# Community Wildfire Protection Plan Analysis

**January 2013**

**Final Report**

**Prepared for:**

The Institute for the Sustainable Environment at the University of Oregon

**Prepared by:**

**Oregon Partnership for Disaster Resilience**

A Program of the Community Service Center
at the University of Oregon

UNIVERSITY OF OREGON

I.S.E. Institute for a Sustainable Environment

PARTNERSHIP FOR DISASTER RESILIENCE
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CSC Community Service Center

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### Photo Credit

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# About the Community Service Center

The Community Service Center (CSC), a research center affiliated with the Department of Planning, Public Policy, and Management at the University of Oregon, is an interdisciplinary organization that assists Oregon communities by providing planning and technical assistance to help solve local issues and improve the quality of life for Oregon residents. The role of the CSC is to link the skills, expertise, and innovation of higher education with the transportation, economic development, and environmental needs of communities and regions in the State of Oregon, thereby providing service to Oregon and learning opportunities to the students involved.

## About the OPDR

The Oregon Partnership for Disaster Resilience utilizes a service learning model to provide natural hazard planning assistance to communities throughout Oregon. Our program demonstrates how increased communication, coordination and collaboration between diverse partners can assist communities in reducing their risk from natural hazards.

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# Chapter 1: Introduction

Amidst increased severity of wildfires throughout the American West, the need for improved preparedness and more robust mitigation strategies for communities in the Wildland Urban Interface have become imperative. The Institute for the Sustainable Environment partnered with Community Service Center to better understand the relationship between wildfire mitigation planning process and outcomes of Community Wildfire Protection Plans in communities throughout the American West. The Healthy Forest Restoration Act of 2003 established a mandate for communities to prepare for wildfire events, the planning of which can be interpreted through Community Wildfire Protection Plans (CWPPs).

With only a short list of requirements, Community Wildfire Protection Plans produced out of National Fire Plan Title III funding grants and other funding resources took many different forms. The Community Service Center at the University of Oregon qualitatively analyzed a set of these plans from geographies affected by fire since 2004. In conjunction with further research regarding the longer-term implications of fire on the safety and well-being of at-risk communities, this analysis seeks to provide an objective measurement of CWPPs, not only for more comprehensive understanding of the documents themselves, but to provide a tool that may be complemented by further case study research.

## Guiding Documents

To pursue a consistent, qualitative evaluation of CWPPs, CSC utilized the following resources to inform development of the survey instrument:

1. Healthy Forest Restoration Act of 2003. 16 USC Chapter 84
2. *NFPA 1600:* Standard on Disaster/Emergency Management and Business Continuity Programs, 2010 Edition.
3. *Preparing a Community Wildfire Protection Plan: A Handbook for Wildland-Urban Interface Communities*, March 2004. Sponsored by Communities Committee, Society of American Foresters, National Association of Counties, and National Association of State Foresters.

# General Observations

Many of the CWPPs exhibited similar characteristics beyond the requirements of the Healthy Forest Restoration Act requirements. The most common themes included:

- An understanding about land cover and historical fire
- Maps and other documentation of the most likely geographic areas to catch fire
- Existing available resources
- Common treatments available to residents, and
- Augmentation of public and private funding resources

Few of the plans provided in-depth documentation of:

- Implementation strategies
- Fire emergency response protocol, such as chain of command or procedures for residents

Generally, public engagement activities revolved more around awareness of fire risks than around input of local knowledge from resident stakeholders. When events were indicated in the plan, documentation was generally poor. Plans left much of the logistical detail up to local actors and avoided specific details regarding timeliness of recommended treatments, and/or the capital required for such treatments, both physical and otherwise.

# Chapter 2: Methodology

This study assesses the extent to which CWPPs address required elements of the Healthy Forest Restoration Act. In addition, the study evaluates CWPPs against the Program Management and Program Elements criteria contained in National Fire Protection Agency's Standard on Disaster/Emergency Management and Business Continuity Program, NFPA 1600. The Community Service Center (CSC) at the University of Oregon managed a team of graduate students who acquired, reviewed, and scored the plans.

## Approach

CSC developed a plan review and scoring protocol intended to analyze pertinent aspects of wildfire plans, specifically identifying policy elements highlighted by key emergency management and strategic planning policy resources. With a focus on the economic and social impacts of wildfire, guiding documents listed in Chapter 1 provided a basis for elements and information that a strong CWPP would contain. Because CWPPs create a specific category of disaster and emergency management planning beyond typical or existing all-hazards plans, CSC reviewed details regarding preparedness, response, recovery, and mitigation. To the same end, the extent to which these phases were effectively communicated per recommendation of each guiding document is implicit in CSC's scoring protocol. CSC also perceived the planning process to be important in the creation of many jurisdiction's first CWPP, therefore those plans with higher level of detail regarding process and documentation of strategic planning elements registered higher amounts of data in the scoring protocol.

## Sample

CSC project team members coded a total of 175 Community Wildfire Protection Plans. This number reflects both most recent CWPPs for selected geographic areas and subsequent update documents. The CWPP selection process is outlined further below.

### CWPP Selection

The CSC started with the Institute for a Sustainable Environment's dataset of major wildfires in Western states from 2004 to 2011. The geographic extent of each fire informed the collection of Community Wildfire Protection Plans. Specifically, CSC researched planning areas to collect any CWPP document covering County and sub-county areas (such as cities, towns, and communities) directly affected by fire since 2004 (See Appendix B for complete selection methodology). CSC identified a final set of 175 CWPPs and updates, covering communities identified as having been directly affected by a major wildfire since 2004.[1]

CSC collected the most recent full CWPP, along with any available update documents. Nearly all CWPPs CSC analyzed can be found, in digital form, on the Internet or through library resources

[1] CWPPs are not available in digital form from communities within the State of Wyoming. Despite several attempts to procure the nine known CWPPs from Wyoming jurisdictions, none were analyzed for this report.

at the University of Oregon Library system. Those plans unavailable through digital resources were requested via email and/or telephone request. The CSC project manager followed-up unfilled email requests by phone. If digitally available, evaluation of a CWPP did not include any contact with the local jurisdiction involved in writing or compiling the plan.

Community Wildfire Protection Plans (CWPPs) generally follow a pattern of establishing and updating the full CWPP approximately every five years, with minor interim "updates" used to track progress. Full plans tend to include sections pertaining to background information and risk assessment; strategic planning headings such as a vision, goals, and objectives are often included as well. In some cases a CWPP draws material from other plans, but will often reiterate/reference the majority of material required by the Healthy Forest Restoration Act (HFRA) and other Fire-related planning norms. No plan that CSC scored had more than one update available. In some cases publicly-available CWPPs did not include all attachments and/or appendices. Where possible, CSC researched via Internet further to find figures, maps, and other attachments. A key finding was that many of these CWPP elements are not publicly available on the Internet.

# Scoring Protocol Development and Administration

CSC worked closely with the Institute for the Sustainable Environment to develop the plan review and scoring protocol. Through an iterative process, CSC developed a set of questions to inform the scoring protocol. Planning resources and review of several CWPPs informed the instrument to achieve a flow and structure that would best capture the policy and planning characteristics of each CWPP in the final set. These iterations resulted in refinements to the scoring protocol.

To streamline the data collection process, the CSC utilized the online survey vendor Qualtrics allowing CSC to systematically analyze qualitative details. The data collection instrument consisted of the following six sections (See Appendix C for a copy of the survey instrument in its entirety):

- Metadata
- Integration
- Planning Process
- Risk Assessment
- Plan Content
- Implementation

CSC assembled a team of graduate student researchers for the purpose of executing the coding process. In the interest of minimizing variation between researchers, this core team of four coders went through several rounds of training whereby each researcher analyzed the same CWPP. After performing this "overlap" method of CWPP analysis, the group convened several times to discuss areas of discrepancy to determine the source of any errors that arose.

The CSC project manager made adjustments to the scoring protocol in the interest of minimizing deviation or bias, and researchers paralleled their responses with the help of term definitions and direct guidance by the Project Manager. The Project Manager documented all decision-making structures for each survey question (see Appendix D). Field testing concluded upon

elimination of discrepancies from a randomly selected sample of CWPPs. The Project Manager randomized the set of CWPPs and assigned sets of ten to each team members to code. Over a period of three months each team member coded approximately 40 plans.

# Quality Assurance

CSC monitored initial quality assurance of answers through the previously mentioned streamlining process. As team members worked through the sample of "overlapping" plans, instructions and discussion followed each answer of significant discrepancy, in the interest of assuring a parallel thought process. Inferring or interpreting any information beyond that which is present in the text of the CWPP document was strongly discouraged.

## Approach

Upon completion of the coding process, the CSC Project Manager proceeded with a systematic quality assurance method, as follows:

- The Project Manager reviewed every 10$^{th}$ plan review, controlling for coders. She fully reviewed a total of 17 plans (10%) for consistency and accuracy.
- At least four plans were reviewed from each coder.
- If the Project Manager identified discrepancies between her response and the coder's entered answer, the Project Manager flagged this entry in the master database.
- The Project Manager evaluated the master data based for systematic discrepancies and identified particular questions as having significant deviation from the opinion of the Project Manager.
- Upon discussion between the Project Manager and the Principals only one issue arose.
- Collectively, the Principal Investigators and the Project Manager developed strategies for amelioration Strategies included re-reviewing specific elements (i.e. questions, sections).
- The Project Manager took steps to document those issues which could not be resolved in the process of coding.

## Result

Quality assurance procedures described above produced patterns/inconsistencies documented in Appendix D.

# Limitations

Community Wildfire Protection Plans are not required to follow a prescribed format or address specific headings beyond high-level requirements. As a result, CWPPs take many forms, in terms of length, level of detail, and content, presenting a myriad of challenges to systematic evaluation. CSC made concerted efforts to assure the integrity of this CWPP assessment, however the variety of styles, formats, details included, and/or concepts addressed by individual plans limited systematic analysis predominately to qualitative evaluation.

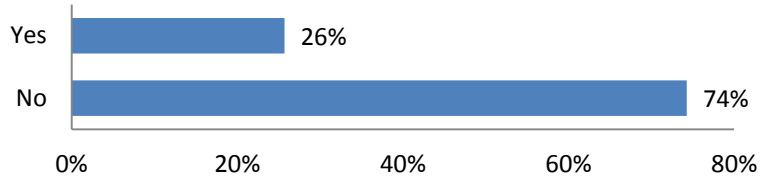
Community Wildfire Protection Plans have not been studied in depth, at this scale, by academia to date. Without precedent studies to refer to, this effort presents a methodology based on best practices in the realm of policy analysis.

# Chapter 3: Findings

This chapter presents the findings of CSC's plan review. It is organized in the order of questions on the scoring tool. The tool analyzed metadata, relationships to other planning efforts, plan process, plan content, and implementation. Each figure represents the outcome of a multiple choice question.

Many responses to this scoring tool required recording text in the category "Other." For clarity, CSC categorized these text responses into tables, found beneath their applicable question. Those responses that did not fit into either the multiple choice response categories, nor those categories developed in data analysis, are listed below their applicable question and table. Results correspond with numbering as questions appear in the scoring tool. Some numbers have been omitted where instructions were provided to researchers (For complete scoring tool, see Appendix C).

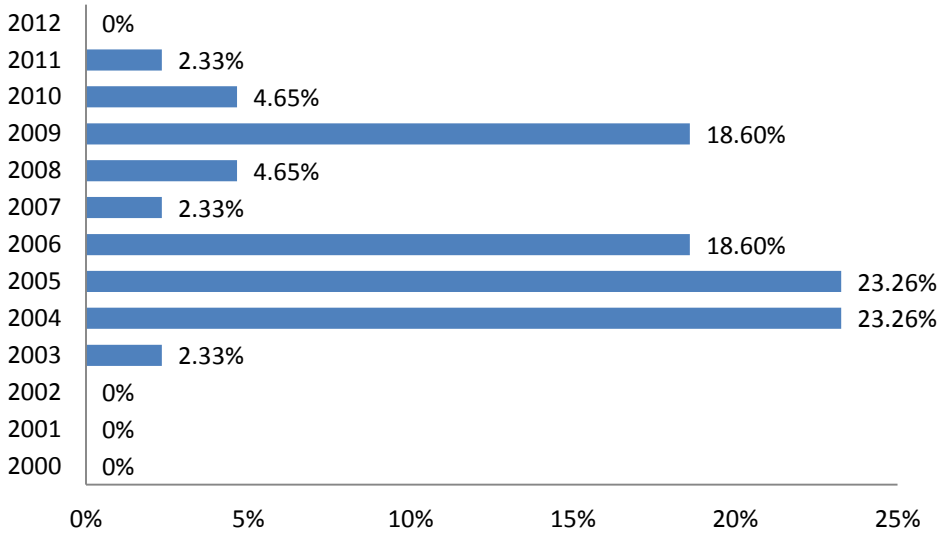
## Q1.5 Is this plan an update?




