to Subcommittee members for their review and input by May 10.
29 July 2013	Reviewed and approved Sections 4 and 6 of the 2013 Enhanced NHMP with edits. Reviewed and approved the flood profile portion of Section 3 with edits. Reviewed Appendices and Vulnerability Analysis portion of Section 3 and tabled approval until Special Meeting August 26, 2013. Distributed and discussed the STAPLEE ranking of strategic actions to be included in Section 4.
29 August 2013	Special meeting to review, discuss, rank and approve the STAPLEE ranking of strategic actions to be included in Section 4.

## 2.1.5 Which Sections of NHMP Were Revised in the Update Process

Table 2-5 below indicates which sections of the NHMP were revised as part of the 2013 update process and or added to the Plan and when each was approved by NHMPC. Details about specific revisions made to each section or subsection are included in that section and are also described in Table 2-3 above in the Planning Team meeting accomplishments.

Table 2-5. NHMP Revised Sections		
Description	Updates Made Y/N?	Date Approved by NHMPC
Introduction	Y	
Section Zero - Overview	Y	28 Jan 2013
Section One – Adoption	Y	28 Jan 2013
Section Two – Planning	Y	with proposed additions of final meeting information Aug 13, 2013
Section Three – Risk Assessment	Y	Aug 13, 2013
Section Four – Mitigation Strategy	Y	Aug 13, 2013, with proposed edits.
Section Five – Local Coordination	Y	29 April 2013
Section Six – Plan Maintenance	Y	Aug 13, 2013
Section Seven - References	Y	Aug 13, 2013
Section Eight – Enhanced Plan	Y	29 April 2013
Appendix A - Adoption Resolution Document	Y	Aug 13, 2013
Appendix B - Participating Organizations	Y	Aug 13, 2013
Appendix C – NHMP Committee, Subcommittee & Bylaws	Y	Aug 13, 2013
Appendix D - Meeting agendas and minutes	Y	Aug 13, 2013
Appendix E - NV Admin Code Application for Emergency Assistance	N	Aug 13, 2013
Appendix F - HAZUS Earthquake Maps	Y	Aug 13, 2013
Appendix G – List of Dams by County	Y	Aug 13, 2013

Table 2-5. NHMP Revised Sections

Description	Updates Made Y/N?	Date Approved by NHMPC
Appendix H –HAZUS Flood Maps for NV Rivers	Y	Aug 13, 2013
Appendix I - Federal and State Assurances	N	Aug 13, 2013
Appendix J – Wildfire Maps: Counties & State-Owned Buildings	Y	Aug 13, 2013
Appendix K – Extreme weather data	N	Aug 13, 2013
Appendix L – Noxious Weed Map link	Y	Aug 13, 2013
Appendix M – Estimated Losses from Earthquakes near Nevada Communities	Y	Aug 13, 2013
Appendix N – Revisions and status of mitigation strategy	Y	Deleted, Aug 13, 2013
Appendix N – (New) STAPLE-E Prioritization of Strategic Actions	Y	Aug 13, 2013
Appendix O– WSSPC Policies	Y	Aug 13, 2013
Appendix P – Completed Mitigation Activities	Y	Aug 13, 2013
Appendix Q –Miscellaneous Supporting Documents	Y	Aug 13, 2013
Appendix R – Nevada Ditches List & Reno Area Map	Y	Aug 13, 2013

## 2.2 COORDINATION AMONG AGENCIES

The requirements for coordination among agencies, as stipulated by the DMA 2000 and its implementing regulations, are described below.

### DMA 2000 REQUIREMENTS: PLANNING PROCESS

#### Coordination Among Agencies

Requirement §201.4(b): The State mitigation planning process **should** include coordination with other State agencies, appropriate Federal agencies, interested groups, and . . .

