

CHAPTER 1.

TOWN OF MALDEN ANNEX UPDATE

1.1 INTRODUCTION

This Annex details the hazard mitigation planning elements specific to the Town of Malden, a participating jurisdiction to the Whitman County Hazard Mitigation Plan Update. This Annex is not intended to be a standalone document, but rather appends to and supplements the information contained in the base plan document. As such, all sections of the base plan, including the planning process and other procedural requirements apply to and were met by the Town of Malden. For planning purposes, this Annex provides additional information specific to the jurisdiction, with a focus on providing greater details on the risk assessment and mitigation strategy for this community only. This HMP annex is an update to the Town of Malden's first hazard mitigation plan annex, which was completed in 2005.

1.2 PLANNING PROCESS, MEETINGS, AND POINTS OF CONTACT

The Town of Malden followed the planning process detailed in Section 2 of the Base Plan. Due to staffing issues, the Town could not complete its annex in time for the first submission of the Whitman County Multi-Jurisdiction Hazard Mitigation Plan. As such, additional planning meetings were held to continue to move the process forward.

In addition to providing information on the County's Planning Team, the Town of Malden also formulated their own internal planning team to support the broader planning process. Individuals assisting in this Annex development are identified below, along with a brief description of how they participated.

It should be noted that during this HMP process, as a result of the September 7, 2020 Babb Road Fire which catastrophically destroyed the Town of Malden, additional planning team members were added to assist in completing the Annex as indicated in the table below.

Meetings and public outreach efforts included:

- Various planning team meetings utilized to identify and capture relevant planning information, including hazard and impact data, capabilities assessment, and identify potential strategies and obtain the status of the previous plan's strategies contained in the 2005 Whitman County HMP;
- Community meetings utilized to capture and illustrate risk and hazards of concern; provide an overview of the planning process, and provide an opportunity for community members to review the draft plan, which was posted on the County's website and was made available via hard copy at all community planning and recovery meetings for 14 days commencing on October 8, 2020;
- Town Council Meetings, including Special Town Council Meetings utilized to present information on the HMP process, hazards of concern and associated risk, announce availability of the draft annex for review, and adoption of the Town of Malden's Annex to the Whitman County Multi-Jurisdictional Hazard Mitigation Plan;
- Recovery Meetings utilized to illustrate the hazards of concern on completion of the risk assessment, discuss potential granting opportunities, identify community strategies, and announce availability of draft plan for review.

Planning Team Members		
Name	Position/Title	Planning Tasks
Scott Hokonson	Primary Point of Contact	Served as primary POC for effort; meeting attendance, develop information for plan, assist in coordination for date capture, present plan to city council for adoption.
Dan Harwood	Councilmember and former Fire Chief	Assisted in identifying hazards of concern for Town; provided historic impact information; conducted outreach during various council and other community meetings; identified strategies, and provided historic information on previous strategies identified in the Town of Malden's 2005 plan.
Bill Tensfeld	Whitman County Emergency Manager	Conducted public outreach throughout the process; provided information on planning process; made presentations to Town Council re: HMP update process; Conducted public outreach at local fire chiefs' meetings concerning risk and availability of HMP for review; provided general information on Town; served as project manager for overall project development.
Robin Cocking	Whitman County Deputy Emergency Manager	Served on overall planning team for Countywide effort; assisted in capturing relevant risk associated with the various hazards of concern; conducted public outreach throughout the event; assisted the Town of Malden in coordinating planning team efforts.
Gerry Bozarth	Recovery Coordinator	After wildfire, served on recovery team for town; assisted with public outreach on plan

Planning Team Members		
Name	Position/Title	Planning Tasks
		development and risk analysis; presented to council. Provided assistance in the capturing of data, meeting facilitation, coordination with other departments, presentation of recovery aspect as a result of the September 7, 2020 fire.
Pete Hartman	WA EMD Planner	Attended LEPC meetings during project development; after wildfire, served on the planning team representative for the recovery aspect; assisted in data capturing for hazards of concern. Provided loss data and information.
Bev O'Dea	Whitman County Consultant	Led the County's overall planning effort for the HMP; worked with all planning partners to develop necessary information; worked with Town of Malden to complete Jurisdictional Annex for submission to FEMA.