## Q1.7 How many updates have been made to the plan?

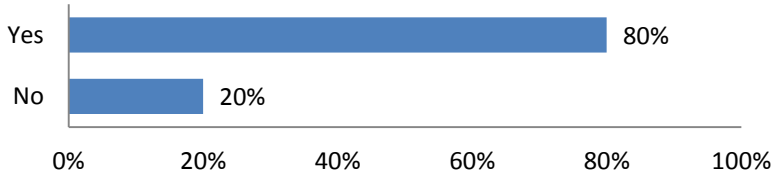
Of the plans that indicated updates had been made, 7% of those plans did not indicate how many updates have been made to that CWPP. The average number of updates made to affirmatively updated plans is 1.61.

## Q1.8 When was the last update made?

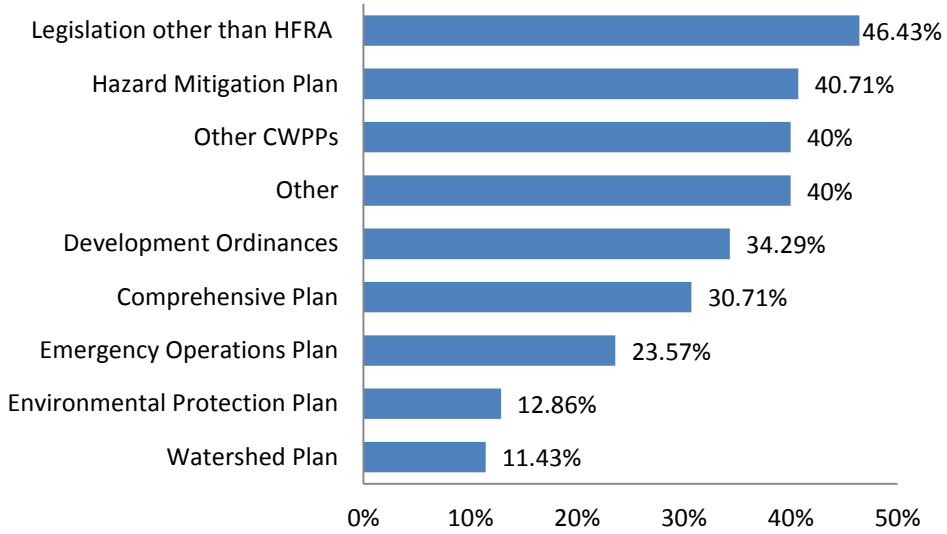


# Plan Integration

## Q2.2 Does the plan call out existing community plans?




## Q2.3 Indicate the types of plans or initiatives referenced in this CWPP (check all that apply):




**Other**

| | |
|---|---|
| National Fire Plan | 42% |
| 10 Year Comprehensive Strategy | 25% |
| State Plan | 19% |
| County Plan | 15% |

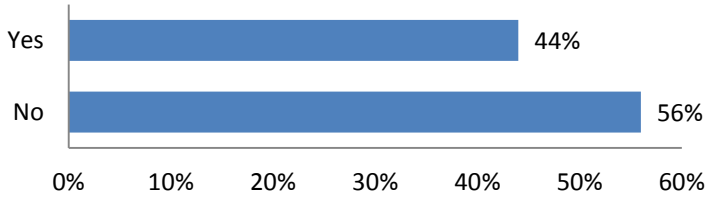
Note: The above chart represents information categorized from "other" responses. This chart represents entries that are not listed below.

- Protecting People and Natural Resources - A Cohesive Fuels Treatment Strategy,
- GIS Inventory
- Economic Development Plans
- Field Guidance for Identifying and Prioritizing Communities at Risk
- Draft Community Wildland Fire Assessment for Existing and Planned Wildland Residential Interface Developments
- Resource Management Plan
- 2002 Community Fire Plan,

- San Juan Public Lands Center's "A 10-Year Strategy to Reduce Fuels and Restore Watersheds
- Water Management Plan
- 2007 Communities at Risk
- Nevada Community Wildfire Risk/Hazard Assessment Project for Nye County,
- BLM Resource Management Plan,
- Emergency Operations Plan
- Salmon Recovery Plan, Sub-basin Plan
- Fire District Management Plan
- Master Agreement and Operating Plan (between Federal Wildland Fire agencies/States of OR & WA)
- Fire Plans and Assessments
- Fire Plans and Assessments
- Fire Protection Agreement Operating Plan
- Landscape Fire and Resource Management Planning Tools Project
- US Bureau of Reclamation Cachuma Lake Management Plan,
- UCSB Sedgewick Reserve Fire/Vegetation Management Plan,
- Fire Department Strategic Plans,
- US Forest Service Land Management Plan,
- US Forest Service Operating Agreement,
- Bureau of Land Management Operating Agreement,
- Local Fire Agreements (mutual aid)
- Resource Management Plan
- Lassen National Forest Land and Resource Management Plan,
- Lassen National Forest Fire Management Plan,
- Bureau of Land Management Redding Resource Management Plan,
- Bureau of Land Management Redding Field Office Fire Plan,
- United States Fish and Wildlife Service Fire Planning Policies,
- 2001 Red Bluff Field Office Fire Management Plan,
- Sacramento River National Wildlife Refuge Complex Fire Management Plan
- Protecting People and Natural Resources - A Cohesive Fuels Treatment Strategy,
- Federal Wildland Fire Management Policy and Program Review,
- Managing the Impact of Wildfires on Communities and the Environment,
- Review and Update of the 1995 Federal Wildland Fire Management Policy,
- Fire Prevention and Control Plan(s),
- Blackfoot/Clearwater Fuels Mitigation Plan,
- Fire Plans
- Healthy Forest Initiative,
- Fire Plans
- Western National Forest A Cohesive Strategy,
- 2007 Communities at Risk
- Fire, Defensible Space, and Youth
- Fire Safety and Fuels Reduction Program Overview
- Resource Management Plan
- USDA Forest Service Plan,
- Mission Canyon Fire Plan - Version 5,

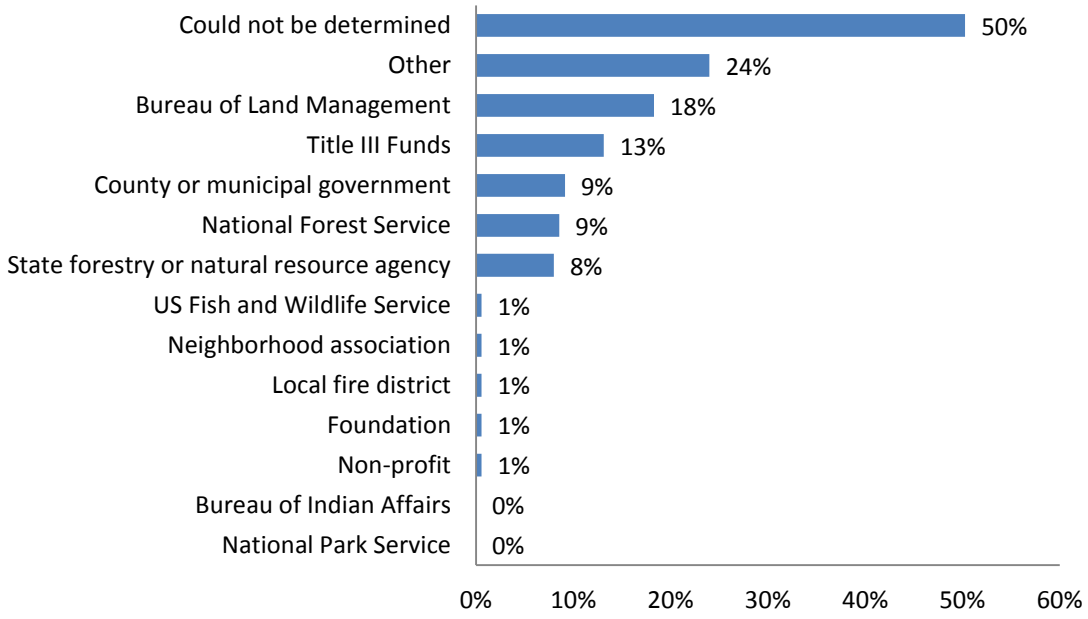
- Sierra Nevada Conservation and Wildfire Protection Plan Guidebook
- Draft Community Wildland Fire Assessment For Existing and Planned Wildland Residential Interface Developments in Nevada
- Regional Fuel Management Plan
- LAFCO Municipal Service Review and Sphere of Influence
- Evacuation Plans,

### Q2.4 Is the CWPP clearly integrated into another planning process or document?




# Plan Development

### Q3.2 Please indicate which organizations provided funding for this CWPP: (check all that apply)



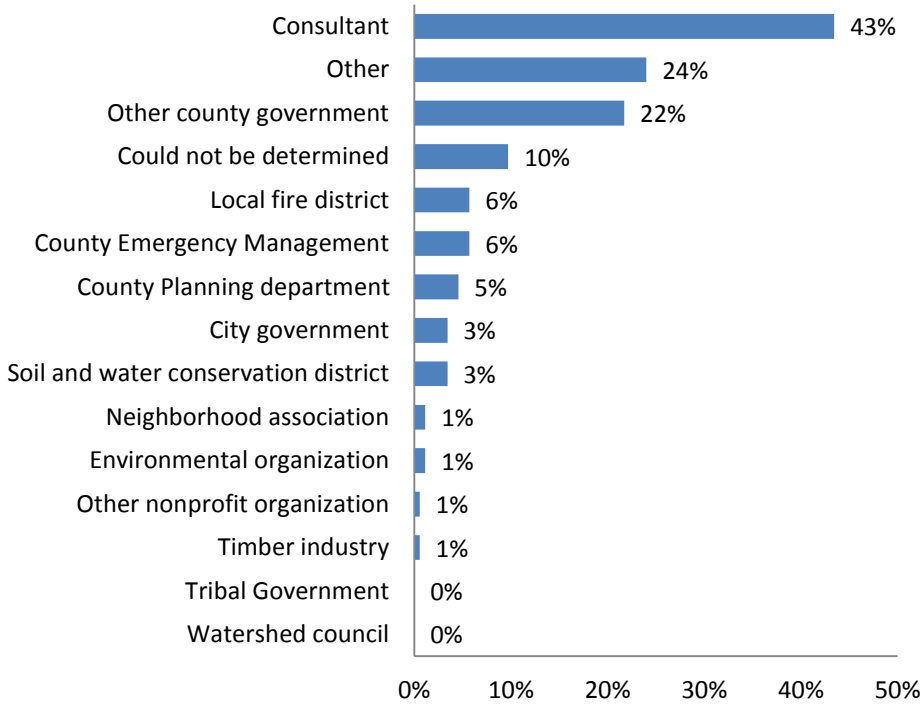
**Other Funders**

| Originator | Number | Percent |
|---|---|---|
| National | 17 | 53% |
| State | 13 | 41% |
| County | 2 | 6% |

Note: The above chart represents information categorized from “other” responses.
This chart represents re-categorized entries that are not listed below.