#### Element

- Does the **new or updated** plan describe how Federal and State agencies were involved in the **current** planning process?
- Does the **new or updated** plan describe how interested groups (e.g. businesses, non-profit organizations, and other interested parties) were involved in the **current** planning process?
- **Does the updated plan discuss how coordination among Federal and State agencies changed since approval of the previous plan?**

*Source: FEMA, Standard State Hazard Mitigation Plan Review Crosswalk 2008*

### 2.2.1 Involvement of Federal and State Agencies in the Planning Process

State agency personnel who also serve on the Subcommittee are listed in Table 2.1 in Section 2.1.2. Federal and state agencies that contributed to the update process are listed in Table 2-2 in Section 2.1.3. The composition of the Subcommittee adjusts to address compliance with requirements of the plan update process.

In addition to being represented on the Planning Subcommittee, Nevada's Tribal nations also work directly with FEMA in their planning process due to increased funding opportunities. The state continues to provide the tribes with technical assistance in their planning as requested.

The Wildland Urban Interface (WUI) is composed of multiple state and federal agencies that include U.S. Bureau of Land management, Nevada Cooperative Extension, U.S. Forest Service, Nevada Division of Forestry, Nevada Division of Emergency Management, local fire departments, and interested private citizens. The WUI meets regularly to plan an annual summit on Wildland Urban Interface fire mitigation issues for businesses and homeowners. Mitigation goals and strategies identified at these summits are then incorporated into both the local and state planning update process.

The Nevada Earthquake Safety Council is composed of representatives from Nevada Division of Emergency Management; University of Nevada, Reno; University of Nevada, Las Vegas; Nevada Public Agency Insurance Pool; Clark County Department of Development Services; Clark County School District; American Red Cross; Nevada Energy; urban governments; and private engineering, insurance, consulting, and casino companies. They meet quarterly and meetings may be attended by any interested parties including FEMA representatives, local building officials, local fire departments and emergency management coordinators, U. S. Department of Energy, and tribal representatives. The Council facilitates public input, develops consensus about seismic issues within the public and private sectors, and is the public advisory body for State seismic safety policy. The Subcommittee uses these policies in the planning process.

The Nevada Hazard Mitigation Planning Committee (NHMPC) includes members with expertise in floodplain management including representatives from the Clark County Flood Control District, Washoe County Water Resources, State Floodplain Manager, and Nevada Division of Water Resources. They provide flood mitigation and dam safety goals and strategies and review proposed updates to the plan. It also includes members of the Nevada Division of Forestry with expertise in wildfire mitigation. They provide wildfire mitigation goals and strategies and review proposed updates to the plan. The NHMPC also includes members from agencies such as NBMG with expertise in earthquake hazard mitigation who provide mitigation goals and strategies for earthquake hazards and review proposed updates to the plan.

### **2.2.2 Participation of Interested Groups in the Planning Process**

Participation of private businesses, private non-profit groups (PNPs), and other interested parties is documented by their representation in NESC, NHMPC, and WUI Summit Committee as described in the previous section.

Voluntary Organizations Active in Disasters (VOAD) and Community Organizations Active in Disasters (COAD) are national and local faith-based groups that coordinate with state and federal emergency management agencies in assisting communities in recovering from disasters. The NDEM staff coordinates with these groups and incorporates their concerns into the planning process.

Citizens and interested groups are able to review the plan on the NDEM website ([www.dem.state.nv.us](http://www.dem.state.nv.us)) and provide input directly to the SHMO for use in the planning process. Notice is also provided to these groups through Facebook and Twitter.

Additionally, all Subcommittee and Committee meetings are posted according to the Nevada Open Meeting Law and teleconferencing information is noted on the agenda.

Increasing public involvement in the planning process was discussed at length in several meetings of the Subcommittee when it addressed FEMA's recommended revisions. The subcommittee reached a consensus that public involvement efforts must be a component of the local planning process and counties must bring those local concerns to the state. At the state level, the intent is mainly to keep the public aware of the planning process and to keep it open, accessible, and transparent to anyone who wishes to view it, which we do by posting it all on our website. The development of the MyPlan website has greatly increased the ability of the committee to make planning resources easily available to the locals and also provides them with a medium for communication of needs as well. Since the last iteration, the Planning Subcommittee and the NHMPC made the decision to move the NHMPC meetings to venues located around the state in local communities in an effort to elicit more participation from the public and local officials. These efforts have produced much additional public participation and interaction among stakeholders at both the local and state levels. The rural meeting venues provide valuable opportunities for networking and exchange of information on mitigation resources and concerns regarding local hazards. These NHMPC meetings in the local communities will continue, while funding is available, in order to provide support for local plan maintenance and development of additional tribal plans.

