

STATE OF UTAH

COMMUNITY FIRE PLANNING

FOR THE WILDLAND – URBAN INTERFACE

GUIDANCE DOCUMENT

PROTECTING LIFE, PROPERTY, AND
COMMUNITY VALUES
THROUGH
COMMUNITY-BASED PLANNING

(DATE)



DEPARTMENT OF NATURAL RESOURCES
DIVISION OF FORESTRY, FIRE AND STATE LANDS



1594 WEST NORTH TEMPLE, P.O. BOX 145703, SALT LAKE CITY, UT 84114-5703

Utah Community Fire Planning

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.

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ABOUT THIS DOCUMENT

This document provides the outline for and specifies the information recommended for inclusion in a wildfire plan. Instructions are provided throughout the document to explain what information can be included.

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 susanlauman@utah.gov. The Community Fire Planning guidance document is available at: <http://www.ffsl.utah.gov/firemgt/WUI/CFP/communityfirepln.htm>.

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.

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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: _____ **County:** _____

Primary Contact: _____ **Phone:** _____

Secondary Contact: _____ **Phone:** _____

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

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

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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 and concur with its contents. An Area Manager or Fire Management Officer from the Utah Division of Forestry, Fire and State Lands must be included.

SAMPLE

_____ Andrew Andreason, Owner	_____ Date
_____ William Billings, Developer	_____ Date
_____ Charles Chan, Homeowners Association President	_____ Date
_____ Richard Dixon, Association Vice-President	_____ Date
_____ Elle Eliason, Nirvana Township Fire Department	_____ Date
_____ Fred Friedrich, Nirvana Township EMS	_____ Date
_____ Greg McGregor, Nirvana Township Police Department	_____ Date
_____ Holly Iverson, Neighborton Township Fire Department	_____ Date
_____ Jessica Jessup, Kolob County EMA	_____ Date
_____ Kyle Keele, Kolob County Red Cross	_____ Date
_____ Lyle Leavitt, Utah State Police	_____ Date
_____ Marti Martinez, Utah Division of Forestry, Fire and State Lands – Area FMO	_____ Date
_____ Nina Nikolovna, USDA Forest Service – Timberland National Forest	_____ Date
_____ Orrin Openshaw, Bureau of Land Management Field Office	_____ Date

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PART I COMMUNITY DESCRIPTION

Directions: *This section is to be completed by the Community Wildfire Committee. A community description identifies community resources that can be used to complete the goals of the plan, as well as a physical description of the community that can help impact wildfire preparation and response decisions.*

INSTRUCTIONS

1. Planning Committee Members List

List the names, affiliations and phone numbers of the planning committee members, i.e. residents, council members, sheriff.

SAMPLE

<u>Name</u>	<u>Affiliation</u>	<u>Phone Number</u>	<u>E-mail</u>
Andrew Andreason	Resident; retired Forest Service	801-555-1847	AA @ aol.com
Charles Chan	Valhalla Homeowners Association Pres.	801-555-1896	chanman@yahoo.com
Elle Eliason	Nirvana Township Fire Department	801-555-9111	EllieMay@aol.com
Fritz & Inga Freiburg	United Christian Faith Group; Boy Scouts	801-555-KIDS	ffreiburg@erols.com
...(etc.)			

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.

SAMPLE

<u>Organization</u>	<u>Contact Person</u>	<u>Phone Number</u>	<u>E-mail</u>
Kolob County Commission	Commissioner Gordon	801-555-1234	Gordon@Kolob.gov
Nirvana Township	Inga Swensen	801-555-2345	SwInga@hotmail.com
Valhalla Homeowners Assn.	Charles Chan, President	801-555-1896	chanman@yahoo.com
...(etc.)			

INSTRUCTIONS

3. Population

Provide information regarding the population of the area, including:

Approximate full-time	Approximate number of lots	Approx. number of commercial entities
Approximate part-time	Approximate number of homes	Approx. visitor population during fire season

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SAMPLE

Total number of homes: 80 (most are maintained as vacation homes)
Full-time residents: 25 people (mostly adults)
Part-time residents: 180+ (adults and children)
Visitor population: Through-traffic of around 1,000 to 2,000 people per day during fire season
Commercial entities: 2

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.

SAMPLE

The estimated values at risk of residential and commercial property in the year 2002 are approximately \$6,400,000.

INSTRUCTIONS

5. Natural Resources at Risk

Describe the natural resources at risk in the subdivision and surrounding area.

SAMPLE

The Valhalla community borders Timberland National Forest. Watershed, forest products, wildlife, and recreation tourism are all critical elements to Nirvana Township and surrounding areas. Moreover, the area is home to a few wildlife species bordering extinction, including the elusive North American Sagebrush Snipe.

