For the Wildland - Urban Interface

# **Eagle Mountain**

Protecting Life, Property, and
Community Values
Through
Community-Based Planning

**DATE: May 8, 2014** 





Department of Natural Resources
Division of Forestry, Fire and State Lands
1594 W North Temple, PO Box 145703, Salt Lake City, UT 84114-5703

#### INTRODUCTION

Wildfire has been a continuing challenge throughout Utah's history. There are several areas in Utah where there is an extreme danger of wildland-urban fire. In fact, any fire over 100 acres threatens some structure due to the increase in development into wildland areas. Over 400 of Utah's communities have been classified as "at risk" of wildfire. The safety of the citizens of any community is a shared responsibility between the citizens; the owner, developer or association; and the local, county, state and federal governments. The primary responsibility, however, remains at the citizen/owner and association level.

#### The following problems have increased the wildland-urban interface wildfire risk:

- Desire to live in a secluded area surrounded by natural vegetation without defensible space.
- Homes are built of flammable materials (wood siding, shakes and patios).
- Fire equipment is hampered from protecting an area because of long, narrow, winding, or steep driveways.
- Distance from fire departments.
- One ingress and egress road in subdivisions and some communities.
- Misperception that fire protection in rural areas is equal to urban fire protection services.
- Inadequate water supply.
- Poor signage and access to residences.
- No hazard planning for evacuation and no early warning systems.
- Utility service lines and propane tanks.

#### The purpose of community fire planning is to...

- Empower communities to organize, plan, and take action on issues impacting community safety
- Enhance levels of fire resistance and protection to the community
- Identify the risks of wildland/urban interface fires in the area
- Identify strategies to reduce the risks to homes and businesses in the community during a wildfire.

#### OBJECTIVES OF COMMUNITY FIRE PLANNING IN UTAH

- Facilitate organization of citizen fire councils to guide planning and coordinated action
- Improve community safety through:
  - ✓ Coordination
     ✓ Training
     ✓ Fire Prevention
     ✓ Education
     ✓ Fuel modification
     ✓ Public Safety
- Enhance fire protection through:
  - ✓ Improved fire prevention and public education
  - ✓ Improved coordination within the community
  - ✓ Development of long-term strategies
- Reduce the potential for and the consequences of wildfire.

#### STATEMENT OF LIABILITY

The activities suggested by this guidance document, the assessments and recommendations of fire officials, and the plans and projects outlined by the citizen fire council, are made in good faith according to information available at this time. The community wildfire committee is responsible for the actions taken under this plan. The Utah Division of Forestry, Fire and State Lands can make no guarantees regarding the level of success users of this plan will experience. Wildfire still occurs, despite efforts to prevent it or contain it; the intent of all decisions and actions made under this plan is to reduce the potential for and the consequences of wildfire.

#### ABOUT THIS DOCUMENT

This document provides the outline for and specifies the information recommended for inclusion in a wildfire plan. If possible, the community should create its own document using a word-processing program, following the format outlined here; however, this workbook format has been created to provide whatever assistance possible in facilitating this process.

#### Introduction -- Partnerships and Collaboration

Depending on where the community is located, various federal and state partners will be involved. This section outlines who was involved in identifying the risks and treatments within and around the community.

#### Part I - Community Description

The community description identifies community resources that can be used to complete the goals of the plan, and a physical description of the community to guide wildfire preparation and response decisions.

#### Part II - Community Prescription

The community prescription includes the goals of the plan, identifies specific actions needed to complete the goals of the wildfire plan and identifies responsible parties, resources and priorities.

#### Part III - Resources

This section contains a list of wildfire preparation and response resources that are selected by the community for retention in a community wildfire reference library.

#### Part IV – Technical Assessments

This section includes fire officials' assessments and ratings of the wildfire hazard in the community, and their recommendations for actions to mitigate hazards.

#### **Appendix**

The information to be included in the appendix is primarily determined by the community and fire officials: data, assessments, maps, contact lists, project worksheets – whatever might prove useful to the community.

#### RESOURCES

For resources to complete a wildfire plan for your community, consider organizations such as the following:

- ✓ Local / Primary fire protection provider
- ✓ Local Resource, Conservation and Development Districts
- ✓ Utah Division of Forestry, Fire and State Lands
- ✓ Utah State Fire Marshal (Dept. of Public Safety)
- ✓ Utah Comprehensive Emergency Management
- ✓ Utah Living With Fire
- ✓ FireWise

- ✓ County fire agencies
- ✓ County emergency management services
- ✓ American Red Cross
- ✓ USDA Forest Service
- ✓ U.S. Department of Interior Agencies
- ✓ Utah Resource Conservation Districts
- ✓ Utah Soil Conservation Districts

Contact information for some of the above-listed agencies is included in the back of this document.

For information concerning the Community Fire Planning guidance document, contact the Utah Division of Forestry, Fire and State Lands, P.O. Box 145703, Salt Lake City, Utah 84114-5703. Or, e-mail tyreholfeltz@utah.gov. The Community Fire Planning guidance document is available at http://www.ffsl.utah.gov/firemgt/WUI/CFP/CFP-workbook3.doc.

Completed Community Fire Plans should be submitted to your local Area Manager or Fire Management Officer from the Utah Division of Forestry, Fire and State Lands.

#### **ACKNOWLEDGMENTS**

The Utah Division of Forestry, Fire and State Lands would like to thank Kathy Hammons and Janet Johnson of Community Solutions, Inc. for their input and work on this document. The Division also appreciates those agencies whose publications inspired the creation of this document, such as the Pennsylvania Model Prevention, Pre-suppression and Preparedness Plan, the Colorado State Forest Service Wildfire Hazard Mitigation and Response Plan, the Big Sky Fire Management Strategy, Utah's Wildland-Urban Interface Fuel Load Reduction Community Level Protection document, and others. Finally, thanks to Arthur W. DuFault, former Utah State Forester and National Fire Plan Coordinator, who initiated this endeavor for the State of Utah.