- Western States Fire Mitigation Grant
- State Farm Insurance
- Southern Oregon Timber Industries Assoc.
- Plum Creek Timber Company
- Northwest Regional Resource Conservation and Development Council
- Northwest Montana Resource Conservation & Development (USDA)
- Local fire council
- Headwaters RC&D Area, Inc. Economic Development District
- Forest Conservation Group and Fire Advisory Council
- Firewise Council
- Fire Safe Council
- Coalition for the Upper South Platte,
- City Governments
- Boulder River Watershed Fuels Committee
- 2003 Western States Wildland Interface Grant Program
- Beulah Wildfire Mitigation Council
- "Other Agencies"

## Q3.3 This CWPP was prepared by: (check all that apply)




**Other county government**

- County Committee
- Custer County Advisory Committee
- Interagency Planning Group
- Lincoln County Commissioners
- Owyhee County Wildland-Urban Interface Wildfire Mitigation Plan Committee
- County Fire Warden
- County Working Group
- Santa Cruz County,
- Resource Conservation District for San Mateo County
- Santa Barbara County Board of Supervisors
- Fire Defense Board
- County Working Group
- Five County Association of Governments
- Color Country Interagency Fire Center
- Boulder County Board of Commissioners
- County Land Use Department
- Boulder County parks and Open Space Department
- County Fire and Rescue,
- Boulder County Transportation Department
- County Sheriff's office
- Park County Fire Warden's Office
- Lake County Fire Safe Council

- County CWPP Commission
- Steering Committee
- Sierra County Community Wildfire Protection Plan Team
- County Fire Protection Districts
- Lincoln County Wildland Urban Interface Wildfire Mitigation Plan Committee
- Park County Wildfire Coalition
- County Commissioner
- Lincoln County Community fire Plan Steering Committee
- Fire Safe Council
- Twin Falls County Fire Working Group
- Mid-Snake Resource Conservation and Development
- Fire Safe Council
- Kalamath County Fire Defense Board
- CWPP Steering Committee
- Montrose County Core Stakeholder Group
- Department of Public Safety
- YCWPP Oversight Committee
- Elmore County Wildland-Urban Interface Wildfire Mitigation Plan Committee
- Lassen County Department of Community Development
- Minidoka County Wildland-Urban Interface Wildfire Mitigation Plan Committee
- County Wide Fire Protection Working Group
- No specification
- Commission of each county
- Elmore County Wildland-Urban Interface Wildfire Mitigation Plan Committee
- County Commission
- Fire Safe Council of Siskiyou County
- CalFire San Luis Obispo County
- Cassia County Fire Mitigation Plan Team
- Minidoka County Fire Mitigation Plan Team
- Santa Barbara County Fire Department
- CWPP Core Group

**Other nonprofit organization**

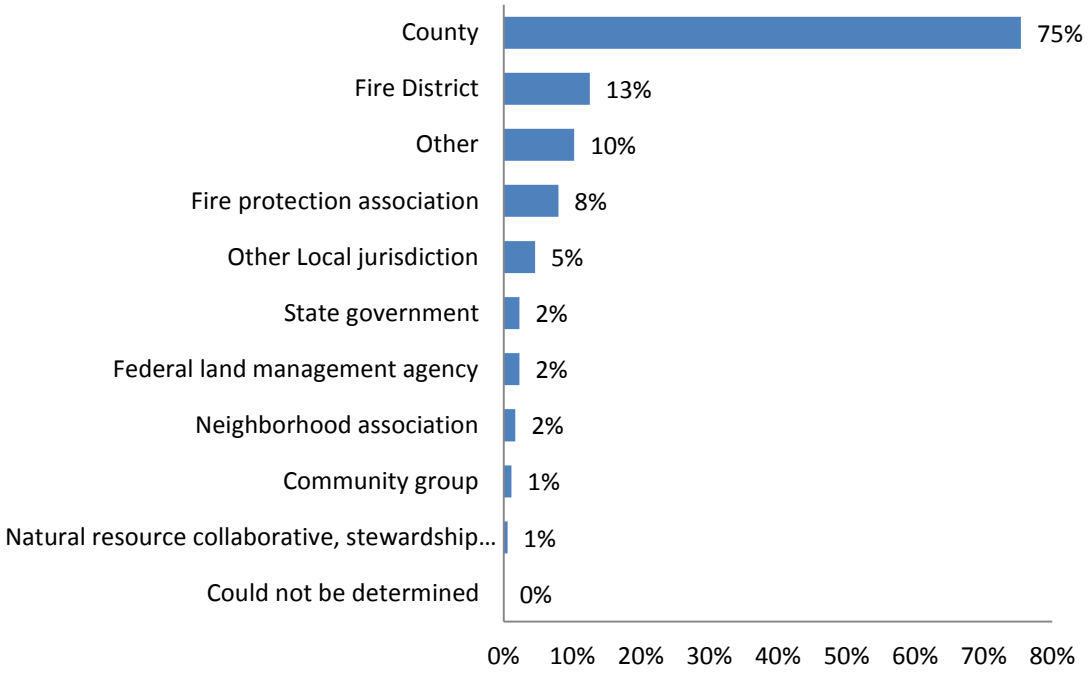
- Applegate Partnership

**Other**

- Tri-County Fire Working Group
- Headwaters RC&D Area, Inc. (City and County, and Conservation Districts)
- Firewise Council
- Fire Safe Council
- Mill Creek Canyon Fire Safe Council
- CalFire San Mateo - Santa Cruz unit
- Community Action Group
- Fire Safe Council
- Local fire department

- Oregon Department of Forestry
- Forest Conservation Group and Fire Advisory Council
- CWPP Steering Group
- James H. Hulbert
- San Diego Fire Safe Council
- Resource Conservation District of Greater San Diego County
- County Fire Working Group
- Fire Safe Council
- Bitter Root Resource Conservation and Development Area Inc
- Program for Watershed and Community Health (UO Institute for the Sustainable Environment)
- Elkhorn Fire and Fuels Management
- Bitter Root Resource Conservation and Development Area Inc
- University of Oregon
- Landowners
- Lemhi County Wildland Fire Interagency Group
- Tehama County Resource Conservation District
- Fire District , Fire Chief Association
- Fire Safe Council
- Monterey Fire Safe Council
- fire districts
- U.S. Forest Service
- United States Forest Service
- Ojai Valley Fire Safe Council
- Fire Safe Council
- Arrowhead Communities Fire Safe Council
- Lake Hodges FireSafe Council
- Homeowners in WUI
- Oregon Dept Forestry
- National Forest
- Area 9 Fire Defense
- Fire Safe Council
- Lassen County Fire Safe Council Inc
- State Forestry
- NM State Forestry

## Q3.4 This CWPP was prepared for:



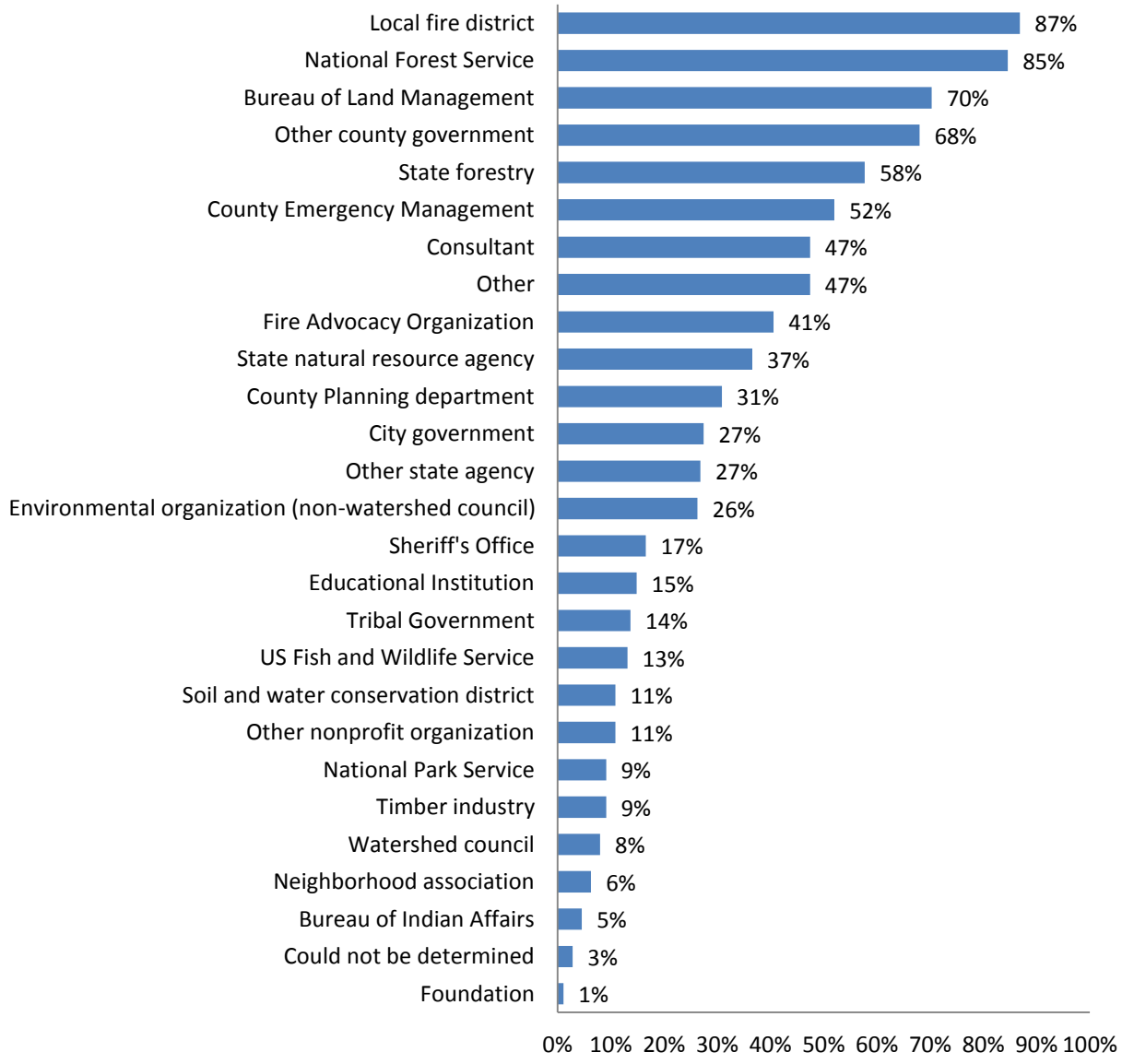

**Other Local jurisdiction**

- City of Foresta
- Community of Ramona
- City
- Sonoita-Elgin Area
- City
- Municipality
- City/town
- City

**Other**

- Transportation Corridor
- Claunch-Pinto Soil and Water Conservation District
- Mill Creek Canyon communities
- Nevada Fire Safe Council
- Community of Mission Canyon
- Nevada Fire Safe Council
- Greater Lake Hodges area
- Region (5 County district)
- Nevada Fire Safe Council
- Regional Area
- Region, several counties
- Mill Creek Watershed
- Nevada Fire Board
- Tulare County Resource Conservation District, Sierra Nevada Conservancy
- Nevada Fire Board c/o BLM
- Applegate Watershed
- Tribal lands
- Nevada Fire Board c/o BLM

## Q3.5 Please indicate each unique organization that participated in developing/updating the plan: (check all that apply)




| Other State | % | Number |
|---|---|---|
| Transportation | 13% | 9 |
| Security/Law Enforcement | 12% | 8 |
| Fire/Emergency Services | 29% | 20 |
| Environmental Quality | 7% | 5 |
| Fish & Wildlife | 9% | 6 |
| Not Categorized | 29% | 20 |
| TOTAL ENTRIES | 100% | 68 |

Note: The above chart represents information categorized from "other" responses.
This chart represents re-categorized entries that are not listed below.

## Other State Entities

- Employment
- State Park District
- Parks and Recreation,
- Idaho Department of Lands
- Nevada State Parks
- Idaho Department of Lands,
- California Department of Forestry and Fire Protection
- State Parks Division
- Department of Wildlife,
- Congressman Dean Heller's office,
- Bureau of Reclamation,
- State Land Office
- Idaho Department of Lands
- State Parks Division
- Parks & Recreation,
- Parks
- Parks and Recreation,
- State Department of Lands,
- State Parks Division,
- State Land Office

| Other County | % | Number |
|---|---|---|
| Supervisors | 12% | 12 |
| Commissioner | 31% | 31 |
| GIS | 2% | 2 |
| Fire | 11% | 11 |
| Public Works | 6% | 6 |
| Not Categorized | 37% | 37 |
| TOTAL ENTRIES | 100% | 99 |

Note: The above chart represents information categorized from "other" responses. This chart represents re-categorized entries that are not listed below.