INSTRUCTIONS

6. Commercial Entities

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

SAMPLE

<u>Organization</u>	<u>Contact Person</u>	<u>Phone Number / E-mail</u>	<u>Address</u>
*Em's Gas & Grocery	Emma Gardner	801-555-EGGS; Em@aol.com	2900 E. Valhalla Hwy
*Wooden It Be Lovely Gifts	Woodrow Pine	801-555-2222; Wood@aol.com	3125 E. Valhalla Hwy
Acme Auto Repair & Detailing	Charles Chan	801-555-1896; Acme@aol.com	150 E. Valhalla Hwy
Bailey Building & Loan	George Bailey	801-555-1932; BBL@erols.com	75 W. Valhalla Hwy
Win One for the Gipper/VFW Club	John Walker	801-555-7777; Gip@yahoo.com	150 N. Bob's Road
...(etc.)			

* Located in the subdivision

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INSTRUCTIONS

7. Formal Associations

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

SAMPLE

<u>Organization</u>	<u>Contact Person</u>	<u>Phone Number</u>	<u>E-mail</u>
LDS Church	Ira Gardner	801-555-1820	BYUfan@earthlink.net
VFW Post 847	John Walker	801-555-7777	Gip@yahoo.com
Sons of Utah Pioneers	George Bailey	801-555-1932	BBL@erols.com
Boy Scout Troop	Fritz Freiburg	801-555-KIDS	ffreiburg@erols.com
...(etc.)			

INSTRUCTIONS

8. Media Support

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

SAMPLE

<u>Organization</u>	<u>Contact Person</u>	<u>Phone Number</u>	<u>E-mail</u>
Nirvana Weekly Journal	Jim Olsen	801-555-4111	jolsen@nirvana.com
Kolob County News (Daily)	Lewis Lane	801-555-NEWS	LewisLane@KCN.com
KLUK Radio – Henderson City www.welcometonirvana.com	Johnny LeFevre Stevie Jobs	801-555-KLUK 801-555-4545	HeresJohnny@KLUK.net SJobs@msn.com
...(etc.)			

INSTRUCTIONS

9. Schools

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

SAMPLE

<u>Organization</u>	<u>Contact Person</u>	<u>Phone Number / E-mail</u>	<u>Address</u>
Nirvana Elementary	Natalie Pine, Princ.	801-555-3333; NirvanaE1@USD.edu	300 S. Bob's Rd., Nirv
Henderson Junior High	Dean Ratty, Princ.	801-555-1960; HJH@USD.edu	445 W. Ctr Str, Hend.
Henderson High Sch.	Will Riley, Princ.	801-555-1951; HHS@USD.edu	1250 S. Main St, Hend
United Christian Sch.	Fritz Freiburg, Adm.	801-555-KIDS; ffreiburg@erols.com	3250 E. Valhalla Hwy
Henderson School Brd.	Charles Adams, Sup.	801-555-9999; chasadams@USD.edu	1350 S. Main St, Hend
...(etc.)			

INSTRUCTIONS

10. Transportation

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

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SAMPLE

<u>Organization</u>	<u>Contact Person</u>	<u>Phone Number</u>	<u>E-mail</u>
Kolob County Road Dept.	Jeremy Jessup	801-555-8876	jjessup@KC.Roads.gov
Utah Dept. of Transportation	Ben Rhodes	801-555-6789	brhodes@udot.gov
Union Pacific Railroad	Kent Walters	801-555-1111	KentW@UPR.com
...(etc.)			

INSTRUCTIONS

11. Private Emergency Services and Equipment

List privately owned equipment and services available for wildfire response, with contact information. If such services or equipment are already contracted under the County Mobilization Plan, they should not be listed here.

SAMPLE

<u>Type of Equipment</u>	<u>Contact Person</u>	<u>Phone Number; E-mail</u>	<u>Address</u>
Tow truck	Charles Chan	801-555-1896; chanman@yahoo.com	150 E. Valhalla Hwy.
Bulldozer	Richard Dixon	801-555-9876; Dozerman@erols.com	40 N. Wagon Way
...(etc.)			

INSTRUCTIONS

12. Restricting Covenants, Ordinances, etc.

Describe any pertinent restricting covenants, ordinances, etc. concerning wildfire in the community. For example, requirements regarding gated communities, building construction materials, vegetation removal, etc.

SAMPLE

The following restrictions need to be considered in any fuel management or fire protection projects:

- **Valhalla Homeowners Association Bylaws** – Section 3 – General Covenants and Restrictions
 - Item 5: “No road or driveway shall be constructed or altered in any way without prior approval of the Landscape Committee.”
 - Item 11: “Decks should be made of pressure-treated wood and should be of reasonable height...”
 - Item 14: “... Removal of any trees requires prior approval.”

INSTRUCTIONS

13. Insurance Rating

Provide the current insurance rating for the community. (The community’s primary fire protection provider should be able to assist with this information.)