## **Community Fire Planning Checklist**

## **INSTRUCTIONS**

This checklist is provided to help the community track its progress in development of its community wildfire plan. The Community Wildfire Council is responsible for completing Sections I and II; fire officials are responsible for completing Section IV. Section III and the Appendix should be a joint effort between the community and fire officials.

It is requested by state fire officials that the structure of the community fire plan follow this outline; this will provide continuity among Utah's community fire plans, and facilitate information sharing in emergency situations.

Community: Eagle Mountain

County: Utah

Primary Contact: Sean Edwards

Phone: (385)222-5479

Secondary Contact: Riley Pilgrim

Phone: (801)556-5454

Section		Completed $()$	Date
I.	Community Description		
	Declaration and Concurrence	1	3/5/14
	Planning Committee Members List	1	3/5/14
	Community Legal Structure	1	3/5/14
	Population	1	3/5/14
	Values at Risk	1	3/5/14
	Natural Resources at Risk	1	3/5/14
	Commercial Entities	1	3/5/14
	Formal Associations	1	3/5/14
	Media Support	1	3/5/14
	Schools	1	3/5/14
	Transportation (Railroad, Highway)	1	3/5/14
	Private Emergency Service and Equipment Capabilities	1	3/5/14
	Restricting Covenants, Ordinances	1	3/5/14
	Insurance Rating	1	3/5/14
	Physical Description		
	Access	1	3/5/14
	Roads	1	3/5/14
	Driveways	1	3/5/14
	Structures	1	3/5/14
	Bridges, Culverts, Gates	1	3/5/14
	Utilities	1	3/5/14
	Sewage System	1	3/5/14

Section		Completed (√)	Date
II.	Community Prescription		
	Goals of Plan	1	3/25/14
	Identification of Actions	1	3/25/14
	Identification of Responsible Parties,		
	Resources, and Priorities	√	3/25/14
III.	Resources		
	List of resources available in a community		
	wildfire reference library.	√	3/25/14
IV,	Technical Assessments		
	A. Community Description		
	Area	<b>1</b>	5/7/14
	Topography and Vegetation	<b>V</b>	5/7/14
	Infrastructure	<b>V</b>	5/7/14
	Water Supply	1	5/7/14
	Emergency Services / Equipment Capabilities		
	Hazard Evaluation		
	Area Fire History	1	5/7/14
	Subdivision Hazard Rating	1	5/7/14
	Property / Structure Ratings	1	5/7/14
	Expected Fire Behavior		
	B. Community Prescription		
	Fuel Modification Projects	1	5/7/14
	Infrastructure Improvements	1	5/7/14
	Education	1	5/7/14
	Wildfire Response / Pre-Attack Plan		
	Monitoring and Evaluation	1	5/7/14
	Evacuation Plan		
	Appendices		
	Homeowner Information	1	5/7/14
	Technical Assessments	1	5/7/14
	Maps (topography, escape routes, etc.)	1	5/7/14

#### **INSTRUCTIONS**

## **Declaration and Concurrence Page**

This list needs to be customized to the individual plan. Provide the names and affiliations of all fire partners. This page will then be signed after all fire partners have reviewed the plan <u>and concur with its contents</u>. Fire partners should include – but are not limited to – homeowners, developers, home association representatives, fire department personnel, police, emergency management, Forest Service, BLM, etc. An Area Manager or Fire Management Officer from the Utah Division of Forestry, Fire and State Lands must be included.

#### **SAMPLE**

Name / Affiliation:	Richard Dixon, Developer			
Signature:	<u>Richard Dixon</u>	Date:	03/31/02	
Name / Affiliation: Signature:	Marianne Smith Hon	De Dev Date: E	oner 5-8-14	
Name / Affiliation: Signature:	Jody HOGGEY HOMEOUNER	Date:	18/14	
Name / Affiliation:	HEAD POEPLES LOUISE			
Signature:	trac Topplar	Date: 6	-8-14	
Name / Affiliation: Signature: Name / Affiliation:	JUSH ROSON; Ky +1867	)46 Date:	S-8-1	4
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## Declaration and Concurrence Page, continued

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## Declaration and Concurrence Page, continued

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# INTRODUCTION PARTNERSHIPS AND COLLABORATION

Sample paragraph—Please briefly describe surrounding lands and the partners involved in coordinating the treatments identified in the Community Fire Plan. This section can be added to as new projects and partners are developed.

Eagle Mountain is a master-planned community that captures a neighborhood feel in the midst of Utah's urban corridor. Eagle Mountain sits just 40 miles southwest of Salt Lake City and 30 miles northwest of Provo, Utah at the western base of the Lake Mountains. The historic Pony Express Trail runs through the city.

Since its incorporation in December 1996, the city's population has grown from 250 residents to more than 24,000, becoming one of the state's fastest growing communities. We are the third largest city geographically in the state of Utah.

Eagle Mountain partners with emergency services with Unified Fire Authority. Unified Fire Authority has two stations in Eagle Mountain, one in the Ranches and one in City Center. Land in Eagle Mountain and the surrounding wildland-urban interface is controlled by the Bureau of Land Management, Utah School and Institutional Trust Lands Administration and the National Guard's Camp Williams. However, the majority is privately owned land.

#### INSTRUCTIONS

#### 2. Community Legal Structure

List the government entities associated with the community - city, town, unincorporated, special service district, homeowner association(s), other. Part of the purpose in this exercise is to help identify organizations through which grant funding – federal, state or other – can be channeled.

Contact Person	Phone Number	E-mail
	801-789-7900	
	801-766-9998	
	801-789-7878	
	801-766-9998	
Chris Pengra	801-798-6603	mayor@emcity.org
		801-789-7900 801-766-9998 801-789-7878 801-766-9998

#### **INSTRUCTIONS**

#### 3. Population

Provide information regarding the population of the area.

Approximate number of homes:	5,500	_
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Approximate number of lots:

9,400

Approx. number of commercial entities:

Approximate number of full-time residents: 24,000

Approximate number of part-time residents: 100

Approx. visitor population during fire season: 10,000

#### **INSTRUCTIONS**

#### 4. Estimated Values at Risk

Provide an approximation of the estimated current values of residential and commercial property in the subdivision. The County Assessor should be able to assist with this information.

