

10. EAGLE FIRE PROTECTION DISTRICT

10.1 MULTI-HAZARD MITIGATION PLAN POINT OF CONTACT

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10.2 JURISDICTION PROFILE

10.2.1 Overview

Eagle Fire Protection District (EFD) provides fire suppression, EMS, hazardous materials mitigation, and rescue services. The District is a mix of urban, rural, interface and wildland areas. The department employs 44 Career personnel and 44 volunteer firefighters who respond to approximately 1600 calls for service per year. The Eagle Fire Protection District is located in the North East corner of Ada County. The District provides service to the City of Eagle and unincorporated areas of Ada, Boise, and Gem Counties. The District is bordered by Boise to the south, Garden City to the east, and the Star Joint Fire Protection District to the west. A three-member Board of Commissioners governs this District and will assume the responsibility for the adoption and implementation of this plan.

10.2.2 Service Area and Trends

The district serves a population of 25,000 as of 2010. Its service area covers an area of approximately 92 square miles which has a total value of \$3,607,176,806.

The Eagle Fire Protection District has experienced an average 4% annual growth over the last five years. The District's call volume has averaged 1,669 calls per year during this same time period. The District anticipates an increase in new home construction starts in the future. However, we predict calls for service will increase reaching approximately 2,358 per year by 2020

10.2.3 Assets

Table 10-1 summarizes the critical assets of the district and their value.

Table 10-1. Special Purpose District Assets

Asset	Value
Critical Infrastructure and Equipment	
Four Type 1 Engines	\$1,200,000
One 85' Quint Platform	\$1,000,000
One Heavy Rescue	\$850,000
One Water Tender	\$175,000
Four Type 6 Engines	\$210,000
Six Command Vehicles	\$100,000
One Water Rescue Unit	\$150,000
Total:	\$3,685,000
Critical Facilities	
EFD Station #1—966 E. Iron Eagle Dr.	\$2,500,000
EFD Station #2—3180 E. Floating Feather Rd	\$1,000,000
EFD Station #3—825 N. Cactus Creek	\$1,500,000
Total:	\$5,000,000

10.3 PLANNING AND REGULATORY CAPABILITIES

The following existing codes, ordinances, policies or plans are applicable to this Multi-Hazard Mitigation Plan:

- Ada County Flood Response Plan, 2014
- Ada County Wildfire Response Plan, 2014
- The District must adhere to all applicable codes and regulations enforced by federal, state and local authorities with a sphere of influence within the District service area. This would include the 2012 edition of the International Fire Code as adopted by the State of Idaho.

10.4 FISCAL, ADMINISTRATIVE AND TECHNICAL CAPABILITIES

The jurisdiction participates in the Public Protection Class Rating System and currently has a rating of 3/8. This rating was achieved in July, 2009. An assessment of fiscal capabilities is presented in Table 10-2. An assessment of administrative and technical capabilities is presented in Table 10-3.

Table 10-2. Fiscal Capability

Financial Resources	Accessible or Eligible to Use?
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for Specific Purposes	Yes
User Fees for Water, Sewer, Gas or Electric Service	No
Incur Debt through General Obligation Bonds	Yes
Incur Debt through Special Tax Bonds	No
Incur Debt through Private Activity Bonds	No
State-Sponsored Grant Programs	No
Development Impact Fees for Homebuyers or Developers	No
Other	Yes Mitigation Fees collected from developers

Table 10-3. Administrative and Technical Capability

Staff/Personnel Resources	Available?	Department/ Agency/Position
Planners or engineers with knowledge of land development and land management practices	No	N/A
Engineers or professionals trained in building or infrastructure construction practices	No	N/A
Planners or engineers with an understanding of natural hazards	No	N/A
Staff with training in benefit/cost analysis	No	N/A
Surveyors	No	N/A
Personnel skilled or trained in GIS applications	No	N/A
Scientist familiar with natural hazards in local area	No	N/A
Emergency manager	No	N/A
Grant writers	No	N/A
Other	N/A	

10.5 EDUCATION AND OUTREACH CAPABILITIES

An assessment of education and outreach capabilities is presented in Table 10-4.

