

State of Utah

---

# Community Fire Planning

For the Wildland – Urban Interface

## POWDER MOUNTAIN

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

DATE: February 28, 2013



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

# Powder Mountain 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
  - ✓ Education
  - ✓ Training
  - ✓ Fuel modification
  - ✓ Fire Prevention
  - ✓ 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.

*Last revised August 2008*

# Powder Mountain Community Fire Planning

## 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               | ✓ County fire agencies                 |
| ✓ Local Resource, Conservation and Development Districts | ✓ County emergency management services |
| ✓ Utah Division of Forestry, Fire and State Lands        | ✓ American Red Cross                   |
| ✓ Utah State Fire Marshal (Dept. of Public Safety)       | ✓ USDA Forest Service                  |
| ✓ Utah Comprehensive Emergency Management                | ✓ U.S. Department of Interior Agencies |
| ✓ Utah Living With Fire                                  | ✓ Utah Resource Conservation Districts |
| ✓ FireWise   | ✓ 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](mailto:tyreholfeltz@utah.gov). The Community Fire Planning guidance document is available at <http://www.ffsl.utah.gov/firemgmt/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.

## Powder Mountain Community Fire Planning

### 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:** Powder Mountain/PRUD Phase 1    **County:** Weber

**Primary Contact:** Natalie Spilger                      **Phone:** 801-745-5075

**Secondary Contact:** Russ Watts                      **Phone:** 801-673-5630

Section	Completed (√)	Date
<b>I. Community Description</b>		
Declaration and Concurrence	√	February 28, 2013
Planning Committee Members List	√	February 4, 2013
Community Legal Structure	√	February 4, 2013
Population	√	February 4, 2013
Values at Risk	√	February 4, 2013
Natural Resources at Risk	√	February 4, 2013
Commercial Entities	√	February 4, 2013
Formal Associations	√	February 4, 2013
Media Support	√	February 4, 2013
Schools	√	February 4, 2013
Transportation (Railroad, Highway)	√	February 4, 2013
Private Emergency Service and Equipment Capabilities	√	February 4, 2013
Restricting Covenants, Ordinances	√	February 4, 2013
Insurance Rating	√	February 14, 2013
<b>Physical Description</b>		
Access	√	February 4, 2013
Roads	√	February 4, 2013
Driveways	√	February 4, 2013
Structures	√	February 4, 2013
Bridges, Culverts, Gates	√	February 4, 2013
Utilities	√	February 4, 2013
Sewage System	√	February 4, 2013

**Powder Mountain Community Fire Planning**

<b>Section</b>		<b>Completed (√)</b>	<b>Date</b>
<b>II. Community Prescription</b>	Goals of Plan	√	February 14, 2013
	Identification of Actions	√	February 14, 2013
	Identification of Responsible Parties, Resources, and Priorities	√	February 14, 2013
<b>III. Resources</b>	List of resources available in a community wildfire reference library.	√	February 4, 2013
<b>IV. Technical Assessments</b>	<b>A. Community Description</b>		
	Area	√	February 22, 2013
	Topography and Vegetation	√	February 22, 2013
	Infrastructure	√	February 22, 2013
	Water Supply	√	February 22, 2013
	Emergency Services / Equipment Capabilities	√	February 22, 2013
	<b>Hazard Evaluation</b>		
	Area Fire History	√	February 27, 2013
	Subdivision Hazard Rating	√	February 27, 2013
	Property / Structure Ratings	√	February 27, 2013
	Expected Fire Behavior	√	February 25, 2013
	<b>B. Community Prescription</b>		
	Fuel Modification Projects	√	February 14, 2013
	Infrastructure Improvements	√	February 14, 2013
	Education	√	February 14, 2013
Wildfire Response / Pre-Attack Plan	√	February 22, 2013	
Monitoring and Evaluation	√	February 22, 2013	
Evacuation Plan	√	February 22, 2013	
<b>Appendices</b>	Emergency contact lists	√	February 14, 2013
	Technical Assessments	--	----
	Maps (topography, escape routes, etc.)	√	February 22, 2013

**Powder Mountain Community Fire Planning**

**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. 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.

Name / Affiliation: Natalie Spilger, Summit Group

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name / Affiliation: Russ Watts, Development Manager

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name / Affiliation: Pam Kramer, Utah Division of Wildlife Resources, Habitat Biologist