The estimated values at risk of residential and commercial property in the year 20	are approximately

#### **INSTRUCTIONS**

#### 5. Natural Resources at Risk

Describe the natural resources at risk in the subdivision and surrounding area, such as watershed, forest products, wildlife, recreation tourism, etc.

The area is home to numerous species of animals, including habitat for deer, antelope, snakes and waterfowl. Bald eagles, raptors and many other birds are in abundance. The area around Lake Mountain is crisscrossed with many hiking, biking and ATV trails which are frequently used in the summer months. At the edges of Lake Mountain there are many pieces of land used to grow alfalfa crops and which can be grazed by many animals.

#### INSTRUCTIONS

#### 6. Commercial Entities

List contact information for commercial entities in the area (not just in the subdivision).

Organization	Contact Person	Phone Number	E-mail	Address
Cedar Valley Airport	Brent Davis	801-768-9327		7974 N Airport Rd
Camp Floyd State Park	Mark Trotter	801-768-8932	marktrotter@utah.gov	18035 W 1540 N, Fairfield
Intermountain Regional Landfill	Rob Richards	801-403-7651	info@irlutah.com	
Lantis Fireworks & Lasers	Ken Lantis	801-768-2255		799 N 18150 W, Cedar Valley
Law Enforcement Training Center				
Wasatch Wing and Clay		801-540-2466		800 N 16800 W, Cedar Fort
www.emcity.org for business directory				

## INSTRUCTIONS

## 7. Formal Associations

List contact information for civic groups, churches, volunteer organizations, senior citizen groups, youth groups, etc.

Organization	Contact Person	Phone Number	E-mail
Church Groups			
Eagle Mountain CERT			
HAM Radio Group – Emergency Communication Team			info@emect.org
Boy Scouts Troop 1965	Josh Kasanicky	801-789-7399	Turtletank09@yahoo.com
		i	

## **INSTRUCTIONS**

## 8. Media Support

List contact information for local media, such as newspapers, newsletters, television, radio, websites, etc.

Organization	Contact Person	Phone Number	E-mail
The Crossroads Journal	Wendy Lojik Kara Traveller	801-787-9502	wendythecrossroadsjournal@gmail.com
Eagle Mountain City Newsletter			
HOA Monthly Newsletter			
Eagle Mountain City Facebook/Twitter			
Camp Williams Facebook/Twitter			

## INSTRUCTIONS

## 9. Schools

List contact information for all public and private schools in the community.

School	Contact Person	Phone Number	E-mail	Address
Eagle Valley Elementary	Keith Conley	801-610-8704	kconley@alpinedistrict.org	4475 N Heritage
				Dr Eagle
				Mountain
Hidden Hollow	Tom Tillman	801-798-7806	ttillman@alpinedistrict.org	2546 E Pony
Elementary				Express Parkway
<u> </u>				Eagle Mountain
Mountain Trails	David Turner	801-789-6080	dturner@alpinedistrict.org	3951 N Wood Rd
Elementary				Eagle Mountain
Pony Express Elementary	Vicki Smith	801-610-8724	vsmith@alpinedistrict.org	3985 E Smith
				Ranch Rd Eagle
				Mountain
Vista Heights Middle	Steve Stewart	801-610-8770	sstewart@alpinedistrict.org	484 W Pony
School				Express Parkway
				Saratoga Springs
Westlake High School	Fred Openshaw	801-610-8815	fopenshaw@alpinedistrict.org	99 N 200 W
-	-			Saratoga Springs
The Ranches Academy	Susie Scherer	801-789-4000		7789 E Tawny
<u>-</u>				Owl Circle Eagle
				Mountain
Lakeview Academy	Rick Veasey	801-331-6788	rveasey@lakeview-	527 W 400 N
			academy.com	Saratoga Springs
Rockwell Charter High	Darren Beck	801-789-7625	dbeck@rockwellhigh.net	3435 E
School				Stonebridge Ln
				Eagle Mountain

## INSTRUCTIONS

## 10. Transportation

List contact information for any railroad, highway, or other public transportation routes or means in the community.

Organization	Contact Person	Phone Number	E-mail
UTA		801-743-3822	
Eagle Mountain Public Works, Streets Department	Zac Hilton	801-789-6679	zhilton@emcity.org
Utah County Public Works	Ken Bringhurst	801-851-8605	kenbringhurst@utahcounty.gov
Utah Department of Transportation	Jason Davis	801-943-9448	jasondavis@utah.gov
Alpine School District	Vern Henshaw	801-610-8400	vhenshaw@alpinedistrict.org

#### INSTRUCTIONS

## 11. Private Emergency Services and Equipment

List <u>privately owned</u> equipment and services available for wildfire response (such as tow trucks, bulldozers, etc.), with contact information. If such services or equipment are already contracted under the County Mobilization Plan, they should not be listed here.

Type of Equipment	Contact Person	Phone Number	E-mail	Address
N/A				

#### **INSTRUCTIONS**

#### 12. Restricting Covenants, Ordinances, etc.

Describe any pertinent restricting covenants, ordinances, etc. concerning wildfire in the community. For example, home association bylaws may have requirements regarding building construction materials or vegetation removal, or regarding access in a gated community.

Source	Details
Check with HOA reps	

#### **INSTRUCTIONS**

#### 13. Insurance Rating

Provide the current insurance rating for the community. (The community's primary fire protection provider or local insurance carrier can assist with this information.) (Site the source of the insurance rating.)

Fire	Insurance	Rating:	
+			

#### INSTRUCTIONS

#### 14. PHYSICAL DESCRIPTION

While completing the following assessments of the community, consider the height, width, weight, and turnaround needs of emergency equipment. Exact clearance requirements may vary by community.