SAMPLE

Fire Insurance Rating: The town of Nirvana carries a fire insurance rating of Class 5.

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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	$\geq 13'6''$	Dead end street turnaround	$\geq 100'$ diameter
Road clearance width	$\geq 20'$	Bridge/culvert weight limit	≥ 20 tons per axle
Driveway clearance height	$\geq 13'6''$	Driveway turnarounds*	$\geq 30'$ (inside turning radii), 45' (outside)
Driveway clearance width	$\geq 12'$	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

If desired, section 14 (pages 10 – 12) can be copied, completed, and included in the community fire plan.

INSTRUCTIONS

A. Access

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

- i. Directions to community:
From [nearest town] _____, go (north/south/east/west) on [road] _____ [#] _____ of miles.
From [nearest fire station] _____, go (north/south/east/west) on [road] _____ [#] _____ of miles.
- ii. All-weather access:
- iii. Seasonal access:

INSTRUCTIONS

B. Roads

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

- i. (No/few/some/most/all) road signs are present.
- ii. _____% are pavement; _____% are gravel; _____% are dirt
- iii. (Most/All) will support [#] _____ of traffic.
- iv. (None/Some/All) are loop roads.
- v. (None/Some/All) are dead-end roads. Of these, (most/all) have (adequate/inadequate) turnaround space available at the end of the road for emergency equipment (based on turning radius listed in front of this section.)

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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 (adequate/inadequate) for emergency equipment.
- ii. (No/few/many/most/all) 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. (None/few/some/many/most/all) are of wood-frame construction.
- ii. (None/few/some/many/most/all) have wood decks or porches.
- iii. (None/few/some/many/most/all) have wood shake or shingle roofs.
- iv. (None/few/some/many/most/all) are visible from the main subdivision road.

INSTRUCTIONS

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. (No/Some/All) bridges support emergency equipment.
- ii. (No/Some/All) gates provide easy access to emergency equipment.
- iii. (No/Some/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.

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i. Telephone service is (below/above) ground.

Provided by: _____ Telephone number: _____

ii. Electrical service is (below/above) ground.

Provided by: _____ Telephone number: _____

iii. Are there homes/structures utilizing propane? Yes / No

If yes: _____% of those propane tanks are above ground

If some are 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 _____% of homes use central water system.

Approximately _____% of homes use individual wells.

Approximately _____% of homes have additional private water source.

Water provided by: _____ Telephone number: _____

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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 (including comprehensive plans for shelter-in-place and evacuation), Regulative Issues, and Evaluation and Maintenance.**

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 who is responsible for each action), resources (assets needed to complete actions), and priorities (designating of each action as high, medium or low priority).

THE FOLLOWING ARE EXAMPLES OF ITEMS THAT CAN BE USED IN THE “PLAN OF ACTION” TABLE YOUR COMMITTEE CREATES:

GOALS/PURPOSE OF PLAN

- A. Community will decrease fuels to reduce wildfire intensity and impact in and around the community.
- B. Community will evaluate, upgrade and maintain community wildfire preparation and response facilities and equipment.
- C. Community will help educate community members to prepare for and respond to wildfire.
- D. Community will develop and implement a comprehensive emergency response plan.
- E. Community will actively address identified regulative issues impacting community wildfire prevention and response needs.
- F. Community will regularly evaluate, update and maintain planning commitments.

ACTIONS

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

ACTION 1: The Fire Committee will implement fuel modification projects.

- Education campaign: Information meetings, brochures, individual assessment of property by fire expert, video tape check out, demonstration areas
- Group purchases of services, i.e. hauling, cutting, chipping, roofing
- School & Youth community service projects
- Service Organization clean-up projects
- Community roadside cutting, spraying, reseeding project

ACTION 2: The committee will work with officials to implement a fuel break

- Fuel break volunteer time and equipment

Goal B: Community will evaluate, upgrade and maintain community wildfire preparation and response facilities and Equipment

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ACTION 1: The Fire committee will improve wildfire preparation by displaying road and address signage

- Collect 3 bids for metal signs with reflective lettering

SAMPLE PLAN OF ACTION TABLE

Goal	Action	Timeline	Responsible Party	Priority
A. Fuel Reduction	1. The Fire Committee will implement fuel modification projects. Education Campaign <ul style="list-style-type: none"> • Brochures • Video tapes • Demo areas • Meetings • Property assessment by fire professional School & Youth community service events Service Organization clean-up events Community roadside cutting, spraying, reseeding projects	<ul style="list-style-type: none"> • Summer 2004 • June 2004 • May 2004 • Semi annually in May and October • July-September 2004 	Fuel Reduction Sub-committee FFSL/Community/Education sub-Committee chair Boy scouts troop/fire department/local business FFSL/FD/Community FFSL/local business/committee	High
	2. Community will work with state/federal fire officials to develop and implement a perimeter fuel break plan. Fuel break volunteer time and equipment	<ul style="list-style-type: none"> • Summer/Fall 2005 	Fuel Reduction Sub-committee Chairperson	Medium
B. Wildfire preparation—address and road signs	1. Collect 3 bids for metal signs with reflective lettering	<ul style="list-style-type: none"> • Fall 2004 	Fire Council committee	Medium
ETC...				

