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# SANTAQUIN Fire Plan

For the Wildland – Urban Interface

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



**DATE:** \_\_\_\_\_

# SANTAQUIN WILDFIRE PLAN

## 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.

# SANTAQUIN WILDFIRE PLAN

## **Introduction -- Partnerships and Collaboration**

This section describes the community and outlines stakeholders. A Community Fire Council is organized. The Council identifies 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.

**SANTAQUIN WILDFIRE PLAN**

**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:** SANTAQUIN **County:** UTAH

**Primary Contact:** Stephen Olson **Phone:** 801-368-2078

**Secondary Contact:** Roger Beckman **Phone:** 801-330-0432

<b>Section</b>		<b>Completed by Printed Name, Signature</b>	<b>Date</b>
<b>I.</b>	<b>Community Description</b>		
	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		
	<b>Physical Description</b>		
	Access		
	Roads		
	Driveways		
	Structures		
	Bridges, Culverts, Gates		
	Utilities		
	Sewage System		

**SANTAQUIN WILDFIRE PLAN**

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

# SANTAQUIN WILDFIRE PLAN

## 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: \_\_\_\_\_

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

**SANTAQUIN WILDFIRE PLAN**

*Declaration and Concurrence Page, continued*

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

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

# SANTAQUIN WILDFIRE PLAN

## INTRODUCTION

### PARTNERSHIPS AND COLLABORATION

*Santaquin is a community in the high mountain valleys of Utah County. This area is known for agriculture, mountains, canyons, wildlife, and other natural resources. In recent years, Santaquin has experienced an unprecedented period of growth, and in all likelihood, the city will continue to grow. Homes and subdivisions are being constructed at a steady rate, which has expanded our city limits into areas that were once considered wilderness areas. Since many families now live in these wildland-urban interface areas, it has now become essential to develop a community action plan, in order to protect our homes and citizens from the dangers of wildfire spread. By teaming-up with residents, businesses, Utah County, the State of Utah, federal agencies, and other stakeholders, we can create defensible space, improve the urban interface, and provide community education and awareness. Preserving and protecting the livelihood of our residents, businesses, and guests will make Santaquin an even better place in which to live, work, recreate, and visit.*

## 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.*

### 1. Planning Committee Members

Name	Affiliation	Phone Number	E-mail
Stephen Olson	Santaquin Fire/EMS	801-368-2078	solson@santaquin.org
Kirk Hunsaker	Santaquin City, Mayor	801-592-8912	khunsaker@santaquin.org
EJ Fowkes	LDS, Santaquin Utah Stake EM Prep.	801-935-9414	ejfowkes@fowkesfamily.com
Peter Quittner	Utah County Em. Mngr.	801-404-6050	peterq@utahcounty.gov
Doug Schmidt	Resident	801-616-8460	dschmidt692@yahoo.com
Amanda Jeffs	City Council	801-754-1458	amandaj@uccu.com

## SANTAQUIN WILDFIRE PLAN

### 2. Community Legal Structure

Organization	Contact Person	Phone Number	E-mail
Santaquin City, Fire Dept.	Stephen Olson	801-368-2078	
Summit Ridge HOA,	Royce Peterson	801-580-1118	
City Council	Amanda Jeffs	801-755-6448	
Utah County Fire	Kevin Cortez	801-851-4141	

### 3. Population

Provide information regarding the population of the area.

Approximate number of homes: 2550

Approximate number of lots: 5000

Approx. number of commercial entities: 225

Approximate number of full-time residents: 10,000

Approximate number of part-time residents: 1,000

Approx. visitor population during fire season: 500

### 4. Estimated Values at Risk

The estimated values at risk of residential and commercial property in the year 2014 are approximately

\$1.1 Billion.

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### 5. Natural Resources at Risk

Water sources, wildlife habitat, geology, watershed, springs, rivers/creeks, reservoirs.

Agriculture: apple orchards, cherry orchards, peaches, other crops.

Wildlife: mule deer, elk, cougar, black bear, coyote, wild turkeys, raccoons, rabbits, rodents, birds, grouse.  
Domestic animals, livestock, herds/flocks.

Wilderness recreation areas, camping, canyons, hunting areas, conservation areas, mature forests.