Table 10-4. Education and Outreach

Criteria	Response
Do you have a Public Information Officer or Communications Office?	No
Do you have personnel skilled or trained in website development?	No
Do you have hazard mitigation information available on your website? • If yes, please briefly describe.	Yes Links on website to Firewise, NFPA
Do you utilize social media for hazard mitigation education and outreach? • If yes, please briefly describe.	Yes Links on website to Facebook and twitter
Do you have any citizen boards or commissions that address issues related to hazard mitigation? • If yes, please briefly specify.	No N/A
Do you have any other programs already in place that could be used to communicate hazard-related information? • If yes, please briefly describe.	No No
Do you have any established warning systems for hazard events? • If yes, please briefly describe.	Yes Code Red/ISAWS – residents may sign up to receive emergency notifications and critical community alerts. Both systems are IPAWS enabled and may additionally access that integrated system for public warnings.

10.6 INTEGRATION WITH OTHER PLANNING INITIATIVES

The following describe the jurisdiction’s process for integrating the Multi-Hazard Mitigation Plan into existing plans and programs.

10.6.1 Existing Integration

The following plans and programs currently integrate the goals, risk assessment and/or recommendations of the Multi-Hazard Mitigation Plan:

- Ada County Wildfire Response Plan

- Ada County Flood Response Plan

10.6.2 Opportunities for Future Integration

The following plans and programs do not currently integrate the goals, risk assessment and/or recommendations of the Multi-Hazard Mitigation Plan, but provide an opportunity for future integration:

- All future updates to plans and programs identified in 10.6.1.

10.7 JURISDICTION-SPECIFIC NATURAL HAZARD EVENT HISTORY

Table 10-5 lists all past occurrences of natural hazards within the jurisdiction.

Table 10-5. Natural Hazard Events

Type of Event	FEMA Disaster # (if applicable)	Date	Preliminary Damage Assessment
Wildland Fire	N/A	5/2/2015	Fire southeast of Avimor above the WWTP
Flood	N/A	2/14/2014	Flooded areas around homes and threatened Beacon Light Road
Wildland Fire	N/A	7/20/2014	North of Spring Valley Ranch threatened wildlife habitat, multiple agency responded
Severe Weather	N/A	9/5/2013	Severe weather storm hit the area. Cause a tree to blow down on an occupied vehicle and two homes being struck by lightning depleting resources
Wildland Fire	N/A	9/5/2013	Wild fire threatening the Jasmine Mine.
Wildland Fire	N/A	8/15/2013	Fire on Spring Creek Road threatened numerous home and power transmission lines, multiple agencies responded
Wildland Fire	N/A	7/16/2013	Numerous homes threatened by wind driven fire, was resource intensive, depleted resources. Multiple agencies responded
Wildland Fire	N/A	7/4/2013	Foothills North of Eagle threatened numerous homes, multiple agencies responded.
Wildland Fire	N/A	8/24/2012	Fire West of Willow Creek road threatening several homes.
Wildland Fire	N/A	7/22/2012	Fire East of Willow Creek road threatening power lines.
Flood	N/A	5/4/2012	Flood threatened numerous home Eagle Island and west of Linder Rd. multiple agency response or several days

10.8 JURISDICTION-SPECIFIC VULNERABILITIES

Noted vulnerabilities the jurisdiction include:

- Not applicable

10.9 HAZARD RISK RANKING

Table 10-6 presents the ranking of the hazards of concern.

10.10 STATUS OF PREVIOUS PLAN INITIATIVES

Table 10-7 summarizes the initiatives that were recommended in the previous version of the hazard mitigation plan and their implementation status at the time this update was prepared.

