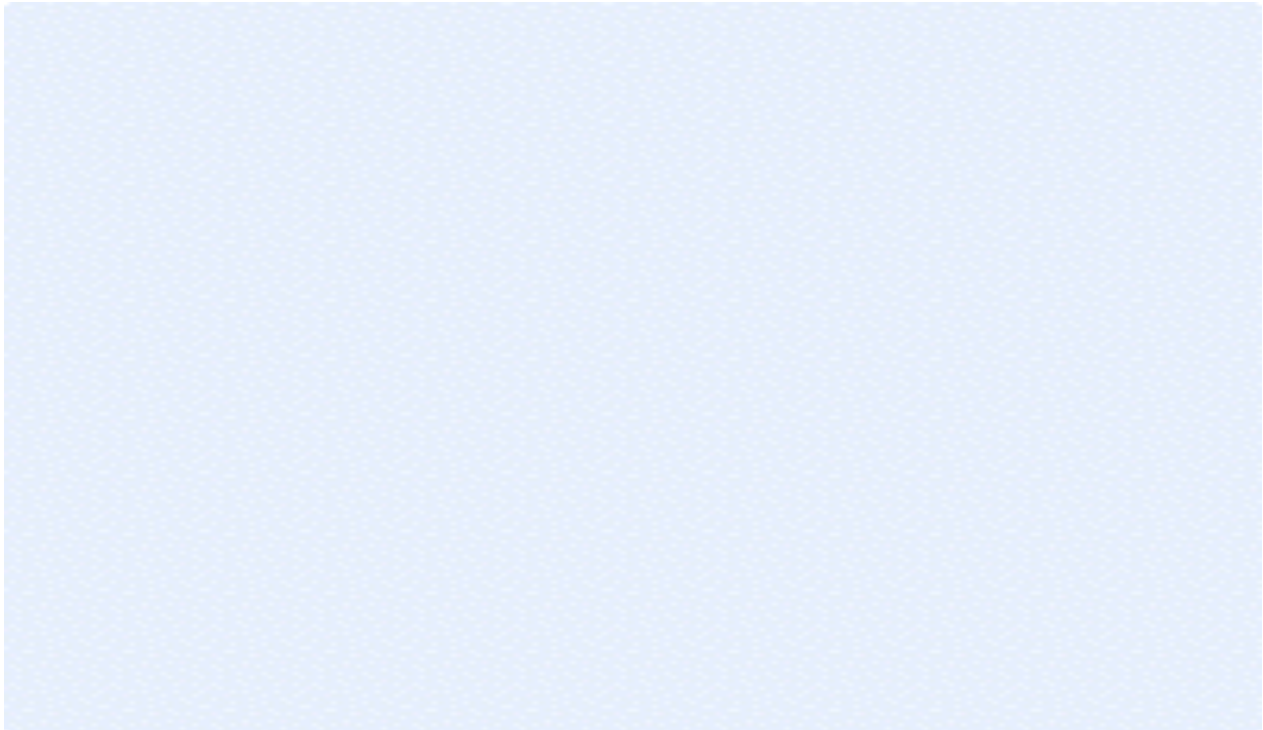# State of Utah

Community Wildfire Preparedness Plan

For the Wildland – Urban Interface

Enter Community Name

_____

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

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Declaration and Concurrence Page

This list needs to be customized to the individual plan. Provide the names and affiliations of all cooperators. This page will then be signed after all cooperators have reviewed the plan and concur with its contents.

	Community Member/Landowner
NAME	**AFFILIATION**
SIGNATURE	**DATE**

	Community Member/Landowner
NAME	**AFFILIATION**
SIGNATURE	**DATE**

	Community Member/Landowner
NAME	**AFFILIATION**
SIGNATURE	**DATE**

NAME	**AFFILIATION**
SIGNATURE	**DATE**

NAME	**AFFILIATION**
SIGNATURE	**DATE**

Declaration and Concurrence Page, continued

NAME	**AFFILIATION**
SIGNATURE	**DATE**
NAME	**AFFILIATION**
SIGNATURE	**DATE**
NAME	**AFFILIATION**
SIGNATURE	**DATE**
NAME	**AFFILIATION**
SIGNATURE	**DATE**
NAME	**AFFILIATION**
SIGNATURE	**DATE**