Road clearance height

≥ 13'6"

Dead end street turnaround

≥ 100' diameter

Road clearance width

 $\geq$  20'

Bridge/culvert weight limit

 $\geq$  20 tons per axle

Driveway clearance height

≥ 13'6"

Driveway turnarounds\*

≥ 30' (inside turning radii), 45' (outside)

Driveway clearance width

≥ 13°0 ≥ 12°

Driveway turnouts\*\*

 $\geq$  10' wide and 30' long

\* for driveways in excess of 150' in length

\*\* for driveways in excess of 200' in length and less than 20' in width

#### **INSTRUCTIONS**

#### A. Access

Provide detailed information regarding access to the community, including all-weather and seasonal access.

i. Directions to community:

Eagle Mountain is located northwest of Utah Lake in Utah County. To reach the community from the north, take I-15 to UT-154/Bangerter Highway and turn right/west. Continue until UT-68/Redwood Rd and turn left. Drive 8.1 miles and turn right onto 8570 N and continue onto Cedar Fort Rd. From the south, drive I-15 to American Fork exit 278.

Keep left onto UT-145/Pioneer Crossing and continue until UT-68/Redwood Rd and turn right onto Pony Express Parkway.

ii. All-weather access:

All paved roads are maintained year-round.	
Till paved roads are mamamed year roads.	

iii. Seasonal access:

The community of Eagle Mountain is reached through one of two main arterial highways UT-73 and UT-68. If either of these highways became closed the resulting flow of traffic to/from Eagle Mountain would be impaired.

#### INSTRUCTIONS

#### B. Roads

Provide information regarding the condition and types of roads in the community. Percentages are ideal, but general estimations are sufficient.

- i. All road signs are present.
- ii. 90% are pavement; 0% are gravel; 10% are dirt
- iii. Some will support [#] 2-way of traffic.
- iv. Some are loop roads.
- v. <u>Some</u> are dead-end roads. Of these, <u>most</u> have <u>inadequate</u> turnaround space available at the end of the road for emergency equipment (based on turning radius listed in front of this section.)

#### **INSTRUCTIONS**

## C. Driveways

Provide a general assessment of the driveways in the community, in regard to emergency equipment (based on height and width information listed in front of this section) and emergency response.

- i. Most driveways width and height clearance, road grades and vegetation appearance are <u>adequate</u> for emergency equipment.
- ii. Most individual homeowners have posted their name and address.

#### INSTRUCTIONS

## D. Structures

Assess the community in regard to building structures and wildfire hazard – construction materials, visibility, etc. Percentages are ideal, but general estimations are sufficient.

- i. All are of wood-frame construction.
- ii. Most have wood decks or porches.
- iii. None have wood shake or shingle roofs.
- iv. Most are visible from the main subdivision road.

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## E. Bridges, Gates, Culverts, other

Assess the community's infrastructure for potential obstacles to emergency response. Consider weight, height, and width information of emergency vehicles as listed in front of this section.

- i. All bridges support emergency equipment.
- ii. All gates provide easy access to emergency equipment.
- iii. All culverts are easily crossed by emergency equipment.

#### **INSTRUCTIONS**

#### F. Utilities

Assess and provide information on the utilities serving the community, in regard to wildfire hazard and emergency response capabilities.

•	
i.	Telephone service is <u>below</u> ground.
	Provided by: <u>Direct Communications</u> Telephone number: <u>801-789-2800</u>
ii.	Electrical service is ( below / above ) ground.
	Provided by: Eagle Mountain City Telephone number: 801-789-5959
iii.	Are there homes/structures utilizing propane? Yes / No
	If yes: 99% of those propane tanks are above ground
	If some <u>are</u> above ground:% are marked with a flag or by other highly visible means
	List locations of those propane tanks above ground:
iv.	Are there homes/structures utilizing natural gas? Yes / No
v.	Primary water sources
	Approximately 99% of homes use central water system.
	Approximately 1% of homes use individual wells.
	Approximately $\underline{0\%}$ of homes have additional private water source.
	Water provided by: Eagle Mountain City Telephone number: 801-789-6676

## PART II: COMMUNITY PRESCRIPTION

**Directions:** This section is to be completed by the Community Wildfire Committee. A community prescription includes the goals of the plan, identifies specific actions needed to complete the goals of the wildfire plan and identifies responsible parties, resources and priorities.

#### INSTRUCTIONS

#### 1. Goals of Plan

Provide a brief statement of the goals of the Community Wildfire Plan. Each plan must address the following: Fuel Reduction, Facilities and Equipment, Education, Emergency Response Plan, Regulative Issues, and Evaluation and Maintenance.

The fuel reduction projects can identify goals for projects on both private and public land.\*\*

#### 2. Identification of Actions

Describe projects that need to be done to complete the goals of the plan, and to perform annual and periodic maintenance of the plan.

#### 3. Identification of Responsible Parties, Resources and Priorities

Outline how the actions described in Item 2 will be accomplished, by listing responsible parties (person or organization who are responsible for each action, keeping in mind that this is a guidance document), a timeline agreed upon by the community council and interested parties, and priorities (designating of each action as high, medium or low priority).

\*\* The Healthy Forest Restoration Act of 2003 is a federal act that gives priorities to projects identified in a community fire plan. When communities identify fuel mitigation projects on adjacent public lands that would increase the likelihood of the community's wellbeing, this allows the federal agencies to plan, process and implement projects on these public lands in an expedited manner.

#### GOALS/PURPOSE OF PLAN

- A. Community will decrease fuels within the community to reduce wildfire intensity and impact in and around the community.
- B. Community will work with county, state and federal fire officials to <u>decrease fuels on adjacent public lands</u> to reduce wildfire intensity and impact in and around the community
- C. Community will evaluate, upgrade and maintain community wildfire preparation and response <u>facilities and</u> equipment.
- D. Community will help educate community members to prepare for and respond to wildfire.
- E. Community will develop and implement a comprehensive emergency response plan.
- F. Community will actively address identified <u>regulative issues</u> impacting community wildfire prevention and response needs.
- G. Community will regularly evaluate, update and maintain planning commitments.

(EXAMPLES)

Goal A: Community will decrease fuels within the community to reduce wildfire impact in and around the community.