1.3 ADOPTION

The Town Council elected to adopt the plan prior to its submittal to State and FEMA for review and concurrent with its public review phase of the draft plan due to the unique circumstances resulting from the destruction of all city structures, and the availability of council members to conduct meetings as the recovery process moves forward, and takes priority for the Town. The Resolution Adopting the Whitman County Multi-Jurisdictional Plan and the Town of Malden's Annex is attached at the end of the document. The Resolution allows for modifications to be made to the annex as deemed necessary by State/FEMA review without the necessity of additional adoption proceedings.

1.4 COMMUNITY PROFILE

Malden is located in the north-central Whitman County, 30 miles south of Spokane and 7.3 mile west of Rosalia. The town encompasses approximately 0.7 square miles at an elevation of 2140 feet above sea level. Malden enjoys a temperate climate with an average low temperature of 35.6 (°F) and an average high temperature of 55.3 (°F). The average annual rain fall for Malden is 18.6".

The once vital railroad town, Malden is a rural residential community conveniently located halfway between Spokane and Colfax. A small municipality, prior to the September 7, 2020 Babb Road Fire, Malden maintained a post office, church, community center and park, a pump house, a water tower, city

hall, and fire station. There were also 127 privately-owned residential structures. As a result of the September 2020 fires, all that remains is the Town's pump house (which did sustain damage from the fire, but is operational), and approximately 20 residential structures of the 127 previously existing residences. As of this update, the Town is attempting to associate dollar values to those structures lost, but all records were destroyed in the fire. The Town has identified the lack of actual values associated with the structures as a mitigation strategy for the next update of this annex.

Named after Malden, MA, Malden was officially incorporated on December 20, 1909. Malden has a mayor-council form of government, with five elected council members and an elected mayor. The City Council will assume the responsibility for the adoption and implementation of this plan. Malden is a small, general purpose government and provides water services, solid waste services via contract, and roads and streets services via a department of Public Works. The cross-state multi-recreational John Wayne Pioneer Trail parallels the town.

Based on the data tracked by the Washington State Office of Financial Management (OFM), the overall population decreased at a rate of 0.21% per year between 2010 and 2017 from 203 to 200, with a total loss between 2010-2017 of 1.48%. Between 2010 and 2018, Whitman County's overall population increased by 11.2%. As of this update, population count in Malden was 210, with a very large percentage of retirees, and young individuals below the age of 18. Median age is 50.8. The area is rich in second-generation families remaining or returning to the Town.

Land Use Development Trends

Prior to the 2020 fire, the anticipated development trends for Malden were considered low to moderate, consisting of primarily residential development. The Town was also in the planning phase of developing a new Community Center. However, as a result of the fire, future growth will be dependent on the number of residents who return to the Town, as well as availability of housing and funding for re-development. The town is in the early planning stages of recovery, with meetings held to determine permitting requirements as well as other land use regulatory issues yet to be determined.

Whitman County is not mandated under the State Growth Management Act to fully plan according to requirements of the law. The County and its cities have adopted critical areas and resources lands regulations pursuant to the Growth Management Act. The City of Malden does have mechanisms available to managed future development via regulations identified in a zoning ordinance and long term policies identified in its municipal code.

The jurisdiction boundaries are identified in the maps contained at the end of the document.

1.5 HAZARD EVENT HISTORY

Within the Base Plan, the Planning Team identified all hazard events which have occurred within the County. In the context of the planning region, it was determined that there are hazards which are unique to the jurisdiction. Table 1-1 lists all past occurrences of natural hazards within the jurisdiction. If available, dollar loss data is also included. Those highlighted in blue are ones which most significantly impacted the Town of Malden. Additional hazard impact and hazards of concern are identified and discussed in Section 1.8 below.