Enter Community Name Wildfire Preparedness Plan

INTRODUCTION

Over 600 of Utah's communities have been classified as "at risk" of wildfire. The safety of the citizens of any community and the protection of private property and community infrastructure 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 with the local government and the citizen/owner.**

The purpose of wildfire preparedness planning is to…
- Motivate and empower local government, communities, and property owners to organize, plan, and take action on issues impacting the safety and resilience of values at risk
- Enhance levels of fire resilience and protection to the communities and infrastructure
- Identify the threat of wildland fires in the area
- Identify strategies to reduce the risks to structures, infrastructure and commerce in the community during a wildfire
- Identify wildfire hazards, education, and mitigation actions needed to reduce risk
- Transfer practical knowledge through collaboration between stakeholders toward common goals and objectives

Outcomes of wildfire preparedness planning…
- Facilitate organization of sustainable efforts to guide planning and implementation of actions:
  1. Fire adapted communities   2. Resilient landscapes   3. Safe and effective fire response
- Improve community safety through:

✓ Coordination and collaboration	✓ Firefighter training	✓ Fire prevention
✓ Public awareness and education	✓ Fuel modification	✓ Development of long-term strategies
	✓ Improved fire response capabilities	

RESOURCES

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

✓ Local / Primary fire protection provider	✓ Local emergency management services
✓ Local Resource, Conservation and Development Districts	✓ USDA Forest Service
✓ Utah Division of Forestry, Fire and State Lands	✓ U.S. Department of Interior Agencies
✓ Utah State Fire Marshal (Dept. of Public Safety)	✓ Utah Resource Conservation Districts
✓ Utah Division of Emergency Management	✓ Utah Soil Conservation Districts
✓ Utah Living With Fire	
✓ Local fire agencies	

STATEMENT OF LIABILITY

The activities suggested by this template, associated checklist and guidance document, the assessments and recommendations of fire officials, and the plans and projects outlined by the community wildfire council, are made in good faith according to information available at this time. The Utah Division of Forestry, Fire and State Lands assumes no liability and makes 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 intention of all decisions and actions made under this plan is to reduce the potential for, and the consequences of, wildfire. *Last revised March 2016*

This document provides the outline for and specifies the information recommended for inclusion in a wildfire preparedness plan. **Completed Community Wildfire Preparedness Plans should be submitted to the local Area Manager or Fire Management Officer with the Utah Division of Forestry, Fire and State Lands for final concurrence.**

