

# Part III

## Planning Process

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## Process

The Pre-Disaster Mitigation Plan process was presented to the MAG Executive Council (with elected officials for every jurisdiction) in early 2002. The Executive Council unanimously approved the process, which designated MAG staff (Andrew K. Jackson, Andrew Wooley, and Jill Stark) to prepare a multi-jurisdictional plan for adoption by each community. In 2008 the Executive Council was informed that MAG staff (Robert Allen, Andrew Wooley, Kori Iman) would update the plan.

In 2014, the Executive Council was again informed that MAG staff (Robert Allen, Aaron Cloward, and Shauna Mecham) would be updating and renewing the current plan. Meetings were scheduled in each county and municipalities were encouraged to send representatives to learn the mitigation process and renew their strategies. To encourage community participation information packets containing hazard data and maps were customized for each community to aid in identifying and mitigating their more prominent hazards. An example packet is located in the appendix. MAG staff reviewed the previous plan, made additions, corrections, and updates, included hazard history, updated maps and projections, and reviewed and updated mitigation strategies.

Table 3.1 Representatives from each community who participated in the hazard mitigation meetings

<b>Jurisdiction</b>	<b>Representative</b>
Alpine	Shane Sorensen
American Fork	Trent Andrus
Cedar Fort	Howard Anderson
Cedar Hills	David Bunker
Charleston	Bob Kowallis
Coalville	Zane Deweese
Daniel	Eric Bunker
Eagle Mountain	Ikani Taumoepeau
Elk Ridge	McKay Lloyd

Fairfield	Brad Swift
Francis	Scott Kettle
Genola	Chris Steele
Goshen	Josh Cummings
Heber	Tony Kohler
Henefer	Robert Richins
Hideout	Carolyn Kuchinsky
Highland	Nathan Crane
Independence	Jodi Hoffman
Interlaken	Lawrence Headley
Kamas	Scott Kettle
Lehi	Scott Sampson
Lindon	Brandon Snyder
Mapleton	Brian Tucker
Midway	Michael Henke
Oakley	Tami Stevenson
Orem	Heath Stevenson
Park City	Hugh Daniels
Payson	Jill Spencer
Pleasant Grove	Ken Young
Provo	Robert Mills
Salem	Jeff Nielsen
Santaquin	Dennis Marker
Saratoga Springs	Spencer Kyle

Spanish Fork	Jered Johnson
Springville	Jeff Anderson
Summit County	Chris Crowley
Utah County	Peter Quittner
Vineyard	Don Overson
Wallsburg	Celeni Richins
Wasatch County	Valerie Cummings
Woodland Hills	Corbett Stephens

**Notice given to smaller communities and organizations**—Some smaller communities did not have staff available to attend the ad-hoc meetings. These communities were given opportunities to participate by reviewing the draft plan on the web and making comments either in writing, e-mail or over the phone and in individual meetings with the planning staff. Other small community’s contract with either the Sheriff’s Office or other larger communities for Emergency Services. Since these communities would not be responding to events themselves, they were represented by the agency that actually knows the hazard needs of the community the best. These communities are listed above as being represented by another agency or jurisdiction.

**Web Site**—Information on the plan and the planning process was also available on MAG’s web site including an interactive hazard mapping application. Interested parties could e-mail comments on the draft plan from the web site.



**A concerned citizen identifies the location of her home as she reviews Dam Failure Map at Open House.**

**Open Houses**—Open Houses were held on the following dates in conjunction with a Transportation Open House. Over 1000 people attended the Open Houses.

April 29<sup>th</sup>, July 28<sup>th</sup>, August 4<sup>th</sup>, October 29<sup>th</sup> 2015 |

**Identifying Hazards**—Mountainland Association of Governments identified several hazards addressed in the Hazard Mitigation Plan. The hazards were identified through a process that included public input, researching past disasters, Geographic

Information System (GIS) data, and FEMA’s HAZUS-MH software.