**TABLE 1-1.
PRESIDENTIAL DISASTER DECLARATIONS
FOR HAZARD EVENTS AFFECTING WHITMAN COUNTY**

Disaster Declaration Number	Type of Event	Incident Date
DR-146	Flooding	March 1963
DR-185	Heavy Rains/ Flood	December 1964
DR-322	Severe Storms/Flooding	February 1972
DR-414	Severe Storms/Snowmelt/Flooding	January 1974
Emerg-3037	Drought	March 1977
DR-545	Severe Storms/Flooding	December 1977
DR-623	Volcano/Mount St. Helens Eruption	May 1980
DR-822	Heavy Rains/Sheet Flooding	March 1989
DR-922	“Firestorm 91”/Wind	October 1991
DR-1100	Flooding (loss were \$1.6m for the entire County)	January 1996
DR-1159	Ice, Wind, Snow, Landslide, Flood	Dec 1996 – Feb 1997
DR-1825	Severe Winter Storm, near record snowfall	December 2008
DR-4249	Severe Storm, Straight-line winds, Flooding, Landslides	November 2015
DR-#pending	Babb Road Fire	September 7, 2020

1.6 CAPABILITY ASSESSMENT

Coordination with other community planning efforts is paramount to the successful implementation of this plan. This section provides information on how planning mechanisms, policies, and programs are integrated into other on-going efforts. It also identifies the jurisdiction’s capabilities with respect to preparing and planning for, responding to, recovering from, and mitigating the impacts of hazard events and incidents.

Capabilities include the programs, policies and plans currently in use to reduce hazard impacts or that could be used to implement hazard mitigation activities. The capabilities are divided into the following sections: National Flood Insurance Information; regulatory capabilities which influence mitigation; administrative and technical mitigation capabilities, including education and outreach, partnerships, and other on-going mitigation efforts; fiscal capabilities which support mitigation, and classifications under various community programs.

1.7 NATIONAL FLOOD INSURANCE PROGRAM INFORMATION

Information on the community’s National Flood Insurance Program (NFIP) compliance is presented in Table 1-2. This identifies the current status of the jurisdiction’s involvement with the NFIP. The Town CID is 530250, with the initial flood hazard boundary map established July 18, 1975, and the most current FIRM letter dated May 1, 2010. Review of existing flood maps indicates six (6) acres of land within the 100-year floodplain. No properties are identified within the 500-year floodplain.

Repetitive flood loss records are as follows:

- Number of FEMA-Identified Repetitive Loss Properties: #0
- Number of FEMA-Identified Severe Repetitive Loss Properties: #0

- Number of Repetitive Flood Loss/Severe Repetitive Loss Properties That Have Been Mitigated: #0

TABLE 1-2 NATIONAL FLOOD INSURANCE COMPLIANCE	
What department is responsible for floodplain management in your community?	City Hall
Who is your community's floodplain administrator? (department/position)	Mayor
Do you have any certified floodplain managers on staff in your community?	No
What is the date of adoption of your flood damage prevention ordinance?	1992, 1995
When was the most recent Community Assistance Visit or Community Assistance Contact?	Unknown
To the best of your knowledge, does your community have any outstanding NFIP compliance violations that need to be addressed? If so, please state what they are.	Unknown
Do your flood hazard maps adequately address the flood risk within your community? (If no, please state why)	Yes
Does your floodplain management staff need any assistance or training to support its floodplain management program? If so, what type of assistance/training is needed?	No
Does your community participate in the Community Rating System (CRS)? If so, is your community seeking to improve its CRS Classification? If not, is your community interested in joining the CRS program?	No

1.7.1 Regulatory Capability

The assessment of the jurisdiction's legal and regulatory capabilities is presented in Table 1-3. This includes planning and land management tools, typically used by local jurisdictions to implement hazard mitigation activities and indicates those that are currently in place.