In order to encourage more direct public participation in the future plan update process in future iterations, a PowerPoint presentation on the purpose of the NHMPC and its mitigation program was developed by one NHMPC member and is available for educational and awareness use in public presentations and speaking engagements across the state.

About a year into this mitigation cycle, the Planning Team developed a form to monitor mitigation outreach and awareness activities by NHM Committee and Subcommittee members, which were then collected and assembled into a table presented at the end of Appendix B (B7. Hazard Mitigation Public Awareness and Outreach Activities to Other Groups).

These are examples of some of the venues where hazard mitigation information is shared with the public. This is by no means a comprehensive listing of all such activity by NHM Committee and Subcommittee members.

### **2.2.3 Changes in Federal and State Coordination**

Cooperation among agencies in order to comply with Federal requirements for hazard mitigation planning has had the added effect of enhancing mutual awareness of the goals and functions of a wide variety of agencies, both federal and state. Working together on the planning and update process has helped members become more cognizant of common goals and opportunities for coordination of efforts in the mitigation planning process at the

state level. One example of this is the increased coordination among the Division of Water Resources, Division of Environmental Protection, and Division of Emergency Management to leverage resources in addressing environmental concerns related to mitigation activities, such as Nevada Clean Water and U.S. Clean Air Act programs. Another example of improved coordination of federal and state agency efforts is the increased cooperation among the entities participating in the WUI Summit meetings and the development of a web-based tool that allows locals to update their Community Wildfire Protection Plans (CWPPs). See program description online at this link:

<http://www.livingwithfire.info/cwpp>

This has resulted in both reduced fire risk to homes and businesses and increased awareness of funding opportunities to communities for implementing strategies. Yet another example is in the increased inclusion of NESC issues and strategies in earthquake hazard mitigation plan update process. Increased communication between FEMA and state agencies such as NBMG and Seismology at UNR has resulted in development and implementation of new tools (HAZUS, MyPlan) for earthquake risk assessment and loss estimation. Increased federal and state agency coordination in the planning process has greatly enhanced awareness, cooperation, and the leveraging of resources in the implementation of mitigation strategies.

#### **2.2.4 Silver Jackets Program**

Federal agencies, including the U.S. Army Corps of Engineers (USACE) and the Federal Emergency Management Agency (FEMA), are partnering to form a unified forum to address Nevada's flood risk management priorities. Developed at the state level, Nevada Division of Emergency Management and the Nevada Division of Water Resources have formed an active Silver Jackets program that provides a formal and consistent strategy for an interagency approach to planning and implementing measures to reduce the risks associated with flooding and other natural hazards. Involvement from other federal, state, regional, local, and tribal groups within this program will improve and increase flood risk communication with a unified interagency message and help collaboration on flood mitigation, response, and recovery.

## 2.3 PROGRAM INTEGRATION

### DMA 2000 REQUIREMENTS: PLANNING PROCESS

#### Program Integration

Requirement §201.4(b): The State mitigation planning process **should** be integrated to the extent possible with other ongoing State planning efforts as well as other FEMA mitigation programs and initiatives.

#### Element

- Does the **new or updated** plan describe how the State mitigation planning process is integrated with other ongoing State planning efforts?
- Does the **new or updated** plan describe how the State mitigation planning process is integrated with FEMA mitigation programs and initiatives?