Action(s):	Timeline:	Responsible Party:	Priority
Reduce/maintain fuel on empty lots	Ongoing		High
Lot clean ups utilize dumpster	Ongoing		High
Demonstration lot	2014		Medium

Notes and Updates:

Goal B: Community will work with county, state and federal fire officials to decrease fuels on adjacent public lands to reduce wildfire intensity and impact in and around the community.

Fuelbreaks and greenstrips (Kiowa Valley, Golden 2014-	2016	High
Eagle, Hidden Valley, White Hills, Web Cedars)		nigii
Connect with Camp Williams fuels work 2014-	2016	High

Notes and Updates:

# Goal C: Community will evaluate, upgrade and maintain community wildfire preparation and response <u>facilities</u> and <u>equipment</u>

Action(s):	Timeline:	Responsible Party:	Priority:
UFA stations staffed full time with enough men/women	2014		High
Add (3) Type IV Engines	2015		High
New UFA station in City Center	2016		High
Purchase UTV	2015		High

Notes and Updates:

## Identification of Goals and Actions

(Copy page as needed)

## Goal D: Community will help educate community members to prepare for and respond to wildfire.

Action(s):	Timeline:	Responsible Party:	Priority:
Get information out to community through websites and pamphlet library	2014		High
Education Day with UFA	2014		Medium
Deliver Ready, Set, Go program to residents	2014		Medium
Educate on shooting and burning restrictions	Ongoing		High

Notes and Updates:

## Goal E: Community will develop and implement a comprehensive emergency response plan.

Action(s):	Timeline:	Responsible Party:	Priority:

Notes and Updates:

# Goal F: Community will actively address identified <u>regulative issues</u> impacting community wildfire prevention and response needs.

* *	1	Responsible Party:	Priority:
Address road width/clearance emergency issues resulting from street-side parking	2014		High
Reduce target shooting in WUI	Ongoing		High

Notes and Updates:

## Goal G: Community will regularly evaluate, update and maintain planning commitments.

Action(s):	Timeline:	Responsible Party:	Priority:
Update CWPP regularly	Annually		High
			-

# PART III: RESOURCES

**Directions**: This section is to be completed through joint effort between the Community Wildfire Committee and fire officials. This section will contain a list of wildfire preparation and response resources that are selected by the community for retention in a community wildfire reference library.

#### INSTRUCTIONS

#### List of Resources

List wildfire preparation and response resources to be retained in a community wildfire reference library, such as brochures, leaflets, books, magazines, videos, charts, etc.

#### **SAMPLE**

#### **Informational Materials**

#### General Fire Prevention

- "Are You Living in the Red?" pamphlet (Utah Fire Assessment Project: Bureau of Land Management et.al.)
- "How to Protect Your Home: It Could Happen to You" (USDA Forest Service)
- "How to Reduce Wildfire Risk" Tree City USA Bulletin (The National Arbor Day Foundation)
- "Living With Fire" video and pamphlet (Utah Living With Fire)
- "Protect Your Hide-away Home" pamphlet (Utah Department of Natural Resources)
- "Protecting Residences from Wildfire" (USDA Forest Service)
- "Protecting Your Home Against Wildfire" video (National Wildfire Coordinating Group)
- "Sunset on Tamarisk" pamphlet (Tamarisk Coalition)

#### Landscaping/Building

- "Firewise Plants for Utah Landscapes" Utah Forest Facts newsletter (Utah State University Extension)
- "Firewise Landscaping for Utah" booklet (Utah State University Extension)
- "How to Landscape for Safer Hillside Living" pamphlet (Los Angeles City Fire Department)

#### Community Planning

- "Community Involvement in Fire Prevention" (Fire Management Notes Vol. 42)
- "Community Planning: An Introduction to the Comprehensive Plan" (Kelly, Becker; Island Press)
- "County Land Use Planning: How Can Planners Help the Fire Services in Protecting Homes from Wildfire" (USDA Forest Service, General Technical Report INT 251)
- "Development Strategies in the Wildland/Urban Interface" (Western Fire Chiefs Association)
- "The Greenbelt Concept: Safeguarding Your Community with Planning Buffer Zones" (American Fire Journal)

#### **Evacuation Planning**

"Fire Alert, Warning and Evacuation" guidance document (Utah Div. of Emergency Services & Homeland Security)

### Websites

Utah's Forestry, Fire and State Lands—http://www.ffsl.utah.gov

Utah Fire Information – http://www.utahfireinfo.gov

FireWise Home Page -- http://www.firewise.org

Forest Service Fire Management Website -- http://www.fs.fed.us/r3/sfe/fire/index.html

Insurance Services Office (town fire ratings) -- http://www.isomitigation.com/

National Fire Protection Association -- http://www.nfpa.org

National Interagency Fire Center, Wildland Fire Prevention/Education - http://www.nifc.gov/preved/rams.html

Moab Interagency Fire Center – http://www.utahfireinfo.gov/mifc/

U.S. Department of Agriculture "How to Get Information" (contacts) - http://www.usda.gov/news/howto/nre.htm

Utah BLM Fire Management Website - http://www.ut.blm.gov/fire/Assessment/assessment.html

Utah Twenty-First Century Communities Program - http://utahreach.usu.edu/comm21/index.htm

USFA Fire-Safe Landscaping Can Save Your Home -

http://www.usfa.dhs.gov/citizens/all citizens/home fire prev/rural/landscape.shtm

Wildfire-proof your home: Minnesota DNR - http://www.dnr.state.mn.us/volunteer/julaug02/firewise.html

