

WILDFIRE - EXAMPLE MITIGATION PROJECTS

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	<i>Prevention</i>	
1		Create zoning districts to reflect fire risk zones
2		Review subdivision regulations to ensure they address: on-site water storage, wide roads, multiple access, restrict building on steep slopes, require defensible space and inspection of new development in the WUI
3		Adopt building code standards for roof materials
4		Review implementation process for rural impact fees for fire protection in the WUI.
5		Consider strategies for county regulations (subdivision and others) that would require maintenance of fuel reduction projects in the WUI and enforcement.
6		Consider implementing zoning in the county for requiring fuel reduction in the WUI.
7		Consider implementing zoning in the county requiring fire-resistant building materials in the WUI.
8		Investigate developing a regulatory mechanism to ensure that subdivisions are built as approved and fire protection systems are initially and periodically certified.
9		Develop WUI defensible space guidelines to update subdivision regulations.
10		Update subdivision regulations to include recommendations for wildfire resistant construction.
11		Encourage Planning Board to adopt subdivision regulations that require vegetation management plans to create and maintain survivable space, roof covering requirements, and fire protection covenants.
12		Encourage use of fire-resistant materials/design of non-combustible homes in future developments.
13		Expand county growth policy to address wildfire hazard in rural planning areas.
14		Adopt rural fire protection standards for low-density development.
15		Adopt an overlay zone for the WUI and other rural areas that applies to all development and includes enforceable measures to protect life and property.
	<i>Property Protection</i>	
16		Retrofit roofs with fire-resistant materials and add spark arrestors
17		Remove vegetation and combustible materials around structures
18		Perform fuel mitigation on evacuation routes, initial attack roads, power lines, and communication sites in the WUI.
19		Continue grants programs for landowners to create defensible space.
20		Study creation of fire breaks in appropriate locations in Conservation Reserve Program lands and areas of future development.
21		Perform fuel mitigation around historic sites
22		Upgrade the water supply in communities as needed to more effectively assist with wildfire suppression.
23		Encourage BLM and USFS to perform fuel mitigation on federal lands adjacent to the WUI
24		Encourage utility companies to perform fuel reduction along utility corridors
25		Encourage contiguity in fuel management projects so there will be no gaps in treatment.
26		Support inter-agency collaboration on fuel management projects.
27		Encourage state and federal agencies and landowners to conduct fuel reduction on their property in the WUI.
28		Continue to increase size of ingress/egress roads where possible to create fire breaks.
29		Encourage homeowner associations to review their covenants to incorporate fire resistant materials.
30		Use digital wildfire mapping for land management and project development.
31		Conduct individual home audits for residences in the wildland urban interface.
32		Encourage at risk landowners to participate in cost-share fuel reduction programs to reduce fuels round homes.
33		Encourage rural fire dept. and private landowners to install water storage tanks for fire protection.