*Source: FEMA, Standard State Hazard Mitigation Plan Review Crosswalk 2008*

### 2.3.1 Integration of Existing Plans

The primary way in which Nevada integrates the State mitigation planning process with other ongoing State planning efforts is by having members of the NHMPC and planning subcommittee who also serve as primary managers of specific programs directly involved in hazard mitigation. Their expertise across a broad spectrum of hazards provides a framework for networking and integration of the NHMP with other ongoing state planning efforts. Specific examples of this mechanism for integration of plans are presented in Table 2-6 below, organized by hazard.

**Table 2-6. Integration of the NHMP with other State Planning Efforts**

Hazard	Name of plan/website reference	Codes and Regulations	Plan description Mechanism for Integration
All hazards	City Planning	NRS 623 - Architecture, Interior Design and Residential Design	Development Has members in common with NHMPC/Subcommittee
All hazards	Community Master Plans	NRS 278.160 – Planning and Zoning	Conservation and Development This plan's goals and the NHMP's goals are both to reduce losses. Has members in common with NHMPC/Subcommittee
All Hazards	County Hazard Mitigation Plans		Risk analysis and mitigation plans of local hazards This plan's goals and the NHMP's goals are both to reduce losses. Risk assessment data and action items are incorporated into Sections 3 and 4 of this plan. Has members in common with NHMPC/Subcommittee



**Table 2-6. Integration of the NHMP with other State Planning Efforts**

<b>Hazard</b>	<b>Name of plan/website reference</b>	<b>Codes and Regulations</b>	<b>Plan description Mechanism for Integration</b>
All Hazards	Local Hazard Mitigation Plans  Reference: <a href="http://dem.state.nv.us">http://dem.state.nv.us</a>		Provide planning and project grants for hazard mitigation  These plan goals and the NHMP's goals are both to reduce losses. Have members in common with NHMPC/Subcommittee
All Hazards	Nevada Natural Resource Plan  Reference: <a href="http://dcnr.nv.gov/nrp/home.htm">http://dcnr.nv.gov/nrp/home.htm</a>	NRS 548 – Conservation	Conservation of Nevada's natural resources  This plan's goals and the NHMP's goals are both to reduce losses Has members in common with NHMPC/Subcommittee
All Hazards	Open Space Plan	NRS 376A – Taxes for development of open space land	Development and use for open space land for 20 years  This plan's goals and the NHMP's goals are both to reduce losses.
All Hazards	State Comprehensive Emergency Management Plan	NRS 414	This is the over-arching plan for the emergency management program in Nevada. This plan's goals and the NHMP's goals are both to reduce losses. Has members in common with NHMPC/Subcommittee.
Dam Failure	Nevada Dam Safety  Reference: <a href="http://water.nv.gov/Engineering/Dams/">http://water.nv.gov/Engineering/Dams/</a>	NRS 535- Dams and other Obstructions	Promote safe construction and operation of dams and prevent loss of life and property.  This plan's goals and the NHMP's goals are both to reduce losses. Has members in common with NHMPC/Subcommittee
Drought	Drought Plan -2003  Reference: <a href="http://water.nv.gov/WaterPlanning/pub-list.cfm">http://water.nv.gov/WaterPlanning/pub-list.cfm</a>	NRS 540 – Planning and Development of Water Resources	Recording and reporting mechanism for drought management. This plan's goals and the NHMP's goals are both to reduce losses.  County emergency managers participate in both this plan and NHMPC/Subcommittee.
Drought	Nevada State Water Plan  Reference: <a href="http://water.nv.gov/WaterPlanning/pub-list.cfm">http://water.nv.gov/WaterPlanning/pub-list.cfm</a>	NRS 540 – Planning and Development of Water Resources	Framework for water planning and management  This plan's goals and the NHMP's goals are both to reduce losses. Has members in common with NHMPC/Subcommittee
Drought	Southern Nevada Water Authority Drought Plan		Sustain and promote water goals in Southern Nevada.  This plan's goals and the NHMP's goals are both to reduce losses. Has members in common with NHMPC/Subcommittee.