### 6. Commercial Entities

Organization	Contact Person	Phone Number	E-mail	Address
Olson's Greenhouse	Bart Olson	801-754-3617		475 W. 500 S,
South Ridge Farms, The Red Barn	Thad Rowley	801-754-5511		901 S. 300 W.
Mountainland Apples	Doug Rowley	801-754-5601		800 S. 300 W.
Cherry Hill Farms	Curtis Rowley	801-754-3969		PO Box 1148
Tischner Ford	Kay Tischner	801-754-3281		118 W, Main St.
Stringham's Hardware	Kurt Stringham	801-754-9000		124 N. SR-198
Maverik	Holly Robb	801-754-3076 307-885-3861		725 E. Main St.
Tire Trax	Kirk Greenhaulgh	801-754-3000		55 S. Highland Dr.
Royal Apples	Bill Ferguson	801-754-5600		550 N. 400 E.
Fast Trax	Kirk Greenhaulgh	801-754-5161		385 E. Main St.
Keith Judd's Pro Service	Chris Judd	801-754-5833		197 W. Main St.
Blue Flame Propane	Rich Martin	801-885-0976		1000 W. Lark Ln
Season's of Santaquin	Richard Porter	801-754-1108		785 E. 150 South.
Other Business see white pages				

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### 7. Formal Associations

Organization	Contact Person	Phone Number	E-mail
LDS Church, North Stake	Kary Larsen	801-995-9262	
LDS Church, Santaquin Stake	EJ Fowkes	801-935-9414	
Santaquin Baptist Church			
Boy Scouts of America			
Senior Citizen's	Carl and Marie Durney		
American Legion Post	Ferrell Bott		
DUP			
CERT			

### 8. Media Support

Organization	Contact Person	Phone Number	E-mail
Payson Chronicle	Mike Olson Denise Olson	801-465-9221 801-367-4905	paysonchronicle@gmail.com
Daily Herald	Candi Higley	801-344-2530	chigley@heraldextra.com
Santaquin City Newsletter	Linda Midgley	801-754-3211	lmidgley@santaquin.org
Facebook: Santaquin City Fire/EMS	Andrea Urban	801-885-9395	readyau@gmail.com
KSL	Newsroom	801-575-6397	
Twitter: @santaquinfire	Andrea Urban	801-885-9395	readyau@gmail.com
Parlant Technologies	Stephen Olson	801-368-2078	solson@santaquin.org
Summit Ridge HOA Newsletter	Sara McConkie	801-955-5126	sara@csshwa.com

## SANTAQUIN WILDFIRE PLAN

### 9. Schools

School	Contact Person	Phone Number	E-mail	Address
Orchard Hills	Rick Wall	801-754-3237 801-362-8117 801-754-3086		
CS Lewis Academy	Kelly Carter Vicki Petersen	801-754-3376 801-358-0866 801-602-3818		
Santaquin Elementary	Chad Argyle	801-754-3611 801-368-4491		
Preschools, various				
Head-Start				

### 10. Transportation

Organization	Contact Person	Phone Number	E-mail
U-DOT/I-15	Gary Steele	801-754-3951 801-887-3700	
Utah County			
Canyon Roads			
Forset Service Roads/Trails	USFS, SF Office	801-798-3571	
UTA, Bus	Customer Service	877-882-0200 888-743-3882	
Union Pacific RR	Dana Pompetti	888-877-7267	
Nebo School Bus	Transportation Dept.	801-465-6005	

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### 11. Private Emergency Services and Equipment

Type of Equipment	Contact Person	Phone Number	E-mail	Address
Greenhaulgh's	Kirk Greenhaulgh	801-754-5323		135 W. 200 N
TNT Construction		801-754-1800		631 N. SR-198
Alexander's	Andy Alexander	801-836-2622		750 S. Center St.
Sunroc	Michelle Griffiths	801-722-2100		1560 Summit Rg pkw

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

Source	Details
Santaquin City, Hillside Zone	City Code 10-7Q-5B: lots must meet firewise guidelines and have lot assessment approved by fire department prior to occupancy.
Summit Ridge HOA	
Firewise Guidelines	Basic defensible space, vegetative clearance, clustering, weed control.

### 13. Insurance Rating

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

**Fire Insurance Rating:** 5-9, per ISO

# SANTAQUIN WILDFIRE PLAN

## 14. PHYSICAL DESCRIPTION

### A. Access

#### i. Directions to community:

- I-15 is the primary artery in and out of the community, with Exit 242 and 244 providing both north & southbound entrances and exits. All seasons travel.
- SR-198 runs from Payson/Spring Lake area from north-east to south-west.
- SR-6 accesses the city from the west, from Goshen valley.
- The Mona Frontage road (Old-Highway 91) makes access to the city from the south as a frontage road to I-15 through the communities of Mona and Rocky Ridge. All seasons travel.
- Mountain Passes: Santaquin Canyon Road FR014 & FR015 provides access in from the Nebo Loop Road down the main Santaquin Canyon. Forest Service gates are closed and locked through winter, spring months. Not passable during winter/spring. Pole Canyon Road provide access to the North Nebo area, Pole Canyon area. Does connect to Mona/Rocky Ridge area via 4-wheel Drive if seasonal conditions allow.
- Numerous County Roads connect the north part of the community through the agricultural/orchard areas. Most of these are passable all year. Primary north county roads are 5200 W., 5600 W., and 5950 W. The Strawberry Highline Canal also traverses the north end of the community. This canal has limited road access along the frontage, is unimproved, not maintained in the winter months, and is almost completely dirt road. The Canal Road does create a man-made fire break, but is not considered an access road for private vehicles.