## Other County Entities

- Nevada Association of Counties
- Chamber of Commerce
- Cassia County Public Lands
- Assessor,
- County of San Diego Land Use and Environment Group,
- Farm Bureau
- Public Health,
- Judge,
- Assessor
- Lassen County Department of Community Development
- County of Santa Barbara
- Weed Control,
- LEPC
- Judge,
- Mariposa County Highway Department
- assessor
- Parks & Forest
- county judge,
- county departments,
- Idaho County Highway Districts
- Parks and Leisure,
- Farm Bureau
- Lemhi County LEPC,
- Assessor,
- Parks and Recreation
- Nevada's counties
- Air quality,
- Weed management,
- County Road Department,

- County Environmental committee
- County Wide Fire Protection Working Group
- Tri-County Resource Advisory Committee
- Local Emergency Management Committee
- San Mateo Resource Conservation District,
- Resource Conservation District of Santa Cruz
- Nevada Association of Counties

| Other Entries | % | Number |
|---|---|---|
| RC&D | 12% | 26 |
| Conservation Agency | 4% | 9 |
| Utility | 11% | 24 |
| Emergency Management/Recovery | 20% | 42 |
| Education | 3% | 6 |
| Not Categorized | 49% | 104 |
| TOTAL ENTRIES | 100% | 211 |

Note: The above chart represents information categorized from "other" responses.
This chart represents entries that are not listed below.

## Other Entries

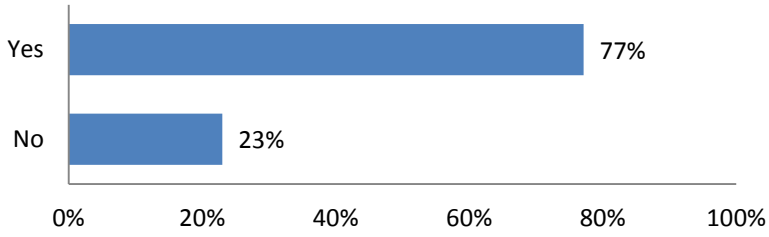
- LV community development org.
- Catalina/Golder ranch village council
- National forest protective alliance
- Applegate partnership,
- Mountain C.A.R.E
- Memorial foundation
- Silver valley economic development corporation
- Homeowner's associations
- Applegate partnership
- County community action agency,
- Fire safe council of Siskiyou county,
- Plum creek timber company,
- Lincoln county fire chief and insurance representative,
- Lincoln county board of realtors,
- California highway patrol,
- Neighborhood associations, home owners associations, cert groups.
- Local fire department,
- Local fire department,
- Mission canyon association
- Santa Barbara botanic garden
- Bureau of reclamation
- Veterans affairs
- Airport
- Hospitals
- Local businesses
- City emergency services
- City police
- Navajo county cooperative extension
- White mountain apache tribe
- Fort Apache Agency Bureau Of Indian Affairs
- U.s. military
- Sierra county realtors association
- Local fire department
- Chili land grant
- Manzano land grant
- Mountainair ranger district
- Torreon land grant
- Heritage preserve
- Los Humanas
- Utah national guard,
- Wasatch front regional council
- Bear river association of governments

- Bureau of reclamation
- EPA
- Stanford-Vina Irrigation co.
- Nevada association of counties
- Local business
- Homeowner's Association
- Town councils,
- Home owners
- Quail glen neighborhood volunteers
- Fire department
- County of San Diego Land Use and Environment Group
- California chaparral institute
- Ranchers, farmers
- Local businesses
- Lassen county fire safe council inc,
- USDA natural resources conservation service,
- Susanville Indian Rancheria,
- Sierra pacific industries
- U.S. Navy
- Bureau of reclamation
- Knife river construction
- Local Businesses
- local businesses
- Contractors
- Bureau of Homeland Security
- private contractors
- Local Businesses
- National Fire Plan
- State Farm Insurance
- Local Business
- Nevada Association of Counties
- Border Patrol
- National Weather Service
- Nevada Association of Counties
- local businesses and citizens
- Local Businesses
- South Idaho Press
- Private Ranch
- Mayor of various cities,
- Citizens
- Contractors
- Local businesses
- Homeowners,
- Economic development corporation
- Local businesses
- DOD navy
- Oregon national guard
- Grazing association
- Boulder river fuels committee
- City of Walla Walla
- Farm bureau
- ERS
- San Diego county land use and environmental group
- Local businesses
- National marine fisheries service,
- Chili land grant
- Manzano land grant
- Coalition for The Upper South Platte
- U.S. Air Force
- Air force

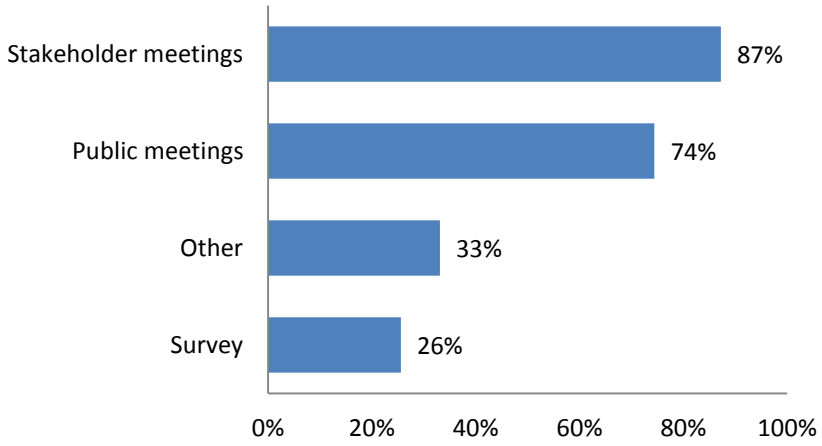
## Other nonprofit organizations

- Nature Conservancy
- Southern Idaho Timber Protective Association
- Sacramento River Preservation Trust,
- Center for Land Based Learning
- American Red Cross
- American Red Cross
- Audubon Society
- Mini-Cassia Local Emergency Planning Committee
- IV Community Development Org.
- Catalina/Golder Ranch Village Council
- Bitter Root Resource Conservation & Development,
- National Forest Protective Alliance
- memorial foundation
- Silver Valley Economic Development Corporation
- Whitman college
- Homeowner's Associations
- Applegate Partnership

Q3.6 Does the CWPP describe any public engagement events (such as stakeholder meetings, focus groups, etc.)




Q3.7 Please indicate which events (and how many) were held in preparation of this CWPP : (check all that apply and include number of events in the box)




**Number of Participants**

| | Public meetings | Stakeholder meetings | Survey |
|---|---|---|---|
| Average | 5 | 6 | 107 |
| Median | 3 | 5 | 85 |

**Other Outreach**

| Other | % | Number |
|---|---|---|
| News/Press Releases | 37% | 29 |
| Website | 11% | 9 |
| Interviews | 15% | 12 |
| Solicitation Letters/Email | 11% | 9 |
| Other Event | 14% | 11 |
| TOTAL ENTRIES | 100% | 79 |

Note: The above chart represents information categorized from "other" responses.
This chart represents entries that are not listed below.

- Presentations made to 18 various groups and stakeholders
- Written responses
- CD-ROM mailed out and 2 week review period.
- Informational video
- Citizen Advisory team meetings: 4
- TV video,
- Xeriscape book
- Info packets to county officials
- Wildfire mitigation advocates

## Q3.8 How many total stakeholder participants are identified as having participated in developing/updating the plan?

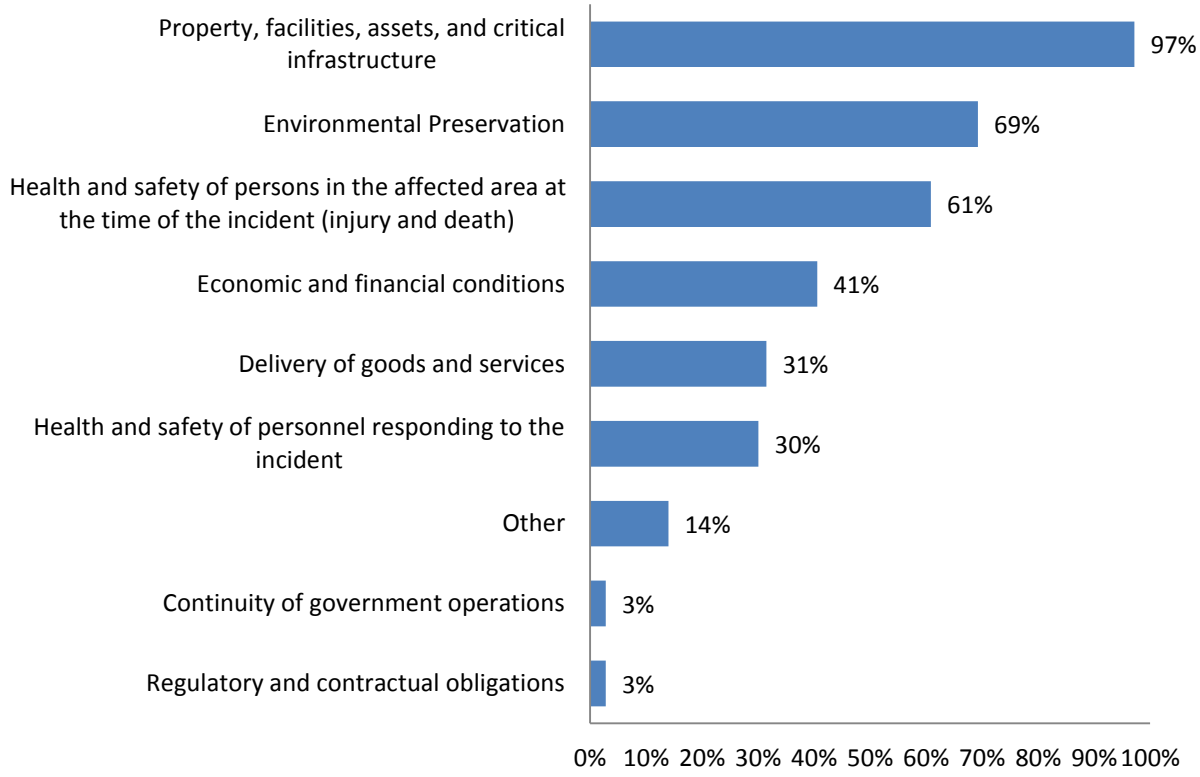
In many instances documentation of stakeholder participation was not included in the CWPP. Nearly 32% of CWPPs did not present enough data to determine how many stakeholders participated in its development. Those plans that did document stakeholder engagement around CWPP development noted a median of 25 participants and an average of 30 participants.

## Q3.9 How many total public participants are identified as having participated in developing/updating the plan?

The majority of plans reviewed did not provide detailed information regarding the extent to which public participation was included in the development of the CWPP. Nearly 76% of CWPPs did not present enough data to determine how many public participated in its development. Those plans that did document public engagement around CWPP development noted a median of 38 public participants and an average of 69 public participants.