The original hazard mitigation plan identified several potential hazards for the region. The list was reviewed, by staff and community representatives, for completeness. Mountainland AOG has a sophisticated GIS that was used to overlay current and future development with hazard data. This data was used to identify which hazards had the greatest risk within the MAG area. These hazards were then presented in greater detail in the following county portions of this plan.

## **Updating the 2009 Plan**

The primary task for MAG staff was to update Mountainland's existing Pre-Disaster Hazard Mitigation Plan. The updates are scattered throughout this plan and target in several key areas.

**Background Information** - The Mountainland Region has grown and changed since the last plan and regional information has been updated to reflect it.

**Hazard Data** – All mapping and profiling data for each hazard and was updated using the latest and best available sources.

**Population and Housing Stock** – Great effort was expended in compiling the most recent demographic and assessors data. A new aspect of the plan was to include future populations, buildings and growth into the plan. This is further discussed in the next chapter.

**Mitigation Strategies** – An increased emphasis was put on each community to increase their mitigation strategies included in the plan. Specifically, each jurisdiction has incorporated multiple strategies per hazard as required.

**Other plans and reports** – The plan contains and/or references other mitigation plans, neighboring organizations' reports and state data to provide the most robust picture and technical information available.

While many portions of the plan may seem to look similar to the 2009 plan, each portion has been reviewed and updated to reflect the most current information possible.

Existing Plans, Studies, Reports and Technical Information Reviewed	How Incorporated
Utah State Hazard Mitigation Plan	Comparing MAG counties to the state as a whole and to describe the impact of some hazards not prevalent in MAG counties.
Drought in Utah: Learning from the Past – Preparing for the Future (April 2007) Utah State Water Plan from DNR <a href="http://www.water.utah.gov/">http://www.water.utah.gov/</a>	Drought description and history; probability data based on tree ring histories.
Water for Utah (2016) Utah Department of Natural Resources, Division of Water Resources. <a href="http://www.water.utah.gov">www.water.utah.gov</a>	Used to identify water projects that affect Mountainland communities, positively and negatively.
Community Improvement Projects (see city websites)	Identify desired projects relating to mitigation in various communities
Governor’s Office of Planning and Budget (2012 estimates)	Demographic information for Utah counties and cities.
Landslide Maps of Utah (2010) Elliott A. and Harty K. Utah Department of Natural Resources.	Identify location and extent of historic landslides and classify landslide types (comes with GIS files)
DAMVIEW Dam Safety Database Information Viewer (2016). Utah Division of Water Rights. <a href="http://www.waterrights.utah.gov">www.waterrights.utah.gov</a>	Identify and map low, moderate, and high risk dams. Information includes ownership, Emergency Action Plan, and first downstream town.
The Wasatch Fault (1996) Utah Geological Survey Public Information Series 40	Basic understanding of Wasatch Fault, including diagrams specific to the Wasatch Fault which were replicated in this Plan with permission.
Utah Lake Basin Water; Planning for the Future (2014) Utah Division of Water Resources.	Water conservation plans by jurisdiction
West Wide Wildfire Risk Assessment (2008) Council of Western State Foresters	Used in Fire Risk Assessment
National Oceanic and Atmospheric Administration (NOAA) Storm Events Database	Locating storm events, date, location, and magnitude.
The landslide handbook—A guide to understanding landslides (2008) Highland, L.M., and Bobrowsky, Peter, Reston, Virginia, U.S. Geological Survey Circular 1325, 129 p.	Wonderfully explained basics of landslides and how to mitigate. Great graphics.
Economic Snapshot (2016) Department of Workforce Services <a href="http://jobs.utah.gov/wi/regions/county/index.html">http://jobs.utah.gov/wi/regions/county/index.html</a>	Economic data tables for each county
FEMA NFIP Inundation Maps	Used to visualize and analyze 100 yr and 500 yr flood risk. Preliminary maps were used for Utah County. Those maps should be official by 2018, requiring some cities to adopt new flood maps and ordinances.