Table 10-6. Hazard Risk Ranking

Rank	Hazard Type	Risk Rating Score (Probability x Impact)	Category
1	Flood	54	High
2	Wildland Fire	36	High
3	Earthquake	32	High
4	Severe Weather	27	Medium
5	Dam Inundation	18	Medium
6	Landslide	12	Low
7	Drought	6	Low
8	Volcano	6	Low

Table 10-7. Status of Previous Action Plan

Action Item	Completed	Carry Over to Plan Update	Removed; No Longer Feasible
Action #-EFD01 <i>Comment: Continue to provide Public Education to neighborhoods, schools and community via webpages and outreach</i>		X	
Action #—EFD02 <i>Comment: Partner with healthy Hills Coalition develop demonstration areas using low bio-mass native vegetation that will decrease fire spread and damage from wildland fire.</i>	X		
Action #—EFD03 <i>Comment: To reduce the determined vegetation which can fuel a rapid spreading wildland fire through the means of mechanical mowing of invasive grass and brush in the wildland urban interface.</i>		X	
Action #—EFD04 <i>Comment: Partnering with adjoining jurisdictions in purchasing specialized equipment to reduce and eliminate invasive grasses through the means of applying herbicides and replanting of fire resistant native plant species in the wildland urban interface</i>		X	
Action #—EFD05 <i>Comment: Partnering with adjoining jurisdiction rehabilitate areas impacted by wildfire for wildlife while sustaining access to recreational trails and to prevent erosion.</i>		X	
Action #—EFD06 <i>Comment: Partner with Federal agencies to install electronic flow monitoring stations on the North Channel of the Boise River Eagle Rd Bridge and Dry Creek Drainage at the Eagle Rd. Bridge. Both monitoring stations shall be capable of feeding data to USGS stream flow web site, or other applicable collection sources.</i>		X	
Action #—EFD07 <i>Comment: Host a Community wide open house to increase public awareness of all hazards within the Eagle Fire Protection District and response capabilities of the jurisdiction.</i>		X	
Action #—EFD08 <i>Comment: Partner with appropriate local authorities to establish right-of-way and construct a roadway that will allow access on to State Highway 44 from Plaza Dr. to enhance response capabilities for the Eagle Fire Department and Ada County Sheriff's Department.</i>		X	
Action #—EFD09 <i>Comment: Support County wide initiatives identified in Volume 1</i>		X	
Action #—EFD10 <i>Comment: Continue to support the implementation, monitoring, maintenance, and updating of the Plan as defined in Volume 1.</i>		X	

10.11 HAZARD MITIGATION ACTION PLAN AND EVALUATION OF RECOMMENDED ACTIONS

Table 10-8 lists the actions that make up the Eagle Fire Protection District hazard mitigation action plan. Table 10-9 identifies the priority for each action. Table 10-10 summarizes the mitigation actions by hazard of concern and the six mitigation types.