# Risk Assessment

## Q4.2 Does the CWPP's Risk Assessment analyze fire's impact on: (check all that apply)

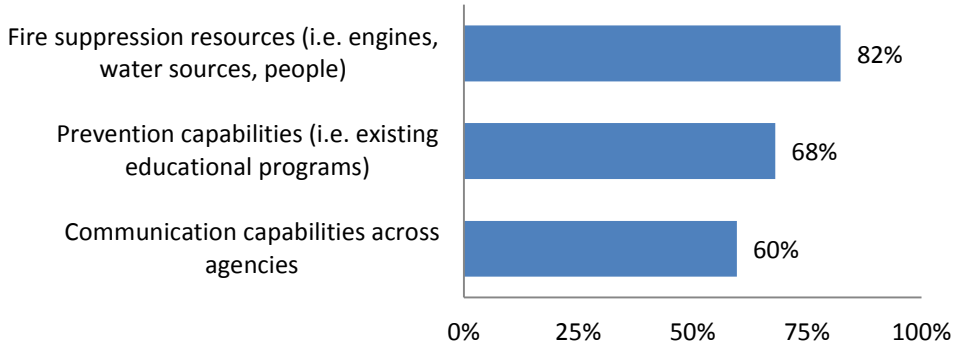



**Other Responses**

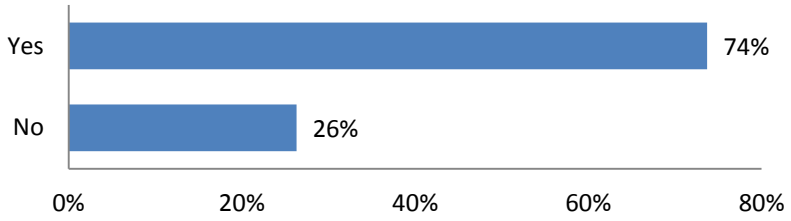
| Other Entries | % | Number |
|---|---|---|
| Cultural/Historic resources | 28% | 11 |
| Recreation | 28% | 11 |
| Risk | 18% | 7 |
| Natural Resources | 18% | 7 |
| Other | 3% | 1 |
| TOTAL ENTRIES | 100% | 40 |

Note: The above chart represents information categorized from "other" responses.

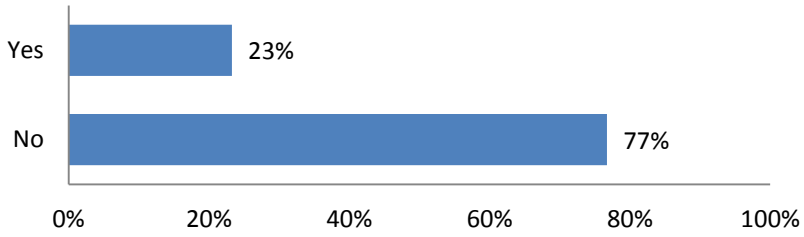
## Q4.3 Does the CWPP catalog existing: (check all that apply)




## Q4.4 Does the CWPP define the Wildland Urban Interface (WUI)?




## Q4.5 Is this WUI definition roughly the same as the following definition? (i) an area extending ½ mile from the boundary of an at-risk community;

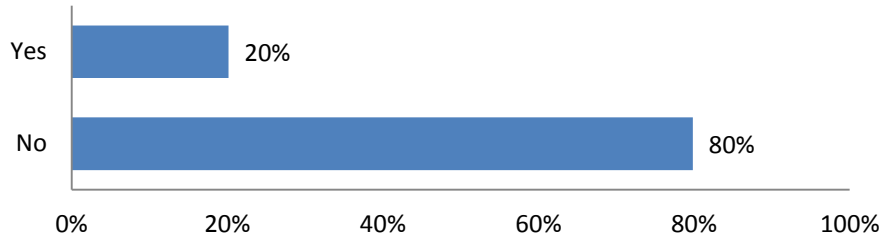


Q4.6 (ii) an area within 1 ½ miles of the boundary of an at-risk community, including any land that

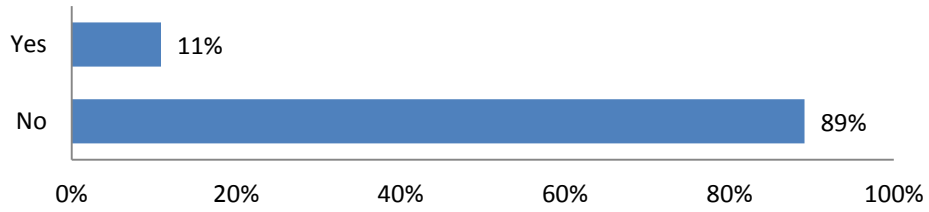
a. has a sustained steep slope that creates the potential for wildfire behavior endangering the at-risk community;

b. has a geographic feature that aids in creating an effective fire break, such as a road or ridge top; or

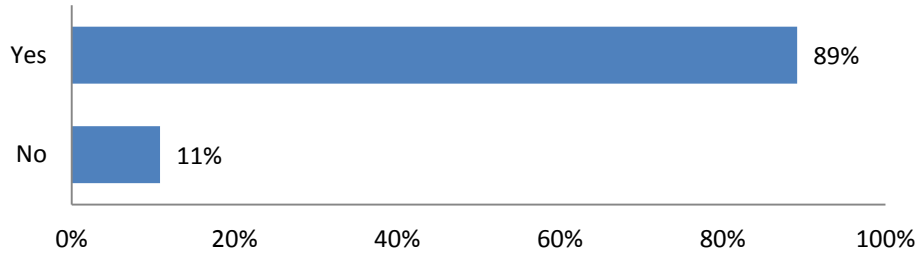
c. is in condition class 3, as documented by the Secretary in the project-specific environmental analysis;




Q4.7 (iii) an area that is adjacent to an evacuation route for an at-risk community that the Secretary determines, in cooperation with the at-risk community, requires hazardous fuels reduction to provide safer evacuation form the at-risk community." [HFRA Section 101 (16)]

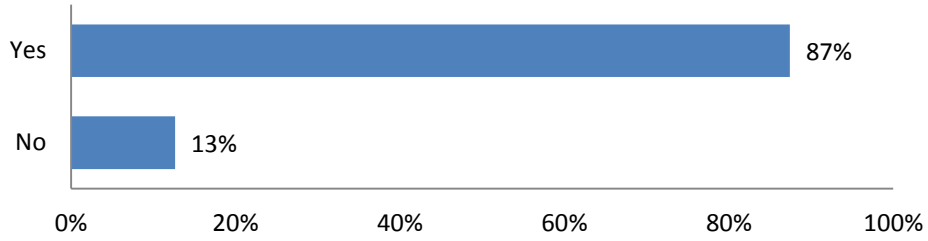



Q4.8 Does the plan include another definition of the WUI?

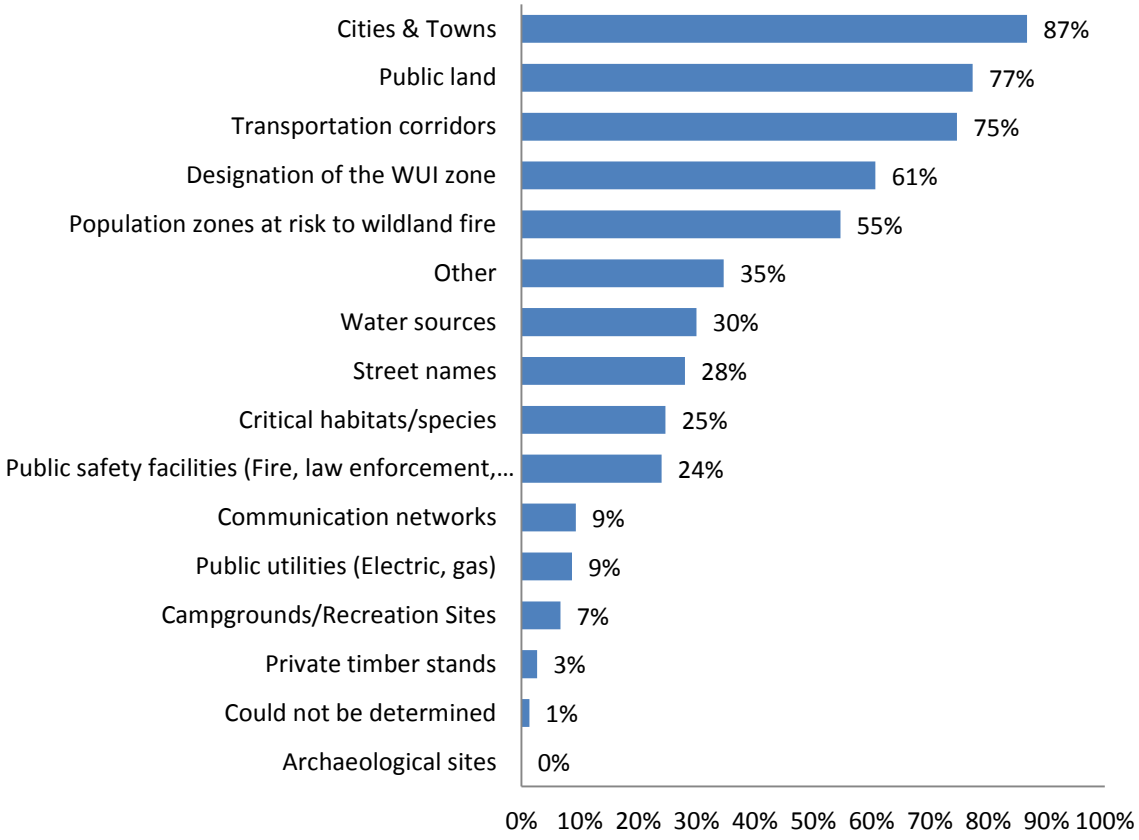



Definitions are recorded in the data set.

## Q4.9 Does the CWPP present a community map?




## Q4.10 Do the CWPP maps identify the following: (check all that apply)



**Other Map Elements**

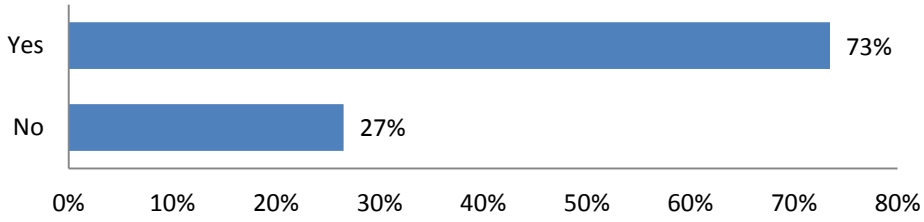
| | | |
|---|---|---|
| Fire History | 24% | 36 |
| Fire Potential | 18% | 26 |
| Vegetation/Condition Class | 16% | 24 |
| District/Regional Boundaries | 14% | 20 |
| Watershed/Bioregion | 3% | 5 |
| Infrastructure & Density | 12% | 17 |
| Mitigation Activities | 7% | 11 |
| Not Categorized | 5% | 8 |
| TOTAL ENTRIES | 100% | 147 |

Note: The above chart represents information categorized from "other" responses.
This chart represents entries that are not listed below.

- Fire history,
- Proposed mitigation projects,
- Fuel hazard classification,
- Fire defense system,
- Fire history,
- Fire potential
- Fire district boundaries
- Vegetation types,
- Watersheds,
- Fire history,
- County boundary,
- Planning areas,
- Dead trees per acre,
- County boundaries
- CWPP planning boundary,
- Fire responsibility areas
- Hazards,
- Protection capabilities,
- Home density,
- Infrastructure,
- Fire protection districts
- Fire history,
- Fuel hazard classification,
- Proposed mitigation projects
- Land cover,
- Focus areas
- National monument
- Fire history,
- Fire threat,
- Net property value by parcel,
- Evacuation routes,
- Proposed actions by community
- Fuel treatments: 2009 and comprehensive
- FSCS,
- Ignition densities,
- Flame lengths,
- Fire history,
- Vegetation,
- Fuel reduction projects,
- Population density,
- Structure density,
- Urban interface fire risk,
- Fire ignition probability,
- Condition class,
- Wind speed,
- Slope,
- Aspect,
- Fire history,
- Priority treatment areas,
- Eco-regions,
- Risk assessment,
- Fire history,
- Condition class
- Fires, vegetation class
- Fire districts
- Wildfire starts,
- Fire occurrence,
- Fire regime class,
- Fire behavior fuel models,
- Flame length,
- Fire line intensity,