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PLANNING OVERVIEW

Briefly describe the overall planning process that took place to complete this plan. Be sure to include a timeline of the events/meetings, the organizations and partners that participated, a description of why this planning process was initiated, and the overall intended ou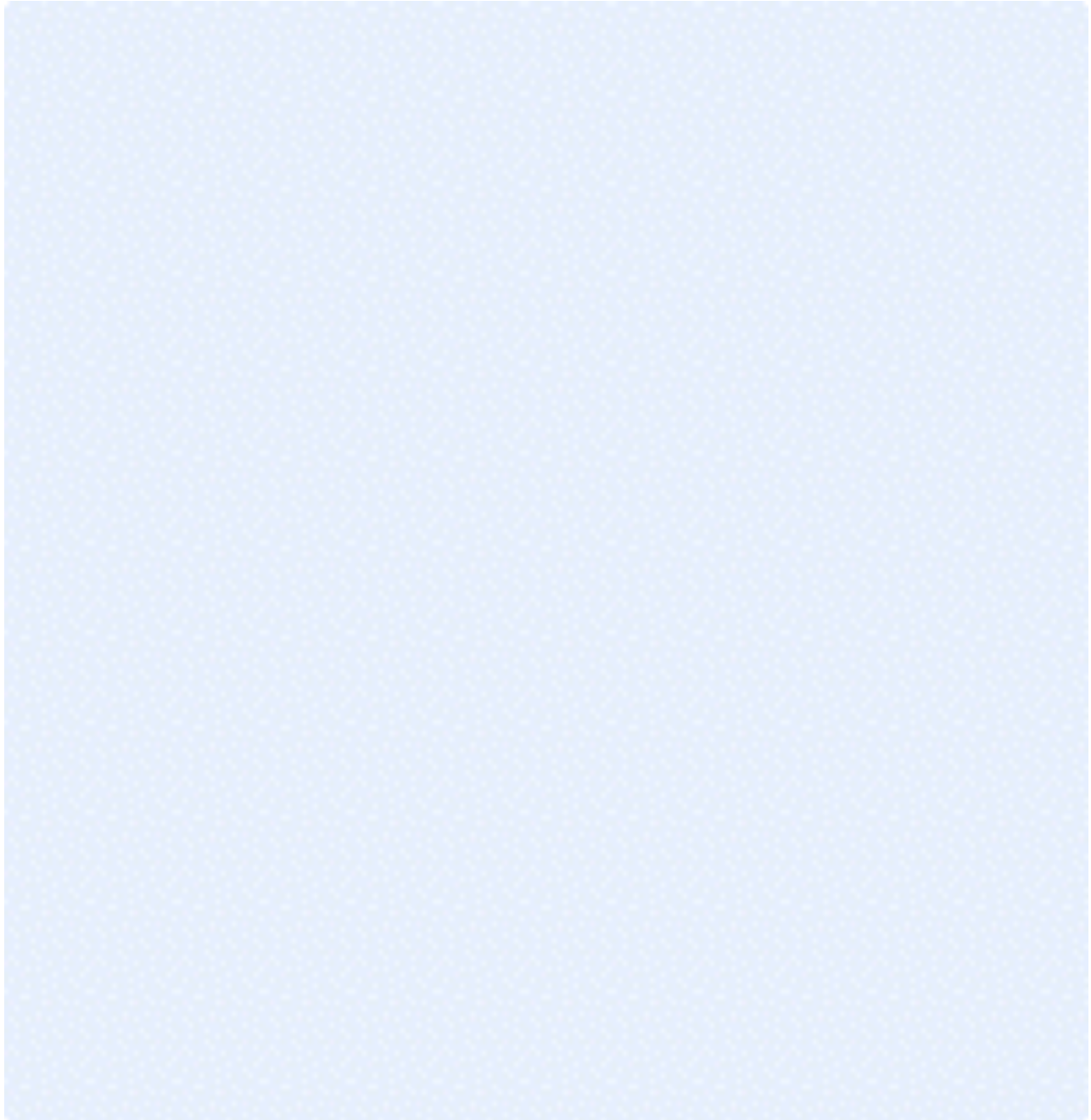tcome of the process, and how outcomes were accomplished. This is much like the information described above (purpose and outcome) but tailored to your community. If desired, please acknowledge any individuals or organizations that were essential to accomplishing the final plan.

PLAN OVERVIEW MAP
Area of Interest

(insert an overview map of the area of interest/community/municipality/county including a buffer of greater than 1,000 yards)

PARTNERSHIPS AND COLLABORATION

Briefly describe surrounding lands and the partners involved in coordinating the fuels treatments identified in the CWPP. This section can be added to as new projects and partners are developed. Community buy-in and desires to support and move these projects forward is critical to overall success.

Examples – *The community of XX is adjacent to XX National Forest land with dense timber stands covering three fourths of the surrounding land. The understory is also dense and could provide ladder fuels to create a catastrophic crown fire. The fuelbreak project on Forest Service land needs to be updated and maintained. The current fuelbreak is about 240 acres and is rapidly filling in with new growth that is compromising the effectiveness of the fuelbreak. Experience has shown that it is very difficult to defend fuelbreaks with 90 degree corners, and the invasion of cheat grass into the existing fuelbreak needs to be reversed. A new, wider fuelbreak, and an authorization for the use of herbicides to maintain the fuelbreak into the future is needed to help safeguard the town of XX. The new improved fuelbreak should employ "green stripping" which makes use of less fire-prone vegetation, such as forage kochia, within the fuelbreak as an added protection. Another safe-guard to* **consider** *is employing a fire break. The mineral soil fireline should run the length of the fuelbreak, enabling suppression resources more options (including back-firing) with which to fight the fire. The figure below shows a proposed new fuelbreak area around the town of XX.*

PART I
COMMUNITY DESCRIPTION

Community Legal Structure				
List the government entities associated with the community – city, town, unincorporated community, special service district, homeowner association(s), other.			
Organization	**Contact Person**	**Phone Number**	**E-mail**