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name / Affiliation: Dave, Vickers, Weber County Fire Warden

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name / Affiliation: Jennifer Hansen, Bear River Area Wildland Urban Interface Coordinator

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name / Affiliation: Blain Hamp, Bear River Area Manager

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name / Affiliation: Tyre Holfeltz, Wildland Urban Interface Program Coordinator

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name / Affiliation: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## **Powder Mountain Community Fire Planning**

### **INTRODUCTION PARTNERSHIPS AND COLLABORATION**

The community of Powder Mountain straddles the border of Cache and Weber Counties in Northern Utah with access and the majority of the development located in Weber County. The community is being developed by the Summit Group whose vision is to implement a modern mountain design while preserving the natural beauty of Powder Mountain. The development will consist of estate lots, ranch lots, cabin sites, nest sites and village residences (a total of 103 lots). This area is primarily secondary residence with the following recreational opportunities: hiking, biking, Nordic skiing and powder skiing. The Community Wildfire Protection Plan is being completed during the planning phase of the development project as required by Weber County Planning Division in the Powder Mountain Development Agreement.

Powder Mountain community development is 1,324 acres of private property with some adjacent public lands; Middle Fork Wildlife Management Area (Utah Division of Wildlife Resources) and Uinta-Wasatch-Cache National Forest. The property's vegetation has been split into six major habitats: conifer/aspen stands, spruce/fir stands, oakbrush, mountain shrub, sagebrush/perennial grass, and herbaceous. The community is working with the federal agency, the state and the county to implement the fuel treatments identified in the fire plan in order to reduce the overall fire risk.

Three projects have been identified as priorities by the community and various agencies on both private and public lands. One is a shaded fuel break north of Founder's Ridge through the mixed conifer and aspen stand on property owned by the community. Another project on private property owned by the community is a shaded fuel break in Lefty's Canyon as development of a downhill ski run occurs. A project on public lands that has been proposed is a shaded fuel break on Middle Fork Wildlife Management Area which is managed by the Utah Division of Wildlife Resource in cooperation with the U.S. Forest Service.

**Powder Mountain Community Fire Planning**

**PART I  
COMMUNITY DESCRIPTION**

**INSTRUCTIONS**

**1. Planning Committee Members List**

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

<b>Name</b>	<b>Affiliation</b>	<b>Phone Number</b>	<b>E-mail</b>
Natalie Spilger	Summit Group	801-745-5075	natalie@summit.co
Russ Watts	Powder Mountain Community Development Manager	801-673-5630	russ@wattsenterprises.com
Pam Kramer	Utah Division of Wildlife Resources	801-725-8537	pamkramer@utah.gov
Dave Vickers	Weber County Fire District	801-726-5501	dvickers@weberfiredistrict.utah.gov
Jennifer Hansen	Utah Division of Forestry, Fire and State Lands	435-752-8701	jenniferhansen@utah.gov

**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.

<b>Organization</b>	<b>Contact Person</b>	<b>Phone Number</b>	<b>E-mail</b>
Weber County Planning Division	Jim Gentry	801-399-8374	jgentry@co.weber.ut.us
Powder Mountain/Summit Group	Natalie Spilger	801-745-5075	natalie@summit.co
Powder Mountain Sewer/Water District	Greg Greer	801-940-0416	ggreer@powdermountain.com



**Powder Mountain Community Fire Planning**

**INSTRUCTIONS**

**3. Population**

Provide information regarding the population of the area.

Approximate number of homes:      143  

Approximate number of lots:         103  

Approx. number of commercial entities:      3   

Approximate number of full-time residents:    10   

Approximate number of part-time residents:    10   

Approx. visitor population during fire season:   430  

**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 2013 are approximately \$24.3 million\*.  
\* As development occurs the values at risk will be adjusted.