How to protect your Home from Wildfire - http://burnsafetn.org/25tips home.html

http://www.firewords.net/

http://jawfonline.org/

http://www.fs.fed.us/rmc/

http://www.stateforesters.org/

http://www.myfirecommunity.net/GuestHome.aspx

# Resources

<u>rmationa</u>	al Materials:
Forest Se Insurance National National U.S. Dep Utah BLI Utah Twe	Home Page http://www.firewise.org  crvice Fire Management Website http://www.fs.fed.us/r3/sfe/fire/index.html  c Services Office (town fire ratings) http://www.isomitigation.com/  Fire Protection Association http://www.nfpa.org  Interagency Fire Ctr, Wildland Fire Prevention/Education - http://www.nifc.gov/preved/rams.html  cartment of Agriculture "How to Get Information" (contacts) - http://www.usda.gov/news/howto/nre.htm  M Fire Management Website - http://www.ut.blm.gov/fire/Assessment/assessment.html  enty-First Century Communities Program - http://www.dced.state.ut.us/21century/index.htm
http://w	ww.utahfireinfo.gov
I	
http://w	ww.independentsector.org
http://w	ww.independentsector.org
http://w	ww.independentsector.org

## PART IV: TECHNICAL ASSESSMENTS

**Directions**: This section is to be completed in conjunction with fire officials. Include any technical data and information which will support or supplement the information provided by the Community in Parts I and II. Specific information is requested in order to provide consistency among fire plans within the state.

#### INSTRUCTIONS

#### A. Community Description

Fire officials are to provide detailed assessments and information regarding this community. Documentation from assessments, ratings, surveys, etc. as information is gathered can be added to the Appendix, along with maps.

#### 1. Physical Description

#### a. Area

Legal description:

T5S R1W 08, 09, 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32

T5S R2W 13, 14, 23, 24, 25, 26, 35, 36

T6S R1W 04, 05, 06, 07, 08, 17, 18, 19, 20, 28, 29, 30, 31, 32

T6S R2W 01, 02, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 35, 36

T 7S R1W 06

USGS Map Quadrangle (optional):

VOR RAD distance (optional):

## b. Topography and Vegetation

Slope

Average 17.27 % Range 0 % to 597 %

Aspect (predominate) 163 (Cardinal direction) South

Describe the vegetation in the area:

The area is a mix of mountain brush, shrubs, grasses and cultivated land in the valley floors. Climbing the slopes leads to numerous junipers. Surrounding Eagle Mountain are numerous acres of farmland. The dominant types of vegetation are sagebrush, dropseed, greasewood, shadescale, Utah juniper, pinyon pine, oak, aspen, douglas fir, mountain mahogany and Russian olive.

## c. Water Supply

#### Ponds / Creeks / other natural water sources:

Type: Pond / Creek	Location / GPS Coordinates	Status: Permanent / Intermittent	Helicopter Access?	Pump Required?	# Gallons or CFS*
Lake	Utah Lake	Permanent	Y	N	

<sup>\*</sup> Ponds: measure 1000's of gallons; Creeks: measure in cfs during fire season

## **Hydrants:**

Location	Type: Dry / Pressurize	Data: *TP&S	GPM (max.) Output	Comments
Map in Appendix B				

<sup>\*</sup> Thread Pressure and Size

## Water Tanks / Other available water storage: (underground cisterns, swimming pools, etc.)

Location	Access	# of gallons*	Responsible Entity	Phone / E-mail
Camp Williams	Helicopter		Camp Williams	

<sup>\*</sup> measure 1000's of gallons

## d. Emergency Services / Equipment Capabilities

Describe the types of emergency services and equipment available from local, county, state and federal resources.

911 Services:	
Local:	
County:	
State:	
Federal:	

## 2. Hazard Evaluation

## a. Area Fire History

Month/Year of fire	Ignition point	Ignition source	Acres burned
12/1999	T5S R2W 18	BLM	1025
8/2000	T6S R2W 20	State	0.5
6/2000	T4S R2W 31	State	0.1
6/2000	T6S R3W 14	State	1
6/2000	T6S R3W 14	State	0.5
6/2000	T6S R3W 15	State	3
6/2000	T6S R1W 21	State	0.75
6/2000	T6S R2W 07	State	0.1
6/2000	T6S R3W 01	State	0.1
6/2000	T6S R3W 12	State	0.1
6/2000	T6S R3W 24	State	0.1
6/2000	T6S R3W 10	State	0.1
6/2000	T7S R1W 05	State	3.5
6/2000	T6S R3W 12	State	0.1
8/2000	T6S R1W 08	State	0.1
9/2000	T6S R3W 22	State	1

Utah Community Fire Planning				
T7S R3W 11	State	0.1		
T6S R3W 11	State	0.1		
T6S R1W 16	State	0.1		
T5S R1W 28	State	15		
T6S R2W 18	State	1.5		
T6S R3W 25	State	1		
T5S R2W 14	State	50		
T7S R3W 03	State	0.1		
T4S R1W 34	State	9000		
T6S R3W 36	BLM	183		
T6S R3W 14	State	0.1		
T5S R2W 32	State	2.5		
T4S R1W 34	State	1348		
T6S R3W 01	State	0.5		
T7S R3W 10	State	0.1		
T5S R1W 03	State	69		
T6S R1W 16	State	0.2		
T7S R1W 09	BLM	64		
T6S R1W 34	BLM	13		
T7S R3W 03	State	0.1		
T7S R3W 02	State	0.1		
T6S R3W 36	State	1.5		
T7S R2W 05	State	0.1		
T5S R2W 27	State	0.1		
T6S R1W 16	State	0.1		
T6S R2W 20	State	0.1		
T6 R1W 04	State	0.1		
T5S R2W 17	State	0.1		
T7S R3W 02	State	0.1		
T5S R1W 33	State	9		
T7S R2W 04	State	1		
	T7S R3W 11  T6S R3W 11  T6S R1W 16  T5S R1W 28  T6S R2W 18  T6S R3W 25  T5S R2W 14  T7S R3W 03  T4S R1W 34  T6S R3W 36  T6S R3W 14  T5S R2W 32  T4S R1W 34  T6S R3W 01  T7S R3W 10  T7S R3W 10  T7S R1W 03  T6S R1W 16  T7S R1W 09  T6S R1W 34  T7S R3W 02  T6S R3W 36  T7S R2W 05  T5S R2W 27  T6S R1W 16  T6S R2W 20  T6 R1W 04  T5S R2W 17  T7S R3W 02  T6S R1W 16	T7S R3W 11         State           T6S R1W 16         State           T5S R1W 28         State           T6S R2W 18         State           T6S R3W 25         State           T5S R2W 14         State           T7S R3W 03         State           T4S R1W 34         State           T6S R3W 36         BLM           T6S R3W 14         State           T5S R2W 32         State           T4S R1W 34         State           T7S R3W 01         State           T7S R3W 10         State           T5S R1W 03         State           T6S R1W 16         State           T7S R1W 09         BLM           T6S R1W 34         BLM           T7S R3W 03         State           T7S R3W 04         State           T7S R3W 05         State           T5S R2W 27         State           T6S R1W 16         State           T6S R2W 20         State           T6S R2W 20         State           T7S R3W 02         State           T7S R3W 02         State           T5S R1W 33         State		