Population	
Approximate number of homes	
Approximate number of lots	
Approximate number of commercial entities	
Approximate number of full-time residents	
Approximated number of part-time residents	
Notes/comments:	

Restricting Covenants, Ordinances, etc. (Attach as appendix)	
For example, home association bylaws may have requirements regarding building construction materials or vegetation removal, or regarding access in a gated community.	
Source	**Details**

Access
Directions to community
All-weather access
Seasonal access

Roads								
Reset Option Buttons	**None**	**Some**	**All**	**Adequate**	**Inadequate**	**% Pavement**	**% gravel**	**% dirt**
Road signs present	☐	☐	☐	☐	☐			
Will support normal flow of traffic	☐	☐	☐	☐	☐			
Are loop roads	☐	☐	☐	☐	☐			
Are dead-end roads	☐	☐	☐	☐	☐			

Turnaround space available at end of road for emergency equipment (based on turning radius listed in the guidance document)	☐	☐	☐	☐	☐			

Notes/comments:

Driveways						
Reset Option Buttons	Adequate	Inadequate	No	Few	Most	All
Most driveways width and height clearance, road grades and vegetation appearance are…	☐	☐	☐	☐	☐	☐
Individual homeowners have posted their name and address	☐	☐	☐	☐	☐	☐

Notes/comments:

Structures						
Reset Option Buttons	None	Few	Some	Many	Most	All
Wood frame construction	☐	☐	☐	☐	☐	☐
Have wood decks or porches	☐	☐	☐	☐	☐	☐
Have wood, shake or shingle roofs	☐	☐	☐	☐	☐	☐
Are visible from the main subdivision road	☐	☐	☐	☐	☐	☐

Notes/comments:

Bridges, Gate, Culverts, other			
Reset Option Buttons	**No**	**Some**	**All**
Bridges support emergency equipment	◌	◌	◌
Gate provides easy access to emergency equipment	◌	◌	◌
Culverts are easily crossed by emergency equipment	◌	◌	◌
Notes/comments:			

Utilities						
Reset Option Buttons	**Below ground**	**Above ground**	**Provided by**	**Phone number**	**% marked with a flag or other highly visible means**	**% utilized**
Telephone service	◌	◌				
Electrical service	◌	◌				
Are there homes utilizing propane?	◌	◌				
Are there homes utilizing natural gas?	◌	◌				
Notes/comments:						

List locations of propane tanks above ground:		
Owner	**Address, lat/long, etc.**	**Size**

Notes/comments:		

Primary Water Sources	
Approximate % homes using central water system	
Approximate % homes using individual wells	
Approximate % homes having additional private water source	
Water provided by		**Phone**	
Notes/comments:			

List locations of water sources:		
Owner	**Address, lat/long, etc.**	**Accessible**
Notes/comments:		

PART II:

RISK ASSESSMENT

Estimated Values at Risk	
Provide an approximation of the estimated current values of residential and commercial property in the area. The County Assessor should be able to assist with this information.	
Estimated values at risk of commercial and residential property	$
Year	

Natural Resources at Risk
Describe the natural resources at risk in the area, such as watershed, forest products, wildlife, recreation tourism, etc.

The following information is based on the Communities At Risk (CARs) list that was developed cooperatively at the local and state level to assist land management agencies and other stakeholders in determining the scope of the WUI challenge and to monitor progress in mitigating the hazards in these areas. This information is updated annually through the interagency fuel groups. Input the fields that are reflected on the state list found on our website at forestry.utah.gov.

Fire Occurrence: Number of fires in the area for the last 10 years _____ to _____			
☐	**0**	**No Risk**	
☐	**1**	**Moderate**	**0 to 1 fire/township**
☐	**2**	**High**	**2 to 14 fires/township**
☐	**3**	**Extreme**	**Greater than 14 fires/township**