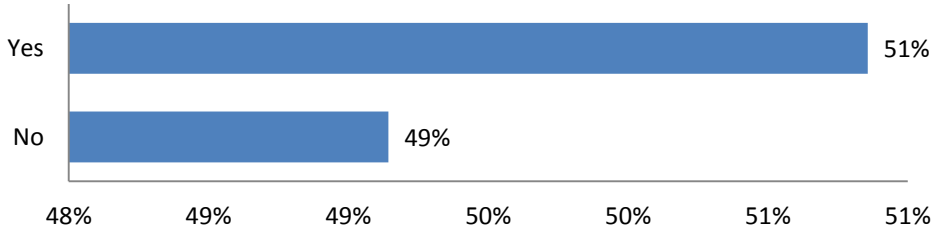
- Rate of spread,
- Crown fire activity,
- Critical infrastructure
- Fire history,
- Priority treatment areas,
- Land cover types
- Weather zones,
- Ignition probability,
- Fuel hazard rating,
- Population density,
- Fire risk
- Fire regime,
- Cover types,
- Ignition probability,
- Fuel hazard rating
- Fire history,
- Fuel hazard,
- Recommended treatments,
- Fire condition classes,
- Fire regime,
- Historic large fires,
- Historic fires,
- Fire districts,
- Zoning
- Air-sheds
- Fire districts
- Fire history
- Wildfire history
- Fire regime,
- Fire protection,
- Fire history,
- Fuels reduction projects
- Infrastructure (bridges),
- Rivers,
- Historic fires,
- Fire regime and condition class,
- Fuel hazard,
- Fire occurrence,
- Risk of fire occurrence,
- County boundary,
- Fuel reduction projects
- Values at risk,
- Fire occurrence,
- Fuel hazard,
- Protection capability
- Lemhi infrastructure buffer,
- Fire history,
- Lightning density
- Fire hazard zones
- Fire regime condition class,
- Crown fire potential,
- Housing units,
- Fire history,
- Zoning
- Trails,
- Conservation areas,
- Fire ignitions,
- Past fires
- Fire history
- Fire access roads,
- Fire ignition,
- Community boundaries,
- Fire boundaries,
- Fire district boundaries,
- Watershed values
- Could not be determined.
- Vegetation type,
- Slope,
- Past fires
- Fire protection districts,
- Fire history,
- Fire regime protection class,
- Current fire severity, ,
- Slope class,
- Vegetation types,
- Ownership sites,
- Fire threat,
- Fire regime condition class,
- Fire regime abundance class,
- Fire regime sustainability risk class,
- Machine accessibility,
- Treatment priority,
- Recap class,
- Mitigation priorities

Q4.11 Are areas of the map identified as higher or lower risk of wildfire?

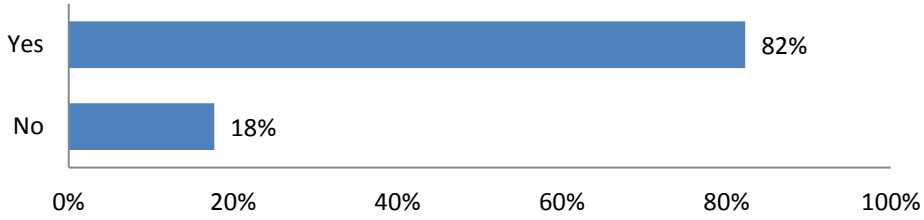



# CWPP Content

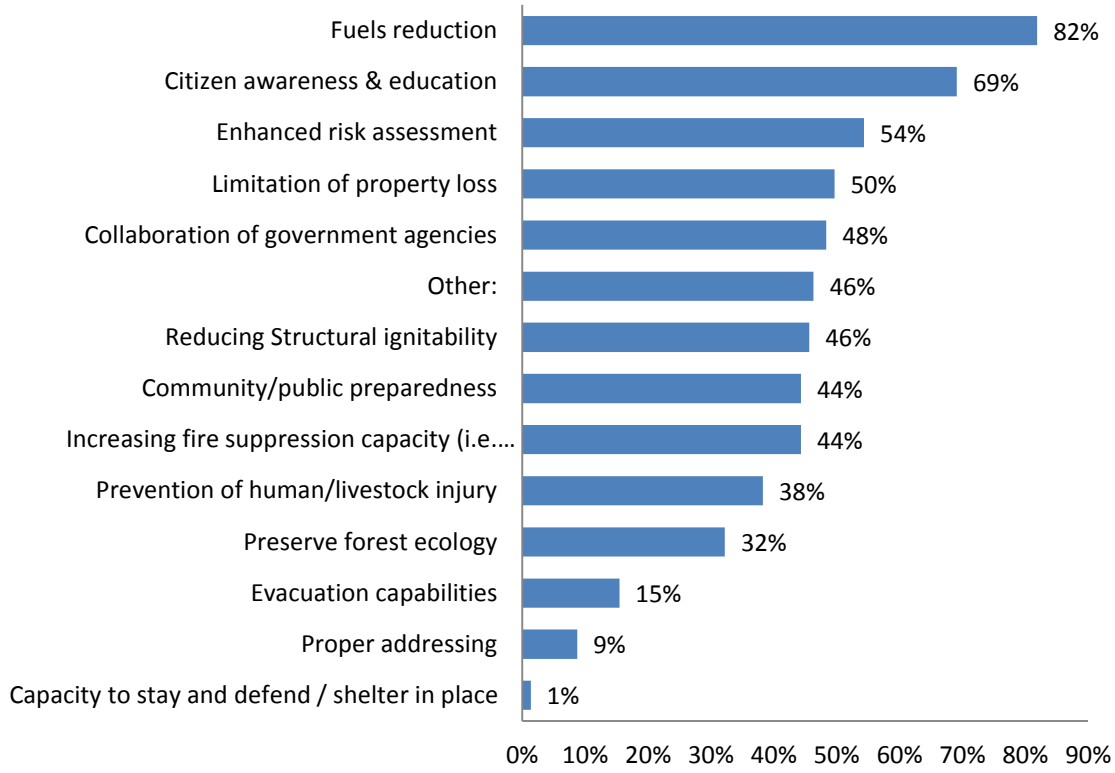
Q5.2 A Vision/mission statement presents an aspiration, in broad terms, of what this plan will achieve. Does the plan include a vision/mission statement?




Q5.3 A Goal statement presents one or more desired outcomes that may result from the effective execution of this CWPP. An Objective is a more detailed means of achieving a desired outcome. It may include process steps or elaborate upon stated goals. Does the plan include goal/objective statements?



## Q5.5 Which of the following goals/objectives are addressed in this CWPP?




**Other Goals/Objectives**

| Other Goals/Objectives | % | Number |
|---|---|---|
| General | 11% | 14 |
| Economic Development/Biomass | 14% | 19 |
| Funding Sources | 11% | 15 |
| Process Steps | 29% | 38 |
| Fire-Adapted Ecosystems | 10% | 13 |
| Mitigation/Prevention | 22% | 29 |
| Planning & Zoning | 4% | 5 |
| TOTAL ENTRIES | 100% | 133 |

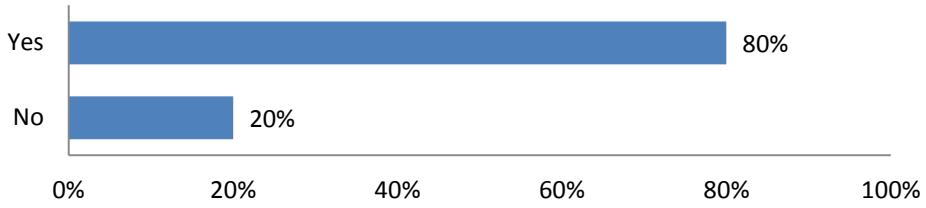
Note: The above chart represents information categorized from "other" responses.
This chart represents entries that are not listed below.

**General Goals/Objectives**

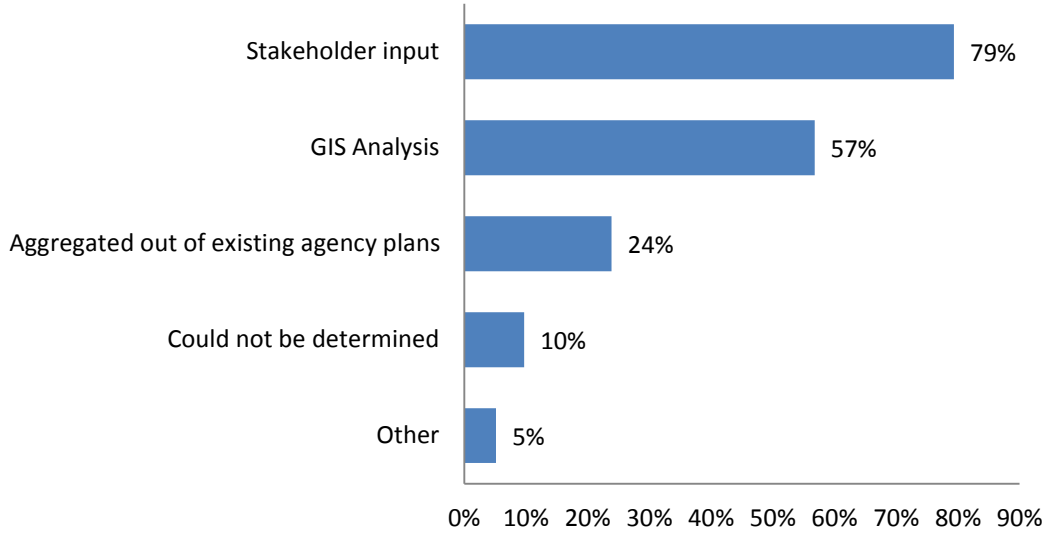
- Promote healthy forests and high air and water quality,
- Serve the community and neighborhood fire safe needs,
- Ensure the plan and its goals are consistent with all stakeholders plans and expectations
- Video production
- Community assistance,

- Recruit volunteers,
- Flexibility
- Reduce iso ratings
- Population growth,
- Promote community,
- Identify local are priorities,
- Program development,
- Community assistance,
- Community assistance

## Q5.6 Does the plan identify priority geographic areas for hazardous fuel reduction treatments?



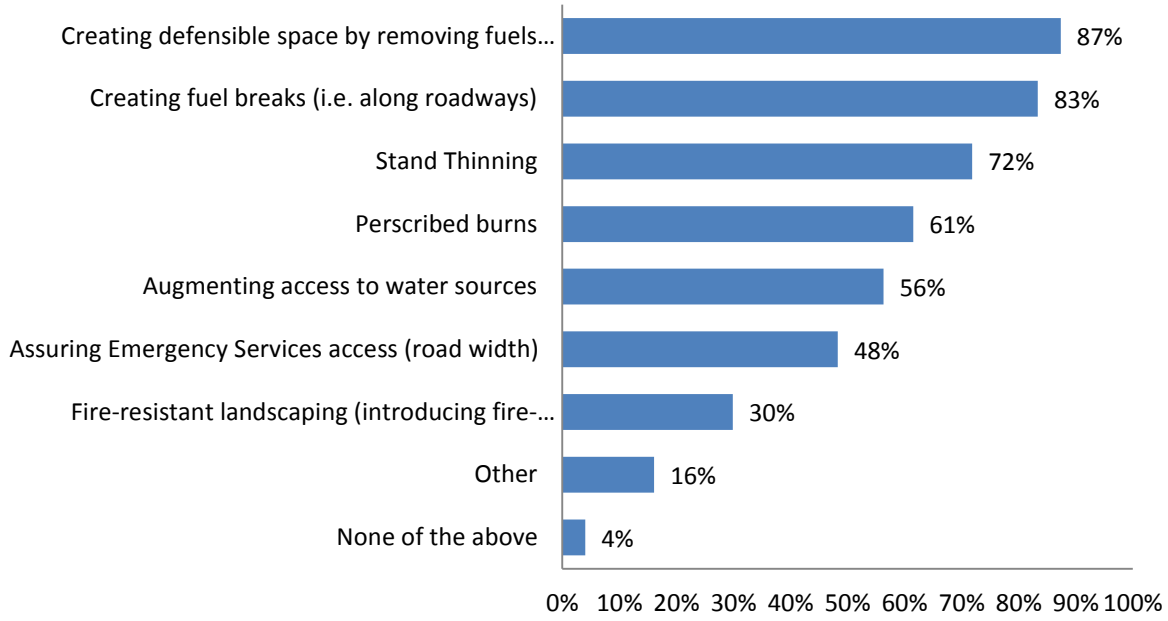

## Q5.7 How were areas prioritized? (check all that apply)




**Other Prioritization Methods**

- Landfire
- Historical data
- Historical record of ignition patterns
- Federal register (66 fr 160)
- Aerial photography
- Cost benefit analysis, funding
- Communities at risk assessment
- Firewise three-zone survivable space assessment