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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)

Landscaping/Building

- “Firewise Plants for Utah Landscapes” Utah Forest Facts newsletter (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

- 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 Ctr, Wildland Fire Prevention/Education – <http://www.nifc.gov/preved/rams.html>
- 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://www.dced.state.ut.us/21century/index.htm>

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**PART IV:
TECHNICAL ASSESSMENTS**

Directions: This section is to be completed by 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. This section can be used as a worksheet – copied, completed, and inserted into the community’s fire plan. Or, fire officials may prefer to use this as a guide rather than a worksheet; if so, please make sure that the final community plan includes the following information. Documentation from assessments, ratings, surveys, etc. should be included in the Appendix, along with maps.

1. Physical Description

a. Area

Legal description:

USGS Map Quadrangle (optional):

VOR RAD distance (optional):

b. Topography and Vegetation

Slope

Average _____% Range _____% to _____%

Aspect (predominate) (Cardinal direction)

Describe the vegetation in the area:

c. Water Supply

Ponds / Creeks / other natural water sources:

Type:		Status:			# Gallons or CFS*
<u>Pond / Creek</u>	<u>Location / GPS Coordinates</u>	<u>Permanent /</u> <u>Intermittent</u>	<u>Helicopter</u> <u>Access?</u>	<u>Pump</u> <u>Required?</u>	

** Ponds: measure 1000's of gallons; Creeks: measure in cfs during fire season*

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Hydrants:

<u>Location</u>	<u>Type:</u> <u>Dry / Pressurize</u>	<u>Data:</u> <u>*TP&S</u>	<u>GPM (max.)</u> <u>Output</u>	<u>Comments</u>
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** Thread Pressure and Size*

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

<u>Location</u>	<u>Access</u>	<u># of gallons*</u>	<u>Responsible</u> <u>Entity</u>	<u>Phone / E-mail</u>
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** 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

<u>Month/Year of fire</u>	<u>Ignition point</u>	<u>Ignition source</u>	<u>Acres burned</u>
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b. Subdivision rating

The subdivision is rated (low / moderate / high / severe / extreme) for wildfire hazard.

(Documentation for this rating should be included in the Appendix.)

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c. Property / Structure Rating

All lots will be rated 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 ratings is _____.

Documentation of individual property ratings should be included in the Appendix.

d. Expected Fire Behavior

Describe expected fire behavior. Detailed documentation should be included in the Appendix.

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INSTRUCTIONS

B. Community Prescription

Based on the information collected, provide recommendations for action under each of the following categories. Fuel modification project plans should include recommendations for ongoing maintenance. This section can be used as a worksheet – copied, completed, and inserted into the community’s fire plan. Or, fire officials may prefer to use this as a guide rather than a worksheet; if so, please make sure that the final community plan includes the following information. **Attach project worksheets for each project, and similar documentation for other goals.**

1. Fuel Modification Projects

<u>Project(s)</u> (briefly identify)	<u>Timeframe</u>	<u>Person in Charge</u>
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2. Infrastructure Improvements (Utilities, Water Developments, Equipment Acquisition / Repair, etc.)

<u>Project(s)</u> (briefly identify)	<u>Timeframe</u>	<u>Person in Charge</u>
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3. Education

<u>Goal(s)</u> (briefly identify)	<u>Timeframe</u>	<u>Person in Charge</u>
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4. Wildfire Response / Pre-Attack Plan

A Pre-Attack Plan should be in place, with a detailed description attached. It should address the following:

- | | |
|--|--|
| <ul style="list-style-type: none"> Emergency notification procedures Fire protection responsibilities among agencies
(private, state, federal lands; response times) Command responsibilities Pre-determined locations for... <ul style="list-style-type: none"> Command Post Staging Areas Safety Zones Helibase / Helispots | <ul style="list-style-type: none"> Factors in determining evacuation vs. shelter-in-place Traffic Control Briefing of personnel on safety and hazards Determining Operational Mode Determining resource needs
(aircraft, mechanized, hand crews, water /
chemical delivery systems) Determining assignments
(reconnaissance, medical suppression, rehab) |
|--|--|

<u>Goal(s)</u> (briefly identify)	<u>Timeframe</u>	<u>Person in Charge</u>
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5. Monitoring and Evaluation

<u>Goal(s)</u> (briefly identify)	<u>Timeframe</u>	<u>Person in Charge</u>
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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