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34	Encourage evacuation route safety, including making roads wider, reducing fuels along them, and having secondary access.
35	Encourage land management agencies and private landowners to conduct stabilization and revegetation projects in burned areas.
36	Encourage creation of survivable space in current developments through coordinated landowner mitigation projects.
37	Identify, maintain, update and support high priority fuel treatment areas within the WUI for hazardous fuel treatment by private landowners.
38	Implement FireWise principles and upgrade county facilities with non-combustible materials in Seeley Lake area.
<i>Natural Resource Protection</i>	
39	Prevent water pollution to the public water supply by stabilizing burned slopes after a wildfire
40	Encourage land management agencies and private landowners to conduct stabilization and revegetation projects in burned areas.
<i>Structural Projects</i>	
41	Create fire breaks to prevent the spread of fire
42	Provide more than one means of access into and out of a community
43	Equip water storage facilities with fire-resistant electrical pump when not connected to a community water system
44	Develop alternative firefighting water sources
45	Widen initial attack roads and install culverts where needed.
<i>Emergency Services</i>	
46	Recruit and train volunteer fire fighters
47	Enhance emergency services to increase the efficiency of wildfire response and recovery activities
48	Install more fire reporting stations for better access and coverage
49	Coordinate fire departments and other emergency services in prevention and response activities
50	Obtain more 4-WD tenders
51	Install booster antennas to enhance cell service in fire districts where it would be beneficial.
52	Improve training and qualifications of personnel to more effectively interface with incoming Incident Management Teams deployed in the county.
53	Coordinate activities of rural fire departments and partner agencies to provide for cooperation before, during, and after a fire incident.
54	Increase availability of water resources for wildland firefighting by strategic placement of water tanks and ponds.
55	Create a database of water sources for firefighting and make database available to rural fire districts.
56	Install dry hydrants through the county as determined necessary by local fire districts.
57	Obtain attachments to connect fire suppression equipment to rancher's sprinkler systems.
58	Obtain trailer-mounted 1,000-gallon pumps which can be used for fire fighting.
59	Integrate GIS technology for multi-jurisdictional response and mitigation planning.
60	Develop evacuation procedures for homes near highways that commonly carry hazardous materials and near haz-mat storage facilities and pipelines.
61	Perform fuel treatments along evacuation routes.
62	Formalize agreements for fire response in unprotected County lands.
63	Obtain mobile air quality monitors to determine unhealthy wildfire smoke conditions.
64	Develop and/or update water supplies (wells and tanks) in communities to enhance firefighting capabilities.

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65		Develop and implement an enhanced communication/alert system for notification of impending wildland fire activity or evacuation for outlying areas.
66		Procure and designate a wildland supply cache to outfit fire departments to ensure wildland firefighter safety.
67		Develop public-private partnerships to fund regional water sources for fire protection.
<i>Public Outreach and Education</i>		
68		Develop and disseminate updated maps relating to fire hazard to assist builders and homeowners in wildfire mitigation and guide emergency services during response.
69		Provide outreach to landowners on fuel mitigation funding opportunities for private land.
70		Develop partnerships to provide for fire mitigation activities and suppression preparedness.
71		Implement robust public outreach project on FireWise principles.
72		Conduct community-based demonstration projects of fire prevention and mitigation in the urban interface
73		Establish neighborhood "drive-through" activities that pinpoint site-specific mitigation activities.
74		Support volunteer fire department fire prevention activities
75		Provide outreach to citizens on wildfire mitigation techniques.
76		Promote evacuation planning for landowners.
77		Provide education to landowners on fuel mitigation along evacuation routes.
78		Conduct workshops and distribute information on wildfire hazard reduction and seasonal fire danger to rural property owners.
79		Partner with surrounding counties and present workshops and presentations focused on defensible space and FireWise principles targeting county planning staff, county planning boards, architects, engineers, and realtors.
80		Continue pushing out information on Red Flag Warnings for broadcast over Emergency Alert Systems.
81		Educate the public on wildfire mitigation, especially those at high risk from wildland urban interface fires.
82		Support FireSafe Montana in their work educating realtors, building contractors, insurance industry, and landscaping companies to ensure they have knowledge on FIREWISE principals.
83		Support efforts of County Health Officer to provide public info and guidance when wildfire smoke conditions are unhealthy.
<i>Mapping/Analysis/Planning</i>		
84		Study creation of fire breaks in appropriate locations in Conservation Reserve Program lands and areas of future development.
85		Conduct WUI mapping to support new Community Wildfire Protection Plan.
86		Update Community Wildfire Protection Plan.
87		Complete a study of impact fees for rural residents to fund more reliable water supplies and fire safety.
88		Continue to update and maintain fire hazard mapping project as well as compilation of completed fuel mitigation projects.
89		Assist fire jurisdictions/community groups with mapping.
90		Continue to work with cooperating agencies to develop population protection plans.
91		Continue to look for funding opportunities for fuel mitigation on private land.
92		Keep digital WUI map up to date.