**Table 2-6. Integration of the NHMP with other State Planning Efforts**

Hazard	Name of plan/website reference	Codes and Regulations	Plan description Mechanism for Integration
Earthquake	Strategic Plan for Earthquake Safety in Nevada  Reference: <a href="http://www.nbmj.unr.edu/nesc/strat.pdf">http://www.nbmj.unr.edu/nesc/strat.pdf</a>		Goals are to reduce losses due to earthquakes in Nevada.  This plan's goals and the NHMP's goals are both to reduce losses. Has members in common with NHMPC/Subcommittee.
Earthquake	Nevada Earthquake Risk Mitigation Plan  <a href="http://www.nbmj.unr.edu/nesc/NERMP.pdf">www.nbmj.unr.edu/nesc/NERMP.pdf</a>		Goal is to reduce losses due to earthquakes in Nevada.  This plan's goals and the NHMP's goals are both to reduce losses. Has members in common with NHMPC/Subcommittee.
Earthquake	Nevada Earthquake Safety Council  <a href="http://www.nbmj.unr.edu/nesc">www.nbmj.unr.edu/nesc</a>	NRS 414	Goal is to reduce losses due to earthquakes in Nevada.  This plan's goals and the NHMP's goals are both to reduce losses. Has members in common with NHMPC/Subcommittee.
Flood	Nevada Floodplain Management Program		Monitor and implement the Community Assistance Program, the Flood Mitigation Assistance Program, and the Statewide Flood Management and Mitigation Plan  This plan's goals and the NHMP's goals are both to reduce losses. Has members in common with NHMPC/Subcommittee
Flood	Statewide Floodplain Management/Mitigation Planning Reference:  <a href="http://water.nv.gov/Flood/page5.htm">http://water.nv.gov/Flood/page5.htm</a>	Floodplain Management Ordinance for Nevada Communities	Minimize public and private losses due to flooding  This plan's goals and the NHMP's goals are both to reduce losses. Has members in common with NHMPC/Subcommittee.
Flood	Truckee River Flood Management		"The Living River Plan"  This plan's goals and the NHMP's goals are both to reduce losses. Has members in common with NHMPC/Subcommittee.
Wildfire	Community Wildfire Protection Plans (CWPP)		Rating and risk analysis of fire danger in "Communities at Risk" by county  This plan's goals and the NHMP's goals are both to reduce losses. Some goals and objectives were carried into this plan. Has members in common with NHMPC/Subcommittee

**Table 2-6. Integration of the NHMP with other State Planning Efforts**

Hazard	Name of plan/website reference	Codes and Regulations	Plan description Mechanism for Integration
Wildfire	Western Governors Assn. 10 year Comprehensive Strategy and Implementation Plan:  National Fire Plan, USFS  Reference: <a href="http://www.forestsandrangelands.gov/">http://www.forestsandrangelands.gov/</a>		Agency mitigation and response to wildland fires  This plan's goals and the NHMP's goals are both to reduce losses. Has members in common with NHMPC/Subcommittee

## 2.3.2 Implementation of State Mandates at the Local Level

In Nevada, any State mandate approved by the State legislature must also be approved by the county and city governing body before it can be implemented at the local jurisdiction. Counties are required by NRS 278.160 to integrate hazard mitigation actions with planning and development at the local level.

## 2.3.3 Integration of the NHMP with FEMA Programs and Initiatives

State and local mitigation efforts are enhanced and promoted by FEMA programs nationwide and in Nevada specifically. In order to apply for FEMA mitigation funding, communities must first develop their own mitigation plans that are consistent with both FEMA programs and initiatives and NHMP guidelines. All counties in Nevada either have approved plans or are in the plan development process, some in cooperation with other counties.