#### ii. Height Clearance

Bridges and overpasses have clearance height of >13

Most bridges will support 22 ton vehicles minimum.

### B. Roads

- Most road signs are present.
- Road construction is 60% pavement; 20% gravel; and 20% dirt
- Most will only support 1 lane of traffic, at opposing directions
- Some are loop roads. Where looped roads and secondary means of egress/ingress are not established, emergency escape routes shall be provided for. If an escape route is not feasible, a large safety zone will be constructed.
- Some dead-end roads do exist. Of these, most have inadequate turnaround space available at the end of the road for emergency equipment, based on turning radius of 100'.

### C. Driveways

- Most driveways width and height clearance, road grades and vegetation appearance are inadequate for emergency equipment.
- Few driveways are longer than 30 yards.

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iii. Many individual homeowners have posted their name and address.

**D. Structures**

- i. Most are of wood-frame construction.
- ii. Many have wood decks or porches.
- iii. Few have wood shake or shingle roofs.
- iv. Many are visible from the main subdivision road.

**E. Bridges, Gates, Culverts, other**

- i. Some bridges support emergency equipment. (canal 400 E. canyon rd., )
- ii. Some gates provide easy access to emergency equipment. Ekins Property.
- iii. Some culverts are easily crossed by emergency equipment. Pole Canyon. East bench. S. Sewer Lagoons.

**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 both below and above ground.

Provided by: 1) Centracomm 435 427-3331  
2) CenturyLink: 801-237-3006

ii. Electrical service is both below and above ground.

Provided by: Rocky Mountain Power Telephone number: 1-877-508-5088 & 1-888-221-7070

iii. There are homes/structures utilizing propane.

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

Only 25% of these are marked with a flag or by other highly visible means

List locations of those propane tanks above ground:

Blue Flame Propane. 1000 W. Lark Lane Santaquin, UT 84655. 801-885-0976

- iv. Nearly all homes utilize natural gas
- v. Primary water sources

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Approximately 90% of homes use central water system.

Approximately 10% of homes use individual wells.

Approximately <1% of homes have additional private water source.

Water provided by: Santaquin City Public Works Telephone number: 801-754-3211

# SANTAQUIN WILDFIRE PLAN

## PART II: COMMUNITY PRESCRIPTION

### 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.

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

Action(s):	Timeline:	Responsible Party:	Priority:
Individual lot clean up and creation of defensible space within neighborhoods.	On-going	Fire Council/FFSL/FD	High
Roadside Community Clean-up days (Spring/Summer/Fall)	On-going	Fire Council/HOA/FD	High
Frontage/Road right-of-way weed control.	On-going	City/HOA/FD	High
Fire Breaks, Fuel Breaks East Bench, Canyon Rd.	Spring, Summer 2015	FD/City/Fire Council	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:
Perimeter fuel-break will be situated along the south/east border due to heavy fuels and topography – distances TBD	Summer/Fall 2015	Fuels subcommittee/FS/FFSL/FD	High
Canyon Rd, Pole Canyon Rd, camp ground fuel reduction projects.	Fall 2015	Fuels subcommittee/FS/FFSL	Mid
Fuel Reduction projects east of Exit 242, near shooting areas. (State DNR property)	Spring 2016	Fuels subcommittee	Mid

Notes and Updates:

Establish designated shooting area. Identify possible range locations. Post designated firearms locations as well as restrictions.

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

<b>Action(s):</b>	<b>Timeline:</b>	<b>Responsible Party:</b>	<b>Priority:</b>
Address and road signs: Collect 3 bids for metal signs with reflective lettering, 4" lettering.	<i>Fall 2004</i>	<i>Fire Council Committee</i>	<i>Mid</i>
Improve emergency escape routes from Summit Ridge area.	<i>On-going</i>	<i>Fire Council/Summit Ridge Development/FD</i>	<i>High</i>
Satellite Fire Station at Summit Ridge, others.	<i>2018</i>	<i>City/FD</i>	<i>Mid</i>
Recruit/Train additional Wildland FFs.	<i>Spring 2015</i>	<i>FD/Fire Council</i>	<i>High</i>
Organize/Train CERT program Advertise	<i>Fall 2014</i>	<i>FD/Fire Council</i>	<i>High</i>

Notes and Updates:  
Apply for FEPP Equipment.