Table 10-8. Hazard Mitigation Action Plan Matrix

Applies to new or existing assets	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline
Action#-EFD01- Continue to provide fire safety, fire prevention and FireWise education to neighborhoods, schools and community via web pages, signage and outreach.						
Existing & New	Wildfire	8,9	Eagle Fire	Low	Firewise Grant Local Funding	Short
Action #—EFD02- Reduce the determined vegetation which can fuel a rapid spreading wildland fire through the means of mechanical mowing of invasive grass and brush in the wildland urban interface						
Existing & New	Wildfire	2,8,9	Eagle Fire	High	PDM, AFG, Local Funding	Long
Action #—EFD03- Partnering with adjoining jurisdictions in purchasing specialized equipment to reduce and eliminate invasive grasses through the means of applying herbicides and replanting of fire resistant native plant species in the wildland urban interface.						
Existing & New	Wildfire	2,8,9	Eagle Fire	Medium	PDM, local Funding	Long
Action #—EFD04- Partnering with adjoining jurisdictions to rehabilitate areas impacted by wildfire for wildlife while sustaining access to recreational trails and to prevent erosion						
Existing & New	Wildfire, Landslide	2,8,9	Eagle Fire	Medium	PDM, Local Funding	Long
Action #—EFD05- Partner with Federal agencies to install electronic flow monitoring stations on the North Channel of the Boise River Eagle Rd. Bridge and Dry Creek Dry Creek drainage at Eagle Rd. Bridge.						
Existing & New	Flood	1,2,7,10	Eagle Fire Federal Partners	High	PDM,	Long
Action #—EFD06- Host a community wide open house to increase public awareness of all hazards within the Eagle Fire Protection district and response capabilities of the jurisdiction.						
Existing & New	All Hazards	8	Eagle Fire	Low	Local Funding	Short
Action #—EFD07- Partner with appropriate local authorities to establish right-of-way and construct a roadway that will allow access on to State Hwy 44 from Plaza Dr. to enhance the response capabilities for the Eagle Fire Dept. and Ada County Sheriff’s Dept.						
Existing & New	All Hazards	1,9,10	Eagle Fire City of Eagle, ACHD, ITD	High	Local Funding	Short
Action #—EFD08- Support County wide initiatives identified in Volume 1						
Existing & New	All Hazards	All	Eagle Fire, ACEM	Low	District Funds	Short
Action #—EFD9- Continue to support the implementation, monitoring, maintenance, and updating of the plan, as defined in Volume 1						
New & Existing	All Hazards	All	Eagle Fire, ACEM	Low	District Funds, FEMA Mitigation Grant Funding	Short

Applies to new or existing assets	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline
Action #-EFD10- Meet and coordinate with private organizations, state, federal and other local agencies to develop, conduct and maintain wildfire mitigation projects.						
New and Existing	Wildfire	1, 6, 9, 10	Eagle Fire, ACEM	Low	District Funds	On-going

Table 10-9. Mitigation Strategy Priority Schedule

Action #	# of Objectives Met	Benefits	Costs	Do Benefits Equal or Exceed Costs?	Is Project Grant-Eligible?	Can Project Be Funded Under Existing Programs/Budgets?	Implementation Priority ^a	Grant Priority ^a
EFD01	2	Medium	Low	Yes	Yes	Yes	High	Medium
EFD02	3	High	High	Yes	Yes	No	Medium	Medium
EFD03	3	Medium	Medium	Yes	Yes	No	Medium	Medium
EFD04	3	Medium	Medium	Yes	Yes	No	Low	Low
EFD05	4	High	Medium	Yes	Yes	No	High	High
EFD06	1	Medium	Low	Yes	Yes	Yes	High	Low
EFD07	3	High	Medium	Yes	Yes	Yes	High	Low
EFD08	All	High	Low	Yes	No	Yes	High	Low
EFD09	All	High	Low	Yes	No	Yes	High	Low
EFD10	4	High	Low	Yes	No	Yes	High	Low

a. See the introduction to this volume for explanation of priorities.

Table 10-10. Analysis of Mitigation Actions

Hazard Type	Action Addressing Hazard, by Mitigation Type ^a					
	1. Prevention	2. Property Protection	3. Public Education and Awareness	4. Natural Resource Protection	5. Emergency Services	6. Structural Projects
Flood	EFD08, EFD9	EFD08	EFD06, EFD07, EFD09	EFD06	EFD06, EFD08	
Wildland Fire	EFD08, EFD09, EFD10	EFD03, EFD08, EFD10	EFD01, EFD02, EFD03, EFD07, EFD09, EFD10	EFD03, EFD04, EFD05, EFD08, EFD10	EFD03, EFD04, EFD08, EFD10	
Earthquake	EFD08, EFD09	EFD08	EFD07, EFD09			
Severe Weather	EFD08, EFD09	EFD08	EFD07, EFD09		EFD08	
Dam Inundation	EFD08, EFD09	EFD08	EFD07, EFD09			
Landslide	EFD09		EFD07, EFD09	EFD05		
Drought	EFD09		EFD07, EFD09			
Volcano	EFD09		EFD07, EFD09			

a. See the introduction to this volume for explanation of mitigation types.