**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.

Watershed
Timber/ Vegetation
Wildlife Habitat
Recreation (hiking, biking, Nordic skiing and powder skiing)

## Powder Mountain Community Fire Planning

### 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
Powder Mountain Sewer/Water District	Greg Greer	801-940-0416	ggreer@powdermountain.com	6910 East 6800 North Eden, Utah
Powder Mountain Ski Resort	Greg Greer	801-940-0416	ggreer@powdermountain.com	6910 East 6800 North Eden, Utah

### 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
Powder Mountain HOA	Greg Mauro	858-752-4262	greg@summit.co

### INSTRUCTIONS

#### 8. Media Support

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

Organization	Phone Number	E-mail
Standard Examiner	801-625-4200	cityed@standard.net

### INSTRUCTIONS

#### 9. Schools

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

School	Phone Number	Website	Address
Snowcrest Junior High	801-476-5360	<a href="http://www.screst.weber.k12.ut.us">www.screst.weber.k12.ut.us</a>	2755 N. HWY 162 Eden UT 84310
Valley Elementary School	801-452-4180	<a href="http://www.ve.weber.k12.ut.us">www.ve.weber.k12.ut.us</a>	5821 E. 1900 N. Eden UT 84310

## Powder Mountain Community Fire Planning

### 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
Powder Mountain Bus Routes		801-940-0646	shuttle@powdermountain.com
UTA Ski Bus Routes		801-743-3882	<a href="http://www.rideuta.com/content/customer-service.aspx">http://www.rideuta.com/content/customer-service.aspx</a>
Weber County Road Department	Kelly Hipwell	801-399-8396	khipwell@co.weber.ut.us
Utah Department of Transportation, Region 1	Kris Peterson	801-620-1600	krispeterson@utah.gov

### INSTRUCTIONS

#### 11. Private Emergency Services and Equipment

List privately owned 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
excavator/track hole, front-end loader, and 6 wheel drive road grader. 1-2 years hope to have dozer.	Greg Greer	801-940-0416	ggreer@powdermountain.com	6910 East 6800 North Eden, Utah

### 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
Powder Mountain CC&R's	CWPP will be incorporated into the CC&R's
WUI Code – Weber County	See Appendix E
Fire Pit Code – Weber County	

## Powder Mountain Community Fire Planning

### 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.) (Site the source of the insurance rating.)

**Fire Insurance Rating:** 10

\*Based on the Insurance Service Organization (ISO) located in the Weber County Fire District, Fire Marshall's Office.

### 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	≥ 20'	Bridge/culvert weight limit	≥ 20 tons per axle
Driveway clearance height	≥ 13'6"	Driveway turnarounds*	≥ 30' (inside turning radii), 45' (outside)
Driveway clearance width	≥ 12'	Driveway turnouts**	≥ 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:

From Salt Lake City take I-15 North to the UT-39/12<sup>th</sup> Street exit, Exit 344. Keep right at the fork to go on UT-39 (for approximately 9.8 miles). Turn left onto UT-158 towards Eden. Stay on UT-158 for approximately 11.2 miles. Veer to the left at E 2200 N. And go straight after stopping at the UT-162 intersection. Continue on UT-158 up the mountain.

ii. All-weather access:

All roads will be paved with snow removal.

iii. Seasonal access:

NA

## Powder Mountain Community Fire Planning

### 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. 100 % are pavement; 0 % are gravel; 0 % are dirt
- iii. All will support 2-way traffic.
- iv. None are loop roads.
- v. Some are dead-end roads. Of these, all have adequate 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 adequate for emergency equipment.
- ii. No 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. Most are of wood-frame construction.
- ii. Some have wood decks or porches.
- iii. None have wood shake or shingle roofs.
- iv. Many are visible from the main subdivision road.

## Powder Mountain Community Fire Planning

### 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. 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 only cell phone carriers.
- ii. Electrical service is below ground.

Provided by: Rocky Mountain Power Telephone number: 888-222-7070

- iii. Are there homes/structures utilizing propane? Yes

If yes: 100% of those propane tanks are above ground

If some are above ground: 100% are marked with a flag or by other highly visible means

List locations of those propane tanks above ground:

Next to all residence

- iv. Are there homes/structures utilizing natural gas? No

- v. Primary water sources

Approximately 100% of homes use central water system.

Approximately 0% of homes use individual wells.

Approximately 0% of homes have additional private water source.

Water provided by: Powder Mountain Sewer/ Water District Telephone number: 801-940-0416

## Powder Mountain Community Fire Planning

### PART II: COMMUNITY PRESCRIPTION

#### 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 is responsible for each action), 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 decrease fuels on adjacent public lands to reduce wildfire intensity and impact in and around the community
- C. Community will evaluate, upgrade and maintain community wildfire preparation and response facilities and 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 regulative issues impacting community wildfire prevention and response needs.
- G. Community will regularly evaluate, update and maintain planning commitments.