### ***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>
Conduct community outreach and demonstrate fuels reduction.	<i>On-going</i>	<i>Fire Council/FD</i>	<i>High</i>
Initiate Firewise program and education	<i>On-going</i>	<i>City/Fire Council/FD</i>	<i>High</i>
Initiate Ready, Set, Go! ®	<i>Spring 2015</i>	<i>City/Fire Council/FD</i>	<i>High</i>
Conduct lot/property assessments	<i>On-going</i>	<i>FD/City/County</i>	<i>High</i>

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>
Meet w/ local emergency, county and city planners to develop a pre-attack plan.	<i>Oct. 2014</i>	<i>FD/Fire Council</i>	<i>High</i>
Revise local ERP to EOP.	<i>Winter 2014/2015</i>	<i>FD/City</i>	<i>High</i>

Notes and Updates:

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**Goal:** Community will actively address identified regulative issues impacting community wildfire prevention and response needs.

Action(s):	Timeline:	Responsible Party:	Priority:
Review HOA covenants and restrictions	On-going	<i>Fire Council/FD/Residents</i>	<i>High</i>
Review City & County ordinances	On going	<i>Fire Council/FD/Residents</i>	<i>High</i>

Notes and Updates:

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

Action(s):	Timeline:	Responsible Party:	Priority:
Review and update CWPP	Annually	<i>Community/Fire Council/FD</i>	<i>High</i>

### 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.*

#### **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)
- “Sunset on Tamarisk” pamphlet (Tamarisk Coalition)

##### Landscaping/Building

- “Firewise Plants for Utah Landscapes” Utah Forest Facts newsletter (Utah State University Extension)
- “Firewise Landscaping for Utah” booklet (Utah State University Extension)

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“How to Landscape for Safer Hillside Living” pamphlet (Los Angeles City Fire Department)

### Community Planning

“Community Involvement in Fire Prevention” (Fire Management Notes Vol. 42)

“Community Planning: An Introduction to the Comprehensive Plan” (Kelly, Becker; Island Press)

“County Land Use Planning: How Can Planners Help the Fire Services in Protecting Homes from Wildfire” (USDA Forest Service, General Technical Report INT 251)

“Development Strategies in the Wildland/Urban Interface” (Western Fire Chiefs Association)

“The Greenbelt Concept: Safeguarding Your Community with Planning Buffer Zones” (American Fire Journal)

### Evacuation Planning

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

### Websites

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

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

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

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

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

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

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

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

U.S. Department of Agriculture “How to Get Information” (contacts) – <http://www.usda.gov/news/howto/nre.htm>

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

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

USFA Fire-Safe Landscaping Can Save Your Home –

[http://www.usfa.dhs.gov/citizens/all\\_citizens/home\\_fire\\_prev/rural/landscape.shtm](http://www.usfa.dhs.gov/citizens/all_citizens/home_fire_prev/rural/landscape.shtm)

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

How to protect your Home from Wildfire - [http://burnsafetn.org/25tips\\_home.html](http://burnsafetn.org/25tips_home.html)

<http://www.firewords.net/>

<http://jawfonline.org/>

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

<http://www.stateforesters.org/>

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

<a href="http://www.utahfireinfo.gov">http://www.utahfireinfo.gov</a>

**SANTAQUIN WILDFIRE PLAN**

**PART IV:  
TECHNICAL ASSESSMENTS**

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

**INSTRUCTIONS**

**A. Community Description**

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

**1. Physical Description**

**a. Area**

Legal description:

Salt Lake City Baseline & Meridian. Township 9 south; Range 1 east; Sec. 35, 36. Township 9 south; Range 2 east Sec 31. Township 10 south; Range 1 east; Sec. 1, 2, 3, 10, 11, 12, 13, 14, 15, 22, 23, 24. Township 10 south; Range 2 east; Sec. 5, 6, 7, 8, 18, 19, 20, 21, 27, 28, 29, 30, 31, 32, 33, 34, 35.

**b. Topography and Vegetation**

Slope

Average   3   %      Range 1 % to 8 %

Aspect (predominate) North

Describe the vegetation in the area:

Trees: gamble oak, scrub oak, juniper, pinyon pine, white pine, box elder trees, quacking aspen.

Grasses: cheat grass, rye grass, tumble weeds.

Brush: sand sage, big sage, mahogany.