Utah Community Fire Planning				
6/2004	T6S R2W 18	State	11	
5/2004	T6S R2W 17	State	0.1	
6/2004	T6S R3W 34	State	11	
6/2004	T6S R2W 29	State	0.1	
9/2004	T6S R1W 04	BLM	544	
4/2005	T5S R3W 25	State	50	
7/2005	T6S R2W 18	State	0.1	
7/2005	T6S R2W 16	State	0.25	
8/2005	T5S R2W 17	State	1	
8/2005	T6S R1W 27	State	61	
9/2005	T5S R2W 15	State	158	
9/2005	T5S R1W 18	State	25	
7/2005	T5S R2W 27	State	0.66	
7/2005	T5S R1W 19	State	3.5	
7/2005	T7S R3W 02	State	0.4	
7/2005	T7S R2W 05	State	2.2	
7/2005	T5S R1W 32	State	8.7	
7/2005	T6S R2W 18	State	0	
6/2005	T5S R1W 17	State	0.4	
8/2005	T5S R2W 14	State	107	
8/2005	T6S R1W 29	State	0.2	
9/2005	T7S R3W 01	State	0.1	
6/2005	T5 R1W 17	State	0.1	
6/2005	T6S R2W 31	State	15.7	
7/2005	T6S R2W 17	State	0.4	
9/2005	T6S R1W 20	BLM	309	
7/2005	T5S R1W 32	BLM	8	
8/2005	T6S R1W 27	BLM	69	
5/2006	T5S R1W 29	State	25	
6/2006	T7S R1W 18	State	40	
7/2006	T5S R2W 25	State	40	

Utah Community Fire Planning				
7/2006	T6S R2W 07	State	5	
5/2006	T5S R2W 22	State	0.1	
6/2006	T5S R2W 05	State	134	
6/2006	T7S R3W 02	State	0.1	
7/2006	T6S R2W 18	State	0.23	
7/2006	T5S R2W 23	State	0.25	
7/2006	T6S R1W 28	State	5	
8/2006	T6S R2W 18	State	259	
7/2006	T5S R1W 32	State	8	
7/2006	T6S R2W 18	State	1	
7/2006	T5S R2W 28	State	2	
7/2006	T7S R3W 02	State	0.2	
8/2006	T6S R1W 33	State	0.1	
9/2006	T5S R1W 22	State	0.1	
6/2006	T6S R1W 18	State	59	
7/2006	T6S R2W 18	State	0.25	
7/2006	T5S R2W 13	State	0.25	
8/2006	T5S R3W 25	State	0.25	
8/2006	T5S R2W 24	State	0.5	
6/2006	T7S R3W 03	State	0.25	
7/2006	T5S R1W 08	State	14	
7/2006	T5S R3W 36	State	1	
8/2006	T6S R3W 12	State	1	
8/2006	T6S R3W 27	State	3.7	
9/2006	T4S R2W 27	State	827	
8/2006	T6S R2W 18	BLM	259	
6/2006	T6S R1W 18	BLM	64	
7/2006	T5S R2W 25	BLM	30	
5/2007	T5S R2W 32	State	109	
6/2007	T5S R1W 15	State	1.1	
6/2007	T7S R1W 03	State	1985	

Utah Community Fire Planning				
6/2007	T6S R2W 18	State	0.5	
7/2007	T5S R2W 04	State	154	
8/2007	T5S R3W 24	State	0.1	
7/2007	T6S R2W 11	State	27	
6/2007	T7S R1W 03	State	8495	
7/2007	T5S R2W 04	BLM	182	
6/2007	T5S R2W 32	BLM	127	
6/2007	T5S R2W 18	BLM	1984	
4/2008	T5S R2W 27	State	0.1	
6/2008	T5S R1W 04	State	37	
7/2008	T6S R2W 17	State	0.1	
8/2008	T5S R1W 27	State	2.1	
7/2008	T5S R2W 13	State	0.1	
8/2008	T5S R2W 31	State	276	
9/2008	T7S R1W 05	State	0.1	
3/2009	T5S R2W 26	State	0.5	
7/2009	T6S R1W 03	State	2	
7/2009	T6S R3W 13	State	0.1	
8/2009	T5S R2W 05	State	50	
8/2009	T6S R2W 07	State	0.25	
9/2009	T5S R1W 28	State	0.1	
9/2009	T5S R1W 33	State	0.1	
4/2009	T5S R1W 26	State	0.5	
7/2009	T5S R1W 32	State	2.4	
9/2009	T5S R1W 33	State	2	
8/2010	T6S R1W 22	State	0.1	
8/2010	T6S R1W 17	State	10	
8/2010	T6S R1W 05	State	0.1	
8/2010	T6S R1W 16	State	0.5	
9/2010	T5S R2W 05	State	4326	
7/2010	T7S R3W 10	State	1.5	

Utah Community Fire Planning			
8/2010	T6S R1W 03	State	4
8/2010	T6S R3W 01	State	61
9/2010	T5S R1W 33	State	10
9/2010	T6S R2W 18	State	0.1
7/2010	T5S R2W 13	State	238
7/2011	T5S R1W 18	State	29
7/2011	T6S R2W 06	State	1
8/2011	T5S R1W 32	State	27
6/2011	T6S R1W 03	State	5
8/2011	T7S R1W 10	State	6
5/2012	T6S R1W 04	State	8
5/2012	T6S R1W 22	State	0.5
5/2012	T5S R2W 04	State	23
6/2012	T6S R1W 29	State	208
6/2012	T6S R1W 03	State	5507
8/2012	T6S R1W 07	State	1.8
9/2012	T6S R2W 07	State	0.1
9/2012	T5S R2W 05	State	111
7/2012	T4S R2W 26	State	57.8

## b. Subdivision rating

The subdivision is rated **HIGH** for wildfire hazard.