TABLE 1-3 LEGAL AND REGULATORY CAPABILITY				
	Local Authority	Other Jurisdictional Authority	State Mandated	Comments
Codes, Ordinances & Requirements				
Building Code Version Year	Y	N		Building Code, Chapter 15.04
Zoning Ordinance	Y	N		Chapter 17
Subdivision Ordinance	Y	N		Short Plats and Subdivisions Chapter 16.04
Floodplain Ordinance	Y	Y		Critical Areas Protection Chapter 17.12; Flood Damage Prevention Chapter 15.20

**TABLE 1-3
LEGAL AND REGULATORY CAPABILITY**

	Local Authority	Other Jurisdictional Authority	State Mandated	Comments
Stormwater Management	N	N		
Real Estate Disclosure	Y	N		Statewide
Growth Management	N	N		
Site Plan Review	Y	N		Chapter 15 – Building Codes
Public Health and Safety	Y	N		Through County
Natural Hazard Specific Ordinance (stormwater, steep slope, wildfire, etc.)	N	N		Critical Areas and Resource Lands
Environmental Protection	Y	N		Various regulatory policies
Capital Improvement Plan	Y	N	Y	6-year plan
Community Wildfire Protection Plan	N	N	N	
Comprehensive Emergency Management Plan	N			
Continuity of Operations Plan	N	N	N	
Public Health Plans	Y	N	N	Through Whitman County
Planning Commission	Y	N	N	
Mitigation Planning Committee	Y	N	N	The Town participated in the update of the last two editions of the Whitman County HMP, and will continue to be a member of the planning team as identified in the plan maintenance strategy.
Maintenance programs to reduce risk (e.g., tree trimming, clearing drainage systems, chipping, etc.)	Y	Y	N	Whitman County Public Works inter-local agreement
Mutual Aid Agreements / Memorandums of Understanding	Y	Y	N	Memorandum with Whitman County
Other				

1.7.2 Administrative and Technical Capabilities

The assessment of the jurisdiction's administrative and technical capabilities, including educational and outreach efforts, and on-going programmatic efforts are presented in Table 1-4 . These are elements which support not only mitigation, but all phases of emergency management already in place that are used to implement mitigation activities and communicate hazard-related information.

**TABLE 1-4
ADMINISTRATIVE AND TECHNICAL CAPABILITY**

Staff/Personnel Resources	Available (Yes/No)	Department/Agency/Position
Planners or engineers with knowledge of land development and land management practices	N	
Professionals trained in building or infrastructure construction practices (building officials, fire inspectors, etc.)	Y	Contract Building Inspector
Engineers specializing in construction practices?	Y	Thomas, Dean & Hoskins Engineering
Planners or engineers with an understanding of natural hazards	Y	Through Whitman County or hire consultants
Staff with training in benefit/cost analysis	N	
Surveyors	Y	Contracted services
Personnel skilled or trained in GIS applications	N	
Personnel skilled or trained in Hazus use	N	
Scientist familiar with natural hazards in local area	N	
Emergency Manager	Y	Mayor or designee
Grant writers	Y	Council Member Dan Harwood
Warning Systems/Services (Reverse 9-1-1, outdoor warning signs or signals, flood or fire warning program, etc.?)	Y	Through Whitman County
Hazard data and information available to public	Y	Prior to 9/7/2020 Fire - City Hall
Maintain Elevation Certificates	N	
Education and Outreach		
Local citizen groups or non-profit organizations focused on emergency preparedness?	N	
Local citizen groups or non-profit organizations focused on environmental protection?	N	
Organization focused on individuals with access and functional needs populations	N	
Ongoing public education or information program (e.g., responsible water use, fire safety, household preparedness, environmental education)	Y	Provided through Whitman County Emergency Management
Natural disaster or safety related school programs?	N	
Multi-seasonal public awareness program?	Y	Provided through the County
Other		
On-Going Mitigation Efforts		
Hazardous Vegetation Abatement Program	N	
Noxious Weed Eradication Program or other vegetation management	Y	

**TABLE 1-4
ADMINISTRATIVE AND TECHNICAL CAPABILITY**

Staff/Personnel Resources	Available (Yes/No)	Department/Agency/Position
Chipper program	N	
Defensible space inspections program	N	
Creek, stream, culvert or storm drain maintenance or cleaning program	N	
Stream restoration program	N	
Erosion or sediment control program	N	
Address signage for property addresses	N	
Other		

1.7.3 Fiscal Capability

The assessment of the jurisdiction's fiscal capabilities is presented in Table 1-5. These are the financial tools or resources that could potentially be used to help fund mitigation activities.