Rating			Reset Option Buttons

Area Fire History

Month/Year of fire	Ignition point	Ignition source	Acres burned

Fuel Hazard: Assess the fuel conditions of the landscape and surrounding the community			
⊙	**0**	**No Risk**	
⊙	**1**	**Moderate**	Moderate to low to control, fire intensities would generally cause moderate damage to resources based on slope, wind speed and fuel. Vegetation Types: Ponderosa pine/mountain shrub, grassland, alpine, dry meadow, desert grassland, Ponderosa pine, Aspen and mountain riparian.
⊙	**2**	**High**	High resistance to control, high to moderate intensity resulting in high to moderate damage to resources depending on slope, rate of spread, wind speed and fuel loading. Vegetation Type: Maple, mountain shrubs, sagebrush, sagebrush/perennial grass, salt desert scrub, Black Brush, Creosote and Greasewood.
⊙	**3**	**Extreme**	High resistance to control, extreme intensity level resulting in almost complete combustion of vegetation and possible damage to soils and seed sources depending on slopes, wind speed, rate of spread and fuel loading.
Rating			Reset Option Buttons

Values Protected: Evaluate the human and economic values associated with the community or landscape, such as homes, businesses and community infrastructure.			
⊙	**0**	**No Risk**	

⟳	1	**Moderate**	Secondary Development: This would be seasonal or secondary housing and recreational facilities.
⟳	2	**High**	Primary Development: This would include primary residential housing, commercial and business areas.
⟳	3	**Extreme**	Community infrastructure and community support: This would be water systems, utilities, transportation systems, critical care facilities, schools manufacturing and industrial sites. It may also include valuable commercial timber stands, municipal watersheds and areas of high historical, cultural and/or spiritual significance which support and/or are critical to the well-being of the community.
Rating			Reset Option Buttons

Insurance Rating
Provide the current insurance rating for the community
ISO Fire Insurance Rating:

Protection Capabilities: Insurance Services Organization (ISO) rating for the community will serve as an overall indicator of the protection capabilities.

⟳	1	**Moderate**	**ISO Rating of 6 or lower**
⟳	2	**High**	**ISO Rating 7 to 9**
⟳	3	**Extreme**	**ISO Rating 10**
Rating			Reset Option Buttons

Fire Occurrence	Fuel Hazard	Values Protected	Fire Protection Capabilities	Overall Rating
				0
Total: 4-7 Moderate, 8-11 High, 12 Extreme				

Update Changes

Enter Community Name Wildfire Preparedness Plan

The following information is based on the Utah Wildfire Risk Assessment Portal (UWRAP) and Area of Interest (AOI) Summary Reporting Tool. Reports are generated using a set of predefined map products developed by the West Wide Wildfire Risk Assessment (2012) project. The UWRAP provides a consistent, comparable set of scientific results to be used as a foundation for wildfire mitigation and prevention planning in Utah.

Wildland Development Areas (WUI): Data set is derived using modeling techniques abased on the Where People Live and population count data available to government agencies from the Department of Homeland Security.

Wildland Development Area (WUI) Impacts: Data set is derived using a Response Function modeling approach. To calculate the Wildland Development Area Impact Response Function Score, the Wildland Development Area housing density data was combined with flame length data and Response Functions assignments to represent potential impacts.

Wildfire Risk: combines the likelihood of a fire occurring (Threat), with those of areas of most concern that are adversely impacted by fire (Fire Effects). Wildfire Threat Index is derived from historical fire occurrence, landscape characteristics including surface fuels and canopy fuels, percentile weather derived from historical weather observations and terrain conditions. Fire Effects are comprised of Value Impacts and Suppression Difficulty.

	Total Acres AOI for each Category with the percentages added		
	WUI	**WUI Impacts**	**Wildfire Risk**
Low (1-4)			*17,082/38.3%*
Moderate (5-7)			*22,895/51.2%*
High (8-10)			*4,653/10.4%*

Including maps from the UWRAP report may also be beneficial in this section. Consider using the following as an example.