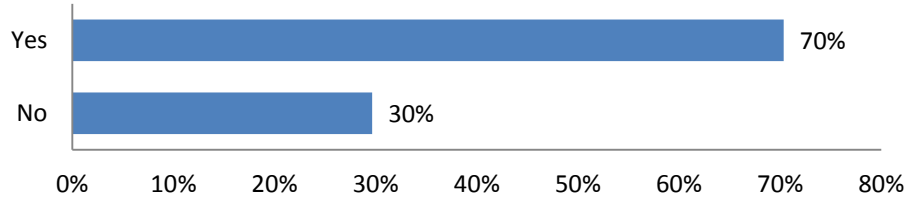
## Q5.9 What treatment types/methods are represented? (check all that apply)



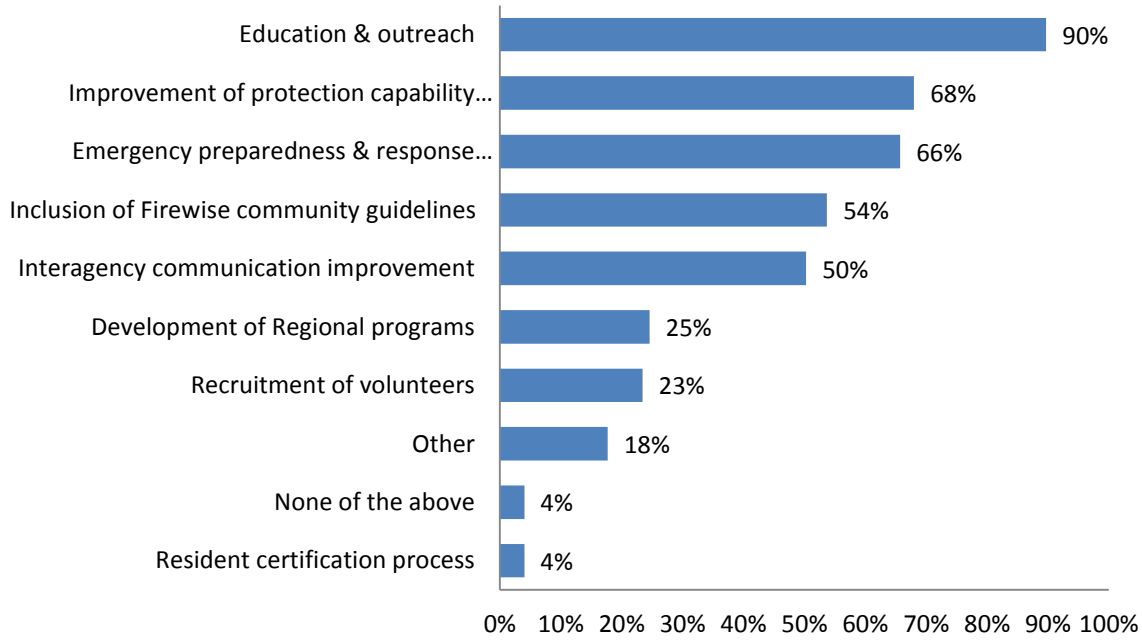

**Other Treatments**

- Slash/biomass disposal
- Firewise concepts
- Grazing,
- Chemical
- Chipping and biomass utilization,
- Grazing
- Fire prevention signage,
- Addresses,
- Safety corridors
- Proper addressing
- Road improvements
- Clear cut, forest restoration,
- Meadow enhancement, patch cut,
- Watershed protection treatments
- Develop fuels reduction program
- Underground public utilities,
- Structural vulnerability assessment
- Road sign project
- Fuels reduction
- Firewise,
- Mowing
- Livestock grazing, herbicide,
- Seeding,
- Biomass utilization,
- Hazardous fuels treatment
- Fuels reduction projects
- Brush management projects,
- Weed abatement projects
- Mowing,
- Mowing/mastication,
- Livestock grazing, chemical control
- Chemical treatment,
- Biological treatment,
- Mowing, chipping,
- Cutting and piling
- Commercial harvest/Underburning
- Create different more diverse vegetative communities,
- Monitoring
- Fuels reduction
- Firewise,
- Formulate a task force for best management practices,
- Monitor fire effects
- Dispersed treatments
- Enhanced capabilities

## Q5.10 Are the recommended treatments linked to specific projects or places on the landscape?




## Q5.11 Does the plan identify any of the following non-treatment related actions or strategies?

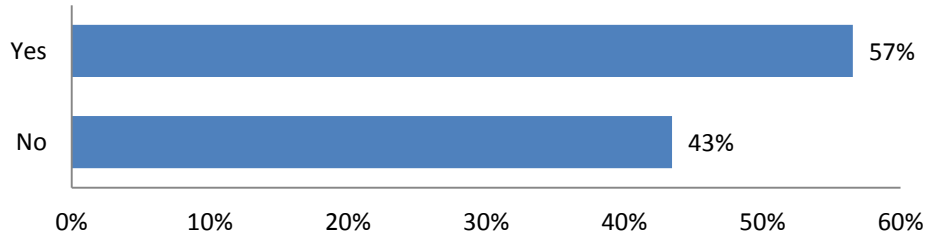



**Other Non-Treatment Strategies**

- Identify senior/disabled citizens that need assistance,
- Improvement of road and home signage,
- Investigate funding sources for projects,
- Continue to participate in green waste program to assist in disposal of green waste from fuel reduction projects,
- Evacuation plan,
- Above ground utilities be placed underground
- Apply for grant funds
- Data collection,
- Public workshops
- Development of subdivision-level wildfire assessment
- Establishing funding sources
- City codes,
- Identify and improve and protect critical evacuation routes
- Inclusion of fire free guidelines
- Subdivision level CWPPs
- Evacuation plan
- Develop and update mutual aid agreements
- Fire danger rating signs

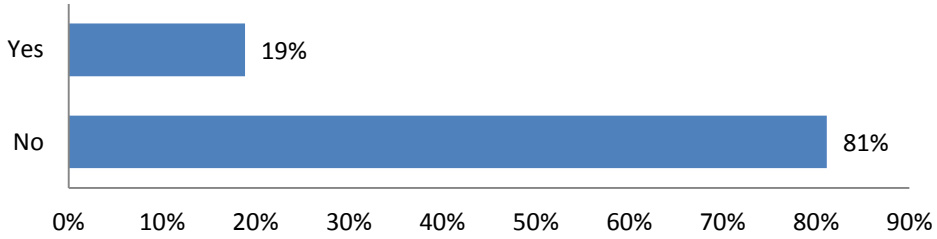
- Rural subdivision water supply building code
- Identify and prioritize wui areas
- Form a countywide fire safe council, assist with environmental compliance
- Evacuation guidelines
- Identify and update high risk/hazard areas, funding,
- Update and evaluate yearly plan accomplishments,
- Addressing, seek out and secure funding,
- Home assessment plans, pre-incident plans,
- Promote native plant species,
- Minimize infestation and spreading of noxious weeds
- Noxious weed awareness,
- Post fire disaster mitigation guidelines,
- Assessment of homes in the WUI,
- Identify high risk areas,
- Pursue grant funds
- Community emergency response team,
- Evacuation plan,
- Landowners should post and number roads
- Mapping hazardous fuels,
- Hire project coordinator,
- Construction enhancements through county building and fire code requirements,
- Class a re-roofing through county building and fire code requirements,
- Map all roads markers and water sources
- Organizational improvements,
- Creation of wildfire assessment districts,
- Review of county building land development and zoning codes,
- Formal classification of eastside communities as federal at risk communities,
- Feasibility assessment
- Evacuation procedures
- Form local chapters Nevada fire safe council
- Could not be determined
- Biomass utilization
- Accurate e-911 and addressing info
- Economic development around biomass
- Building code changes,
- Land management recommendations

## Q5.12 Are the recommended non-treatment strategies linked to specific projects or places on the landscape?

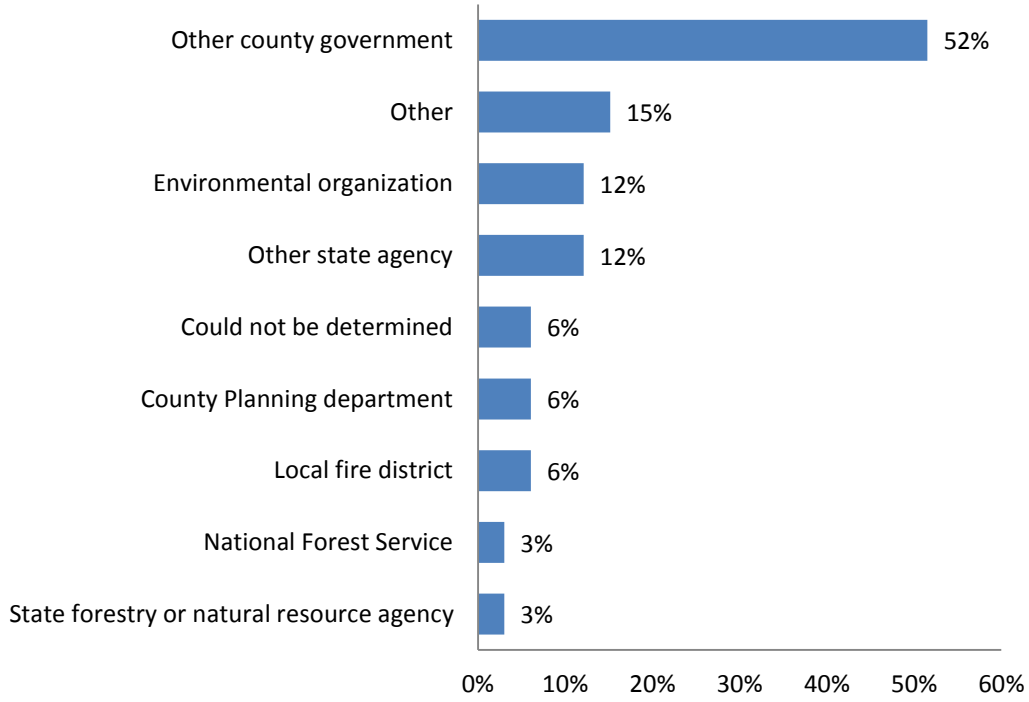


# Plan Implementation

## Q6.2 Does the plan identify a specific lead coordinator or convener to oversee the implementation of the plan?




## Q6.3 The coordinator or convener is from what agency(ies)?




**Other state agency**

- Nevada Fire Safe Council
- Nevada Fire Board
- state parks
- Northern Utah Fuels Committee

**Other county government**

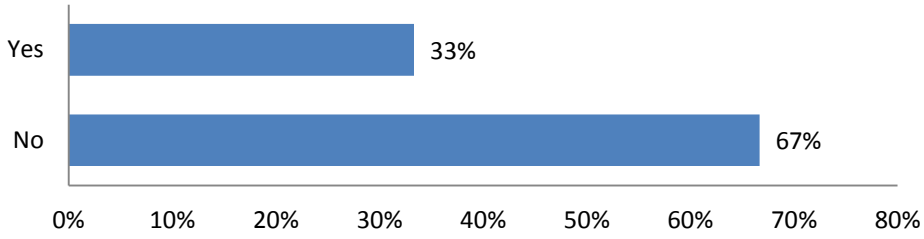
- Emergency Services Director
- Lincoln County Fire Steering Committee
- Custer County Advisory Committee
- County Fire Council Monitoring Committee
- Sheriff
- Lincoln County Fire Steering Committee
- Emergency Management, County Commissioner
- Fire Safe Council
- MCCWPP Local Coordinating Group

- County Court,
- Area 9 Fire Defense Board,
- Community leaders,
- County agencies
- Emergency Services
- Emergency Management
- New Wildland Coordinator position
- Emergency Services
- County Fire Mitigation Coordinator
- Fire Safe Council
- Fire Safe Alliance