(Documentation for this rating shall be included in Appendix C.)

## c. Property / Structure Rating

All lots will be evaluated for wildfire hazard, as arranged by the Fire Council with fire officials and as permitted by the owners. The *estimated* time of completion for all evaluations is 2015

Documentation of individual property ratings shall be included in the Appendix when they are available.

d.	Expected Fire Behavior
	Describe expected fire behavior in high, moderate and low fire conditions and provide in Appendix detail that includes: Flame Length, Spotting Distance, and rate of Spread.

## INSTRUCTIONS

## **B.** Community Prescription

Based on the information collected, provide recommendations for action under each of the following categories. Fuel modification project plans shall include recommendations for ongoing maintenance.

## 1. Fuel Modification Projects

Project(s) (briefly identify)	Timeframe	Person in Charge
Wood Haven Blvd to Porter Crossing Pkwy (300 feet wide around eastern to western edge)	2015-2017	FFSL, UFA
Porter Crossing to Golden Eagle (300 feet wide around the southern edge of the communities)	2015-2017	FFSL, UFA
Golden Eagle to Ruby Valley (300 feet wide around the southern edge of the community)	2015-2017	FFSL, UFA
Coordinate with Camp Williams to tie in to their fuel projects	2015-2017	FFSL, Camp Williams
Coordinate with BLM to tie in fuel project in Webb Cedars	2015-2017	FFSL, BLM

## 2. Infrastructure Improvements (Utilities, Water Developments, Equipment Acquisition / Repair, etc.)

Project(s) (briefly identify)	Timeframe	Person in Charge
Purchase a Type IV engine for wildland fire	2016-2017	UFA
Purchase a UTV for wildland fire	2016-2017	UFA

#### 3. Education

Goal(s) (briefly identify)	Timeframe	Person in Charge
Coordinate lot assessments to promote individual lot clean-ups carried out by homeowners	2014-2015	UFA
Schedule delivery of <i>Ready, Set, Go!</i> throughout the community	2014-2015	UFA
Fire education (booths, assemblies, etc.) in community at schools and public events	Ongoing	UFA, FFSL

## 4. Wildfire Response / Pre-Attack Plan

A Pre-Attack Plan shall be in place, with a detailed description attached as Appendix ??? with available information which will be added to or augmented when new information becomes available. It shall address the following (most of the below information can be garnered from the above documentation and indeed may be a duplicate of other information in the appendices):

- -Emergency notification procedures and list
- -Fire protection responsibilities and resources among agencies *if not obvious* (private, state, federal lands; response times)
- -Command responsibilities associated with initial attack and extended attack.
- -If possible pre-determined locations for...

**Command Post** 

Staging Areas

Safety Zones

Helibase / Helispots

- -<u>If appropriate</u> factors in determining evacuation vs. shelter-in-place
- -Traffic Control
- -Briefing of personnel on safety and hazards

- -Information on Mitigation work maps/coordinates
- -<u>If possible</u> determine initial resource needs (aircraft, mechanized, hand crews, water / chemical delivery systems)
- -Fuel types with maps
- -Topography maps
- -Hazards of any kind maps/coordinates (for example: gas/electric transmission lines, water, sewer/septic, roads, soil stability, trees, weeds, animals, etc.)
- -Water Resource Locations maps and coordinates (hydrants, streams, ponds, swimming pools, etc.)
- -Local weather factors
- -Anything else that would help IC and his group with a wildfire in the area.

Goal(s) (briefly identify)	Timeframe	Person in Charge

#### 5. Monitoring and Evaluation

Goal(s) (briefly identify)	Timeframe	Person in Charge
Update regularly	Annually	FFSL

#### **APPENDIX**

#### **INSTRUCTIONS**

This section is to be filled as needed by both the Community Wildfire Council and fire officials. Items can include, but are not limited to:

- Contact Lists
- Assessment Project Worksheets
- Maps

- Homeowner Checklists
- Examples / Sample documents
- Glossary

#### **SAMPLE**

#### Appendix A – Contact Lists

Utah Division of Forestry, Fire and State Lands USDA Forest Service Districts Emergency Call-Down List Forest Products Directory

#### Appendix B - Maps

Topography Boundaries Vegetation/Fuel Types (Hazard area) Escape routes Safety zones

#### Appendix C – Assessments / Worksheets

Defensible Space Assessment Worksheets Wildfire Hazard Rating Form Wildland Urban Interface Project Sheet (funding)

#### Appendix D - Checklists / Homeowner Information

Fire Disaster Potential Checklist for Homeowners
Fire Disaster Potential Checklist for Developers
Landscaping and Defensible Space Checklist
Construction Checklist
Fire Resistant Plants
Emergency Response checklist
Zoning recommendations checklist

#### Appendix E - Other

Wildfire Glossary Sample County Fire Ordinances

## Appendix F - Pre-Attack Plan

# **Appendices**

Appendix A:			
Contents:			
Appendix B: Ma	ps		
Contents:	Fuels Projects Map	Land Ownership & Boundaries	
	Fire History Map		
	Fire Hydrants Map		
Appendix C: Ass	essment Forms		
Contents:	Wildfire Hazard Lot Assessment		
	Hazard Rating Worksheet		
	Monthly In-Kind Tracking Sheet		
Appendix D: Hor	meowner Information		
Contents:	Prepare for Wildfire		
	Utah Firewise Living		
	Firewise Landscaping for Utah		
Appendix E:			
Contents:			