**TABLE 1-5
FISCAL CAPABILITY**

Financial Resources	Accessible or Eligible to Use?
Community Development Block Grants	Accessible
Capital Improvements Project Funding	Accessible
Authority to Levy Taxes for Specific Purposes	Accessible
User Fees for Water, Sewer, Gas or Electric Service	Accessible
Incur Debt through General Obligation Bonds	Accessible
Incur Debt through Special Tax Bonds	Not eligible
Incur Debt through Private Activity Bonds	Not eligible
Withhold Public Expenditures in Hazard-Prone Areas	Not eligible
State Sponsored Grant Programs	Accessible
Other	

1.7.4 Community Classifications

The jurisdiction's classifications under various hazard mitigation programs are presented in Table 1-6. Each of the classifications identified establish requirements which, when met, are known to increase the resilience of a community.

TABLE 1-6. COMMUNITY CLASSIFICATIONS		
	Participating (Yes/No)	Date Enrolled
Community Rating System	N	
Building Code Effectiveness Grading Schedule	Y	2001
- Commercial	6	
- Dwelling	6	
Protection Class	7	
Storm Ready	N	
Firewise	N	

1.8 HAZARD RISK AND VULNERABILITY RANKING

The jurisdiction's Planning Team reviewed the hazard list identified within the Base Plan, and have identified the hazards that affect the Town of Malden.

Table 1-7 presents the ranking of the hazards of concern based on their CPRI score. A qualitative vulnerability ranking was then assigned based on a summary of potential impact determined by: past occurrences, spatial extent, damage, casualties, and continuity of government. The assessment is categorized into the following classifications:

- Extremely Low – No or very limited impact. The occurrence and potential cost of damage to life and property is very minimal-to-nonexistent. No impact to government functions with no disruption to essential services.
- Low (Negligible) – Minimal potential impact. The occurrence and potential cost of damage to life and property is minimal. Government functions are at 90% with limited disruption to essential services.
- Medium (Limited) – Moderate potential impact. This ranking carries a moderate threat level to the general population and /or built environment. The potential damage is more isolated, and less costly than a more widespread disaster. Government functions are at 80% with limited impact to essential services.
- High (Critical) – Widespread potential impact. This ranking carries a high threat to the general population and/or built environment. The potential for damage is widespread. Hazards in this category may have occurred in the past. Government functions are at ~50% operations with limited delivery of essential services.
- Extremely High (Catastrophic) – Very widespread with catastrophic impact. Government functions are significantly impacted for in excess of one month.

**TABLE 1-7.
HAZARD RISK AND VULNERABILITY RANKING**

Hazard Rank	Hazard Type	CPRI Score	Vulnerability Rank	Hazard Impact Description
1	Wildfire	4.0	Extremely High	The September 7, 2020 Babb Road Fire started in Spokane County before spreading across the county line, destroying the majority of all of the Town of Malden's municipal structures and over 100 of the Town's 127 residential structures. The fire consumed thousands of acres of Palouse wheat fields, forcing ~200 residents in the town to evacuate. The fire was fueled by 40-50 mph winds, and within 20 minutes of it entering the city limits, it was consuming homes. (See Figure 1-1). The fire resulted in a state fire mobilization, and is currently pending FEMA disaster declaration. Prior to the September 7, 2020 catastrophic wildfire, the Town of Malden has experienced wildfires on previous occasions, which have risen to the level of a state-wide fire mobilization. One such event occurred on August 2, 2017, when a fire ignited one mile above Malden, burning a significant amount of crop lands. No structures were lost as a result of that fire, but significant economic impact resulted from the loss of the crops, the exact dollar value of which is unknown.