Some of the major state-administered FEMA-funded hazard mitigation programs for which communities and tribal entities can qualify by adherence to the NHMP are described in Table 2-7 below:

**Table 2-7. Integration of NHMP and Local Mitigation Plans with FEMA Mitigation Programs and Initiatives**

<b>Hazard</b>	<b>Program</b>	<b>Mechanism for Integration</b>
<b>All hazards</b>	<b>Hazard Mitigation Grant Program</b> To provide funds to governments and communities to significantly reduce or permanently eliminate future risk to lives and property from natural hazards. HMGP funds projects identified in the community's hazard mitigation plan and enables the implementation of mitigation measures during the recovery from a disaster.	Parallel goals, objectives and action items among FEMA programs, NHMP, and local plans
<b>All hazards</b>	<b>HAZUS MH</b> HAZUS-MH is a nationally applicable standardized methodology and software program that uses models to estimate potential losses from earthquakes, floods, and hurricane winds. Estimating losses is essential to decision making at all levels of government, providing a basis for developing mitigation plans and policies, emergency preparedness, and response and recovery planning.	In Nevada, UNR uses HAZUS to generate the potential loss data on which mitigation plans at all levels are based
<b>All hazards</b>	<b>Pre-Disaster Mitigation</b> Pre-Disaster Mitigation (PDM) is a Federal program administered by FEMA, which funds a) local and state mitigation planning to meet the requirements of DMA 2000 and b) mitigation projects.	Parallel goals, objectives and action items among FEMA programs, NHMP, and local plans
<b>Dam failure</b>	<b>National Dam Safety Program (NDSP)</b> This program is a partnership of state and federal agencies with other stakeholders to encourage individual and community responsibility for dam safety. The program includes; grant assistance to states, dam safety research and dam safety training.	Parallel goals, objectives and action items among FEMA programs, NHMP, and local plans
<b>Earthquake</b>	<b>National Earthquake Hazard Reduction Program (NEHRP) has four basic goals:</b> <ul style="list-style-type: none"> <li>• Promote understanding of earthquakes and their effects</li> <li>• Work to better identify earthquake risk</li> <li>• Improve earthquake-resistant design and construction techniques</li> <li>• Encourage the use of earthquake-safe policies and planning practices</li> </ul>	Parallel goals, objectives and action items among FEMA programs, NHMP, and local plans
<b>Flood</b>	<b>National Flood Insurance Program (NFIP)</b> NFIP enables property owners in participating communities to purchase flood insurance as protection against flood losses, while requiring state and local governments to enforce floodplain management ordinances that reduce future flood damages.	Parallel goals, objectives and action items among FEMA programs, NHMP, and local plans
<b>Flood</b>	<b>Community Rating System (CRS)</b> This is a voluntary program recognizing and encouraging community floodplain management activities that exceed the NFIP's minimum standards.	Parallel goals, objectives and action items among FEMA programs, NHMP, and local plans
<b>Flood</b>	<b>Cooperating Technical Partners (CTP)</b> This program creates partnerships between FEMA and participating NFIP cooperators having an interest and capability to become more active participants in the FEMA Flood Hazard Mapping Program.	Parallel goals, objectives and action items among FEMA programs, NHMP, and local plans
<b>Flood</b>	<b>Flood Map Modernization</b> This federal program provides up-to-date maps to support a flood insurance program that is more closely aligned with actual risk, encourage wise floodplain management, and increase the public's flood hazard awareness. In Nevada, Clark County's flood maps have been up-dated. Washoe County's maps are in the process of being digitized.	Parallel goals, objectives and action items among FEMA programs, NHMP, and local plans

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<b>Hazard</b>	<b>Program</b>	<b>Mechanism for Integration</b>
<b>Flood</b>	<b>Flood Mitigation Assistance</b> To implement cost-effective measures that reduce or eliminate the long-term risk of flood damage to structures insured under the NFIP.	Parallel goals, objectives and action items among FEMA programs, NHMP, and local plans
<b>Flood</b>	<b>Repetitive Flood Claim</b> To reduce or eliminate the long-term risk of flood damage to structures insured under the NFIP that have one or more claim payment(s) for flood damages.	Parallel goals, objectives and action items among FEMA programs, NHMP, and local plans
<b>Flood</b>	<b>Severe Repetitive Loss Program</b> To reduce or eliminate the long-term risk of flood damage to severe repetitive loss properties and the associated drain on the National Flood Insurance Program (NFIP).	Parallel goals, objectives and action items among FEMA and federal programs, NHMP, and local plans