## Powder Mountain Community Fire Planning

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

Action(s):	Timeline:	Responsible Party:	Priority:
Initial compliance with WUI Code	Immediately with construction	Development/HOA	High
Landscaping and vegetation maintenance as described in the CC&R's	Ongoing	HOA	High

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.**

Action(s):	Timeline:	Responsible Party:	Priority:
Shaded fuel break north of Founder's Ridge	1-2 years	HOA/FFSL/Weber Co.	High
Shaded fuel break in Lefty's Canyon	2-3 years (as development expands)	HOA/FFSL/Weber Co.	High
Fuel break on adjacent public lands	2-3 years	FFSL/Weber Co./ DWR/USFS	Medium

Notes and Updates:

**Goal C: Community will evaluate, upgrade and maintain community wildfire preparation and response facilities and equipment**

Action(s):	Timeline:	Responsible Party:	Priority:
Structures are adequately identified/addressed	Immediately with construction	Development/HOA	High
Road signs will have reflective lettering and dead ends will be adequately identified	Immediately with development	Development/HOA	High
Community hazard/warning siren	1-2 years	HOA/Weber Co.	Medium
Construct retention pond near village with access for fire apparatus.	1-2 years	Development/HOA/Weber Co.	High

Notes and Updates:



**Powder Mountain Community Fire Planning**

*Identification of Goals and Actions*

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

<b>Action(s):</b>	<b>Timeline:</b>	<b>Responsible Party:</b>	<b>Priority:</b>
New homeowner packet with defensible space information, landscaping and maintenance requirements.	Immediately with home occupancy	HOA	High
Annual outreach gathering (can be completed in conjunction with HOA meeting)	Annually	HOA/FFSL/Weber Co.	Medium
Ready, Set, Go Program launching and education	Annually	HOA/Weber Co.	High

Notes and Updates:

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

<b>Action(s):</b>	<b>Timeline:</b>	<b>Responsible Party:</b>	<b>Priority:</b>
Emergency Response Plan	1 year	FFSL/Weber Co./HOA	High

Notes and Updates:

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

<b>Action(s):</b>	<b>Timeline:</b>	<b>Responsible Party:</b>	<b>Priority:</b>
HOA meeting agenda discussion	Annually	HOA/FFSL	High

Notes and Updates:

## Powder Mountain Community Fire Planning

### PART III: RESOURCES

#### 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.

##### 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

- Utah’s Forestry, Fire and State Lands—<http://www.ffsl.utah.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 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://utahreach.usu.edu/comm21/index.htm>

**Powder Mountain Community Fire Planning**

**PART IV:  
TECHNICAL ASSESSMENTS**

**INSTRUCTIONS**

**A. Community Description**

Fire officials are to provide detailed assessments and information regarding this community. Documentation from assessments, ratings, surveys, etc. should be included in the Appendix, along with maps.

**1. Physical Description**

**a. Area**

Legal description:

Township 7 North, Range 2 East, Northwest Quarter  
 Township 7 North, Range 1 East, Northeast Quarter  
 Township 8 North, Range 2 East, Southwest Quarter

USGS Map Quadrangle (optional): NA

VOR RAD distance (optional): NA

**b. Topography and Vegetation**

Slope

Average 20%                      Range 0 % to 30 %

Aspect (predominate) South                      (Cardinal direction) NA

Describe the vegetation in the area:

Vegetation in the area consists of mountain shrub with associated sagebrush/perennial grasses and forbs. Quaking aspen dominates the conifer/aspen habitat. While the spruce/fir habitat is dominated by Engelmann spruce and subalpine fir. Some gambel oak stands exist.

**c. Water Supply**

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

None exist currently in the immediate area. Creation of a retention pond is in the planning stage.

Type: Pond / Creek	Location / GPS Coordinates	Status: Permanent / Intermittent	Helicopter Access?	Pump Required?	# Gallons or CFS*
Pineview Reservoir	Huntsville UT 431411.81 E 4569780.05 N	Permanent	No	Yes	----

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

## Powder Mountain Community Fire Planning

**Hydrants:** Information will be added as development occurs.

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

*\* Thread Pressure and Size*

**Water Tanks / Other available water storage:** (underground cisterns, swimming pools, etc.)  
Information will be added as development occurs.