**TABLE 1-7.
HAZARD RISK AND VULNERABILITY RANKING**

Hazard Rank	Hazard Type	CPRI Score	Vulnerability Rank	Hazard Impact Description
2	Severe Weather	3.75	High	The town experiences some form of severe weather annually. In some instances, snow falls with such depth that roadways become impassable for multiple days. The Town experiences this level of impact annually. Windstorms with winds from 25-40 mph occur on average every two to three years. Such instances cause trees to fall across roadways, blocking access into and out of town, impacting first responder's ability to answer calls for service. Power outages have lasted several days (4 or more), although on average last two to three days. Wind/snow combination events cause drifting, significantly impacting visibility, and causing roadways to become impassable. Rain coupled with Chinook winds have caused flooding through developing ice dams, which build across roadways as a result of the dams forming on Pine Creek. Such events occur approximately every three years. Wind/snow/ice storms also cause power outages due to ice forming on power lines, which break, causing public safety concerns with respect to individuals or vehicles touching or traveling over downed lines, as well as power outages. The town also experience Haboobs on a fairly regular basis as a result of the flat plains. Similar to wind events, the Haboobs cause downed trees and power lines, but also cause a greater health concern than normal wind events due to the dust carried by the winds, which exacerbate health issues for individuals who already have breathing difficulties, and often times leads to individuals getting pneumonia as a result of inhaling the dust.
3	Flood	3.15	High	While not a large area of the town is located within FEMA's 100 year floodplain, Hazus results show a greater area of impact, although primarily along the Pine Creek area, which also contains softer soils than the rest of the town. (See maps below.) When flood events do occur, they customarily block roadways, or in some instances, such as with Chinook winds, cause ice jams across Pine Creek, and the surrounding roadways. While damage to structures is rare, the events cause isolation, with roadways becoming impassable in some areas, restricting first responder access.

**TABLE 1-7.
HAZARD RISK AND VULNERABILITY RANKING**

Hazard Rank	Hazard Type	CPRI Score	Vulnerability Rank	Hazard Impact Description
4	Earthquake	2.05	Medium	The Town of Malden is primarily situated on hard rock, and has minimal areas impacted by liquefaction with the exception of the creek areas, which have much softer soils. One of the greatest concerns the planning team identified would be an earthquake occurring on the west side of the state, and individuals fleeing the western portion of the state, traveling into the county, depleting resources, both due to the influx of people, but also due to impact to the commodity flow, and the shipment of supplies to assist the western portion of the state. A Cascadia type event would impact the majority of all of western Washington counties, with populations evacuating to the eastern side of the state.
5	Landslide	1.85	Low	Due to the relatively flat plain, landslides have historically not impacted the town; however, landslides in other areas of the county could impact ingress and egress due to the limited major roadways. Such events could also impact commodity flow into the County. As a lower-populated municipality, the county and its municipalities have limited supplies and commodities on hand to last for a significant amount of time.
6	Drought	1.75	Low	The town is primarily an agricultural community, growing dry crops. As a result, a drought would be less impacting than in other areas of the state. The town is fairly well equipped to provide several days of water to its residents from its current water supplies, but those supplies would not support watering agricultural crops. Buildings would not be impacted by a drought directly, but a drought could cause an increase in wildfires, which could impact facilities, structures, and infrastructure.
7	Volcano	1.5	Low	During the Mt. Saint Helens eruptions, the town received approximately three (3) inches of ash. Impact did occur to crops due to the acidic nature of ash. The dollar loss associated with the crop impact is unknown. Some equipment, and health safety issues were impacted to some extent, particularly those with breathing difficulties. No deaths resulted in the town as a result of the ash. Due to the infrequency of such event occurring, the planning determined the risk to be low.



Figure 1-1 Fire Destruction in Malden

Photo Courtesy of the Whitman County Sheriff's Office

1.9 MITIGATION GOALS AND OBJECTIVES

The Town of Malden adopts the hazard mitigation goals and objectives developed by the Planning Team described in Volume 1.

1.10 HAZARD MITIGATION ACTION PLAN

The Planning Team for the jurisdiction identified and prioritized a wide range of actions based on the risk assessment, and their knowledge of the jurisdiction's assets and hazards of concern. Table 1-8 lists the action items/strategies that make up the jurisdiction's hazard mitigation plan. Background information and information on how each action item will be administered, responsible agency/office (including outside the district), potential funding sources, the timeframe, who will benefit from the activity, and the type of initiative associated with each item are also identified.