## SANTAQUIN WILDFIRE PLAN

c. **Water Supply: See attached.**

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

Type: Pond / Creek	Location / GPS Coordinates	Status: Permanent / Intermittent	Helicopter Access?	Pump Required?	# Gallons or CFS*
Creek	Summit Creek, Santaquin Canyon				
Pond	Pole Canyon Recreation Park				
Reservoir	Summit Creek Irrigation				

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

**Hydrants: See attached booklet.**

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.)

Location	Access	# of gallons	Responsible Entity	Phone / E-mail
Zone 11W Tank	Summit Ridge	1.14 (MG)	SQ City	801-754-3211
Zone 12 E Tank	East Bench	1.04 (MG)	SQ City	“
Zone 10 E Tank	Canyon RD	0.49 (MG)	SQ City	“
Zone 11 E Tank	South 400 E.	1.09 (MG)	SQ City	“

## SANTAQUIN WILDFIRE PLAN

### d. Emergency Services / Equipment Capabilities

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

911 Services:	Evaluate mutual aid agreements. Payson, Rocky Ridge (Juab), Genola. Goshen, Utah County. Consider automatic aid. Brush trucks, Tenders, Structure protection engines.
Local:	Working toward pre-attack plan with Station 141 resources.
County:	Utah County Fire: Type-II handcrew, HB-engines, Tatra, Squad, Type-6 Engines.
State:	Type-6 Engine staffed and assigned to Utah County (from State). Training engine. Lone Peak IHC [Two type-I handcrews]. One Type-II IA crew, Two Type-3 Engines.
Federal:	USFS Engine out of Payson and Pleasant Grove. Squad out of Payson. BLM: Vernon station: Type-4 & Type-6 engine. BLM helicopter station in Tooele, Type-III. USFS helicopter: One Type-2, 2 Type-3 stationed out of Mt. Green.

## 2. Hazard Evaluation

### a. Area Fire History

Month/Year of fire	Ignition point	Ignition source	Acres burned
8/2001		Undetermined	The whole Mt.
8/2013		Lightning	75 acres
AVERAGE Brush fires annually		Various: lightning, fireworks, motor-vehicle use.	

### b. Subdivision rating

Santaquin is rated severe for wildfire hazard; receiving 7 out of 12 on the Communities at Risk Assessment 2013.

(See attached) WUI Code reference.

### c. Property / Structure Rating

All lots will be evaluated for wildfire hazard, as arranged by the Fire Council with fire officials and as permitted by the owners. The *estimated* time of completion for all evaluations is November 2016.

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



# SANTAQUIN WILDFIRE PLAN

## INSTRUCTIONS

### B. Community Prescription

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

#### 1. Fuel Modification Projects

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

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

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

#### 3. Education

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

# SANTAQUIN WILDFIRE PLAN

## 4. Wildfire Response / Pre-Attack Plan

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

- Emergency notification procedures and list
- Fire protection responsibilities and resources among agencies *if not obvious* (private, state, federal lands; response times)
- Command responsibilities associated with initial attack and extended attack.
- If possible* pre-determined locations for...
  - Command Post
  - Staging Areas
  - Safety Zones
  - Helibase / Helispots
- If appropriate* factors in determining evacuation vs. shelter-in-place
- Traffic Control
- Briefing of personnel on safety and hazards
- Information on Mitigation work maps/coordinates
- If possible* determine initial resource needs (aircraft, mechanized, hand crews, water / chemical delivery systems)
- Fuel types with maps
- Topography maps
- Hazards of any kind - maps/coordinates (for example: gas/electric transmission lines, water, sewer/septic, roads, soil stability, trees, weeds, animals, etc.)
- Water Resource Locations - maps and coordinates (hydrants, streams, ponds, swimming pools, etc.)
- Local weather factors
- Anything else that would help IC and his group with a wildfire in the area.

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

## 5. Monitoring and Evaluation

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

# SANTAQUIN WILDFIRE PLAN

## APPENDIX

### INSTRUCTIONS

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

- Contact Lists
- Assessment Project Worksheets
- Maps
- Homeowner Checklists
- Examples / Sample documents
- Glossary

### SAMPLE

#### Appendix A – Contact Lists

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

#### Appendix B - Maps

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

#### Appendix C – Assessments / Worksheets

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

#### Appendix D – Checklists / Homeowner Information

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

#### Appendix E – Other

Wildfire Glossary  
Sample County Fire Ordinances

#### Appendix F – Pre-Attack Plan

**SANTAQUIN WILDFIRE PLAN**

**Appendices**

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**Contents:**


**Appendix B:**

**Contents:**


**Appendix C:**

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**Appendix D:**

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**Appendix E:**

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