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

*\* 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:	Upon report of a fire in the area, 911 will dispatch law enforcement, fire suppression and emergency medical services.
Local:	Local response will be one Type I structure engine, 1 Type 6 brush engine and 1 paramedic response vehicle. Second response will be 2 Type I structure engine with 2 more Type II brush engines.
County:	Same as above in addition please notify ....
State:	1 Type 6 engine with Type IV Incident Commander, also 1 Type I hand crew, 2 Type II IA hand crews, 1 strike team Type 6 engines, if available.
Federal:	1 Type 3 wildland engine, 1 Type III helicopter, 1 Type 1 helicopter, large airtankers if ordered.

## 2. Hazard Evaluation

### a. Area Fire History

Month/Year of fire	Ignition point	Ignition source	Acres burned
September 8, 2010	439085 E 4576852 N	Lightning	.10
September 20, 2009	421993 E 4573932 N	Lightning	.10
October 7, 2007	443732 E 4578445 N	Lightning	.10

## Powder Mountain Community Fire Planning

### b. Subdivision rating

The subdivision is rated ~~extreme~~ for wildfire hazard.

(Documentation for this rating is in the Appendix D, Weber adopted WUI code)

### c. Property / Structure Rating

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

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.

For a moderate load of grass-shrub (common to the area) rates of spread with a 6 mph wind on a 40 degree slope will range from 68 to 46 chains per hour (4,488 to 3,036 feet per hour) with flame lengths ranging from 9 to 7 feet.

For moderate loading of shrub( found in the lower drainage areas around the community) rates of spread with a 6 mph wind on a 40 degree slope will range from 19 to 13 chains per hour (1,254 to 858 feet per hour) with flame lengths ranging from 8 to 6 feet.

## Powder Mountain Community Fire Planning

### 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.

#### 1. Fuel Modification Projects

Project(s) (briefly identify)	Timeframe	Person in Charge
Shaded/mosaic fuel break north of Founder's Ridge through the confier/aspen stand in-between the ski runs	Summer 2014	FFSL
Shaded/mosaic fuel break in Lefty's Canyon through the confier/aspen stand in-between the planned ski run	Summer 2015	FFSL
Fuel break in Middle Fork Wildlife Management Area (checker board USFS and DWR property). Downslope of development area.	Summer 2016	DWR

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

Project(s) (briefly identify)	Timeframe	Person in Charge
Structures are adequately identified/addressed	2013-2014	HOA
Road signs will have reflective lettering and dead ends will be adequately identified	2013	HOA
Community hazard/warning siren	2014	HOA
Construct retention pond near village with access for fire apparatus.	2015	HOA

#### 3. Education

Goal(s) (briefly identify)	Timeframe	Person in Charge
New homeowner packet with defensible space information, landscaping and maintenance requirements.	2013-2014	HOA
Annual outreach gathering (can be completed in conjunction with HOA meeting)	Annually	HOA
Ready, Set, Go Program launching and education	2014-2015	Weber Co.

## Powder Mountain Community Fire Planning

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

Goal(s) (briefly identify)	Timeframe	Person in Charge
Meet with Weber County Fire Chief to review emergency notification procedures and expand to meet all above areas.	Spring 2014	HOA
Send information out to homeowners/community members	Summer 2014	HOA

### 5. Monitoring and Evaluation

Goal(s) (briefly identify)	Timeframe	Person in Charge
Review community fire plan and update completed projects or input new treatments	Annually	HOA/FFSL
Review vegetation maintenance schedules and alter as needed	Annually	HOA/FFSL

**Powder Mountain Community Fire Planning**

**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

**Appendices**

**Appendix A: Powder Mountain Maps**

<b>Contents:</b>	Topographical	WUI Designation
	Development Lot Plans	

**Appendix B: Sample Documents**

<b>Contents:</b>	In-Kind Match Tracking Sheet	Landowner Permission Form
	Wildfire Hazard Lot Assessment	

**Appendix C: Contact Lists**

<b>Contents:</b>	Agency Contact List
------------------	---------------------

**Appendix D: Ordinances**

<b>Contents:</b>	WUI Code – Weber County	Fire Pit Code – Weber County
------------------	-------------------------	------------------------------

**Appendix E: Pre- Attack Plan**

<b>Contents:</b>	Pre-Attack Plan	Behave Plus 5.0.5 Data
	Pre-Attack Plan Locations	