**TABLE 1-8.
HAZARD MITIGATION ACTION PLAN MATRIX**

Applies to new or existing assets	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost (High/Medium/Low) or \$ Figure if Known	Sources of Funding (List Grant type, General Fund, etc.)	Timeline (Long-Term, Short-Term)	Included in Previous Plan? Yes/No	Initiative Type: Public Information, Preventive Activities, Structural Projects, Property Protection, Emergency Services, Recovery, Natural Resource Protection	Who or What Benefits? Facility, Local, County, Region
INITIATIVE #1 Increase water supply capacity and reliability for fire protection, either through additional wells or storage towers.									
Existing	Fire, Drought	2,4,7,9	Town Council	High	General Fund, grant funding, BRIC, HMGP	Short-term	Y - Modified	Preventive and Recovery	Local
INITIATIVE #2 Conduct feasibility study to identify mitigation alternatives for city owned critical facilities and infrastructure to reduce impact from all hazards.									
Existing	All	2,4,7,9	Town Council	Medium	General Fund, grant funding, BRIC, HMGP	Short-term	N	Preventive and Recovery	Local
INITIATIVE #3 Work with local utility and communications providers to initiate/promote underground utilities and lines when opportunities arise via repair or replacement of utilities.									
New and Existing	Severe Weather Wildfire	3,6,7	Town Council	Low	General Fund	Short-term	Y	Property protection, emergency services, recovery, preventive	Local and County, Regional
INITIATIVE #4 Initiate outreach program to educate homeowners on fire resistant practices and building materials.									
Existing	Fire	2,3,5,7	Town Council	Medium	General Fund	Short-term	N	Public Information, Preventive Activities, Recovery	Local
INITIATIVE #5 Support countywide initiatives that promote the education of the public on the impacts of natural hazards within Whitman County and the preparedness for, and the mitigation of, those impacts. This support will be in the form of dissemination of appropriate information to the residents of Malden and continuing support/participation in the Whitman County Natural Hazards Mitigation planning partnership.									
Existing	All Hazards	2, 6, 7	Town Council	Low	General Fund	Short-term	Y – Previously #3	Public Information, Preventive Activities, Property Protection	Local, County
INITIATIVE #6 Consider voluntary participation in programs such as Firewise and Storm Ready programs that will provide benefits/incentives to the citizens of Malden for hazard mitigation.									

**TABLE 1-8.
HAZARD MITIGATION ACTION PLAN MATRIX**

Applies to new or existing assets	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost (High/Medium/Low) or \$ Figure if Known	Sources of Funding (List Grant type, General Fund, etc.)	Timeline (Long-Term, Short-Term)	Included in Previous Plan? Yes/No	Initiative Type: Public Information, Preventive Activities, Structural Projects, Property Protection, Emergency Services, Recovery, Natural Resource Protection	Who or What Benefits? Facility, Local, County, Region
Existing	Severe Weather Wildfire	2,6,7,8	Town Council	Low	General Fund	Short-term	Y – Previously #4 - Modified	Public Information, Preventative Activities, Property Protection	Local
INITIATIVE #7 Utilize information provided in the Whitman County Hazard Mitigation Plan and the Town of Malden’s HMP Annex to consider regulatory provisions that will reduce the vulnerability and promote wise land use with regards to hazards that impact the Town of Malden, including building codes, NFIP regulations, set-backs, etc., as deemed appropriate by Town Council.									
Existing	All Hazards	1, 3, 9, 10	Town Council	Low	General Fund	Long-term	Y – Previously #6 - Modified	Preventative Activities, Property Protection	Local
INITIATIVE #8 Continue to coordinate and work with Whitman County Emergency Management in disaster response and preparedness. This level of coordination should include: updates to the Emergency response plan, development of post disaster action plan, training and support.									
Existing	All Hazards	2,4,6	Town Council	Low	General Fund	Long-term	Y – Previously #7	Emergency Services, recovery	Local
INITIATIVE #9 Establish a mechanism to capture damage and loss information as a result of disasters to allow the town and its citizens gain access to FEMA funding and reimbursements as quickly as possible.									
Existing	All	All	Town Council	Low	General Fund	Short-term	N	Preventative Activities, Property Protection, Recovery	Local, County

1.11 PRIORITIZATION OF MITIGATION INITIATIVES

Once the mitigation initiatives items were identified, the Planning Team followed the same process outlined within Volume 1 to prioritize their initiatives. An analysis of six different initiative types for each identified action item was conducted. Table 1-9 identifies the prioritization for each initiative.