- Location Specific Ignitions
- Ignition and Fire occurrence density
- Water Impacts
- Rate of Spread
- Suppression Difficulty
- Fire Effects

Past Accomplishments	
Prevention	• *Recognized nationally as a Firewise Community (2015).* • *Formed an active CWPP committee that meets once a month, composed of residents, Mayor and Fire Dept. (2014).*
Preparedness	• *Completed a community wildfire protection plan (CWPP) in 2011.* • *FEPP acquisition for fire department including a five ton truck to be converted to a wildland fire engine.* • *Training in wildland firefighting including S-190, S-130 and chainsaw training.*
Mitigation	• *Secured a $300,000 Western States Fire Assistance (SFA) grant in 2013 for mitigation and education purposes. Funds were directed towards vegetation projects; nearly 40 acres have been treated so far. Grant targets a total of 236 acres.* • *Since 2014, community has contributed approximately $60,000 of in-kind service, including organizing the LDS youth conference in 2014 to help with fuels mitigation.* • *Davis property and east exit access improved (2014).* • *Bi-annual community Chipper Day participation with roughly 75 properties participating.* • *City has evaluated over 70% of the lots for compliance of vegetation code.*
Maintenance	• •

PART III:
RISK REDUCTION GOALS/ ACTIONS

Goals of Plan: Provide a brief statement under the Prevention, Preparedness, Mitigation and Maintenance goals. These should align with the pillars of the National Cohesive Strategy and the Utah Catastrophic Wildfire Reduction Strategy (1.Reslient Landscapes 2. Fire Adapted Communities 3. Wildfire Response).

Identification of Actions: Provide detailed project information. These projects/actions can be mapped/tracked in the Utah WRA portal and should be consistent with a Cooperative Agreement in compliance with the Wildfire Policy if applicable.

GOAL A: PREVENTION – Activities directed at reducing the occurrence of fires, including public education, law enforcement, personal contact.

Goal A.1 –			
Action(s):	**Timeline:**	**Community Lead:**	**Priority:**
Notes, updates ,and monitoring			

GOAL B: PREPAREDNESS – Activities that lead to a state of response readiness to contain the effects of wildfire to minimize loss of life, injury, and damage to property. Including access to home/community, combustibility of homes/structures and creating survivable space.

Goal B.1 – Evaluate, upgrade and maintain community wildfire preparation			
Action(s):	Timeline:	Community Lead:	Priority:
Notes, updates ,and monitoring			

Goal B.2 – Educate community members to prepare for and respond to wildfire.			
Action(s):	Timeline:	Community Lead:	Priority:
Notes, updates ,and monitoring			

Goal B.3 – Address identified regulative issues impacting community wildfire prevention and response needs.			
Action(s):	Timeline:	Community Lead:	Priority:

Notes, updates ,and monitoring			

Goal B.4 – Evaluate response facilities and equipment.			
Action(s):	**Timeline:**	**Community Lead:**	**Priority:**
Notes, updates ,and monitoring			

GOAL C: MITIGATION – Actions that are implemented to reduce or eliminate risks to persons, property or natural resources including fuel treatments and reduction.

Goal C.1 – Decrease fuels within the community to reduce wildfire impact in and around the community.			
Action(s):	**Timeline:**	**Community Lead:**	**Priority:**
Notes, updates ,and monitoring			

Goal C.2 – Work with local, state and federal fire officials to decrease fuels on private and adjacent public lands to reduce wildfire intensity and impact in and around the community.			
Action(s):	**Timeline:**	**Community Lead:**	**Priority:**
Notes, updates ,and monitoring			

GOAL D: MAINTENANCE – the process of preserving actions that have occurred including fuel treatments and reduction.

Goal D.1 - Regularly evaluate, update and maintain project commitments.

Action(s):	Timeline:	Community Lead:	Priority:

Notes and updates

PART IV:
CONTACTS

The contacts in this part identify community resources that can be used to complete the goals of the plan.

Planning Committee Member List			
Name	**Affiliation**	**Phone Number**	**E-mail**

Commercial Entities				
Organization	**Contact Person**	**Phone Number**	**E-mail**	**Address**

Formal Associations			
Organization	**Contact Person**	**Phone Number**	**E-mail**

Media Support			
Organization	**Contact Person**	**Phone Number**	**E-mail**

Schools				
School	**Contact Person**	**Phone Number**	**E-mail**	**Address**

Transportation			
Organization	**Contact Person**	**Phone Number**	**E-mail**

Private Equipment Capabilities				
Type of Equipment	**Contact Person**	**Phone Number**	**E-mail**	**Address**

Other			
Organization	**Name**	**Phone Number**	**E-mail**

APPENDIX

Appendix A:	

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Appendix B:	

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Appendix C:	

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Appendix D:	

Contents:		