**TABLE 1-9.
MITIGATION STRATEGY PRIORITY SCHEDULE**

Initiative #	# of Objectives Met	Benefits	Costs	Do Benefits Equal or Exceed Costs?	Is Project Grant-Eligible?	Can Project Be Funded Under Existing Programs/ Budgets?	Priority ^a
1	4	High	High	Y	Y	N	High
2	4	High	High	Y	Y	N	High
3	3	Med	High	Y	Y	N	Med
4	4	High	Low	Y	Y	Y	High
5	3	High	Low	Y	N	Y	High
6	4	High	Medium	Y	Y	N	Med
7	4	High	Low	Y	N	Y	High
8	3	High	Low	Y	N	Y	High
9	10	High	Medium	Y	Y	Y	High

a. See Chapter 1 for explanation of priorities.

1.12 STATUS OF PREVIOUS PLAN INITIATIVES

Table 1-10 summarizes the initiatives that were recommended in the 2005 version of the hazard mitigation plan and their implementation status at the time this update was prepared.

**TABLE 1-10.
STATUS OF 2005 HAZARD MITIGATION ACTION PLAN**

		Current Status			
		Completed	Continual /Ongoing Nature	Removed -/No Longer Relevant / No Action	Carried Over
Mitigation Strategy	Project Status				
#1 Additional water well to improve capacity and reliability for fire protection.	The City has increased its capacity for water since completion of the 2005 plan. However, it is felt that additional water supplies are still warranted, and as such this strategy was carried forward.		x		x
#2 Perform floodplain study to evaluate potential flood hazards and mitigation recommendations.	Due to lack of funds and staffing project goals have not been met. Project is still viable; however, it is not a priority for this update cycle and is therefore removed.			x	

**TABLE 1-10.
STATUS OF 2005 HAZARD MITIGATION ACTION PLAN**

		Current Status			
		Completed	Continual /Ongoing Nature	Removed -/No Longer Relevant / No Action	Carried Over
Mitigation Strategy	Project Status				
#3 Support County Wide Initiatives that promote the education of the public on the impacts of natural hazards within Whitman County, and the preparedness for and the mitigation of those impacts. This support will be in the form dissemination of appropriate information to the residents of Malden and continuing support/participation in the Whitman County Natural Hazards Mitigation Planning Partnership.	The Town continues to be a planning partner with Whitman County Hazard Mitigation Committee, and works the county to disseminate hazard information and potential strategies to reduce risk.		x		x
#4 Consider voluntary participation in programs such as the “Firewise” and Storm Ready programs that will provide benefits/incentives to the Citizens of Malden for hazard mitigation.	The Town continues to be interested in this initiative, but lacks funding and staff to pursue this effort. However, it will carry it forward.		x		x
#5 Adopt the revised WA. State Building Code that includes the International Building Code.			x		x
#6 Utilize information provided in the Whitman County Hazard Identification and Vulnerability Assessment to consider regulatory provisions that will reduce the vulnerability and promote wise land use with regards to hazards that impact the Town of Malden.			x		x
#7 Continue to coordinate and work with Whitman County Emergency Management in disaster response and preparedness. This level of coordination should include updates to the Emergency response plan, development of post disaster action plan, training and support.	The Town continues to have a mutual aid agreement with Whitman County for disaster response and preparedness through Emergency Management.		x		x

1.13 ADDITIONAL COMMENTS

The financial resources available to the City of Malden are extremely limited, the town considered an impoverished community. Implementation of many of the recommendations of this plan will be contingent upon the following factors:

- Grant funding for eligible projects,
- Cost sharing within the partnership,
- Partnering with other Stakeholders within the planning area,
- Leveraging all technical resources to maximize all funding options.

The City of Malden is committed to pursuing/supporting all of these factors to assure successful implementation of the initiatives identified by this plan.

1.14 HAZARD AREA EXTENT AND LOCATION

Various hazard area extent and location maps are included below for the hazards of concern. These maps are based on the best available data at the time of the preparation of this plan, and are considered to be adequate for planning purposes.

