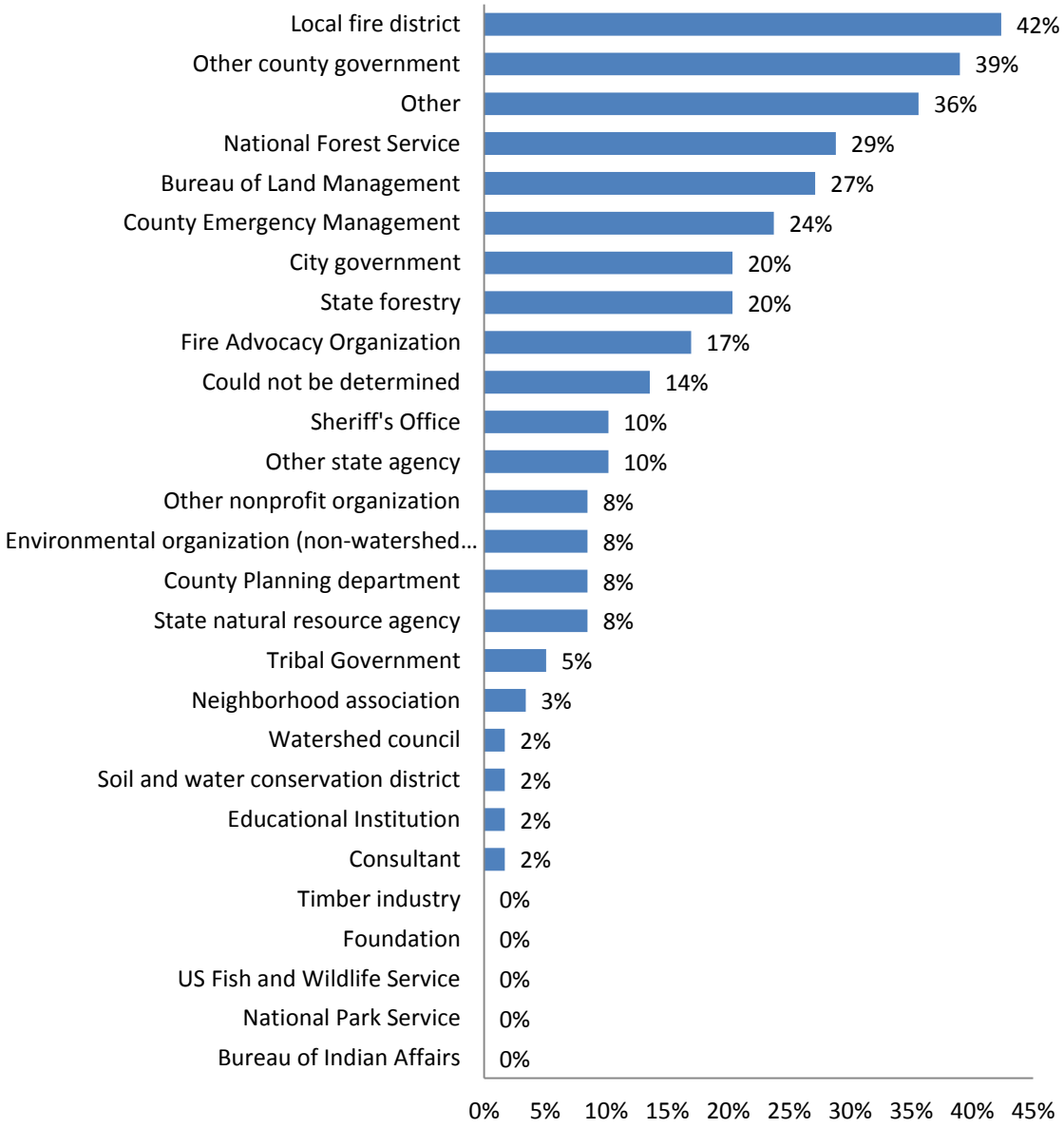
**Other**

- ODF,
- USFW,
- DOD Navy,
- USFS,
- Fire Safe Council
- Fire Safe Council of Siskiyou County
- Utility providers,
- ODOT
- Ravalli County Wildland Urban Interface Task Force
- Coordinator of Tehama-Glenn Fire Safe Council

## Q6.4 Does the plan identify a plan/program advisory committee to guide the implementation process?



## Q6.5 The advisory committee is comprised of members of which agency(ies)?




**Other state agency**

- Idaho Department of Lands
- Local Fire Safe Councils
- Fire Safe Council
- Homeland Security
- DNRC Extension Forester
- Northern Utah Fuels Committee

**Other county government**

- Custer County Advisory Committee, Interagency Planning Group
- Lincoln County Fire Steering Committee
- County Fire Council
- commissioners
- Park County Wildfire Coalition
- Lincoln County Fire Steering Committee
- Commissioners
- Natural Resources

- Roads
- County Court,
- Public Works,
- Pueblo County GIS,
- Commissioners,
- Sheriff,
- Dispatch,
- Disaster Services
- County Commissioner,
- County Public Lands
- Boulder County Land Use Department
- County-wide Fire Protection Working Group
- Fire Safe Council
- Tri County Commission
- Fire Safe Councils
- Commissioners
- County Commissioner
- Pueblo Emergency Response Teams,
- Mountain Park Environmental Center,
- National Weather Service,
- Natural Resources Conservation Service
- Plan Development steering committee
- Landowners
- RC&D
- Color Country Interagency Fuels Committee
- The InterMountain Alliance,
- Boulder County Forest Health Task Force
- Landowner Committee
- Boulder River Fuels Committee
- landowners
- Community Wildfire Preparation Team
- Ravalli County Wildland Urban Interface Task Force
- Oregon Fire Chiefs Assoc.

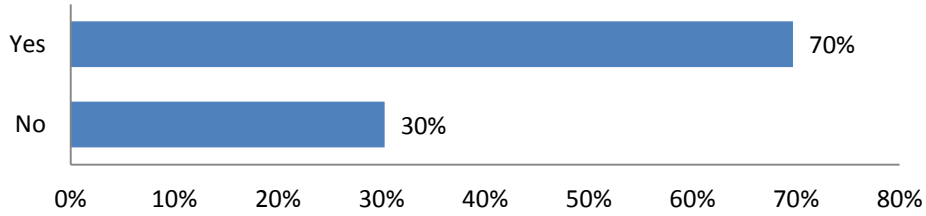
**Other nonprofit organization**

- Boise County Fire Fighters Assoc.,
- Boise County Fire Chiefs
- Bitter Root Resource Conservation & Development,
- National Forest Protective Alliance
- University of Arizona Cooperative Extension
- Forest Protective Assoc.,

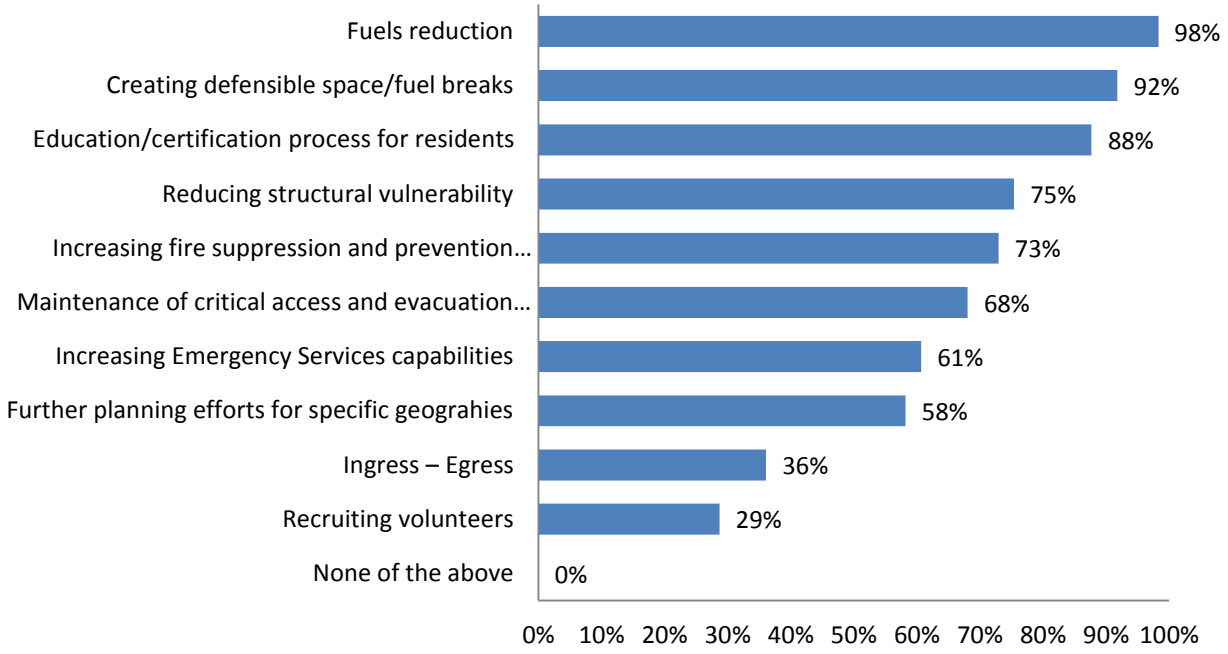
**Other**

- Fire Safe Council of Siskiyou County
- Landowner Committee
- "Federal and State Agencies"
- Tehema-Glen Fire Safe Council
- Mini-Cassia Local Emergency Planning Committee
- homeowners
- Landowner Committee
- DOD Navy, OR National Guard
- local fire department,
- Beulah Area Wildfire Mitigation Council,
- fire and rescue,

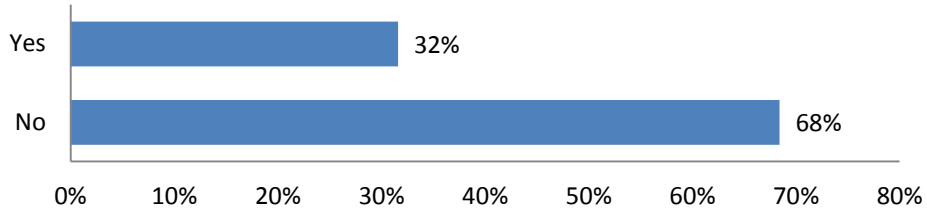
Q6.6 Action items describe tasks or activities that are performed to accomplish a goal or objective. Does the CWPP contain action items?



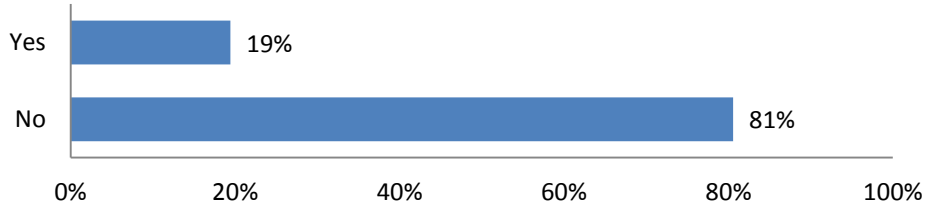

Q6.7 Does the CWPP identify action items related to any of the following treatments? (check all that apply)



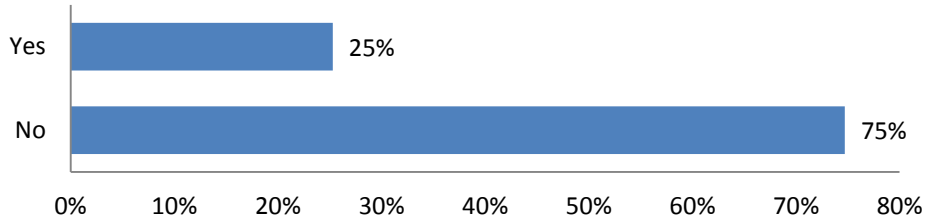
## Q6.8 Does the plan identify resources needed for implementation?



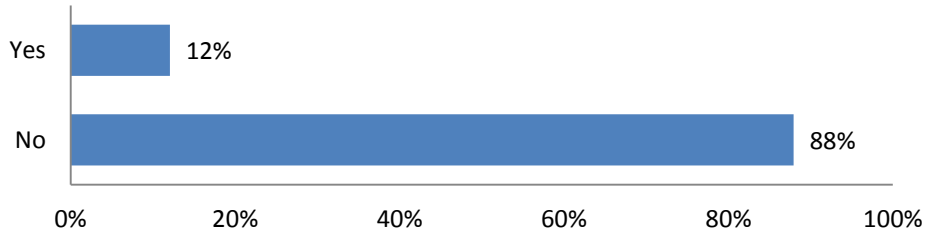

## Q6.9 Does the plan provide anticipated implementation costs?



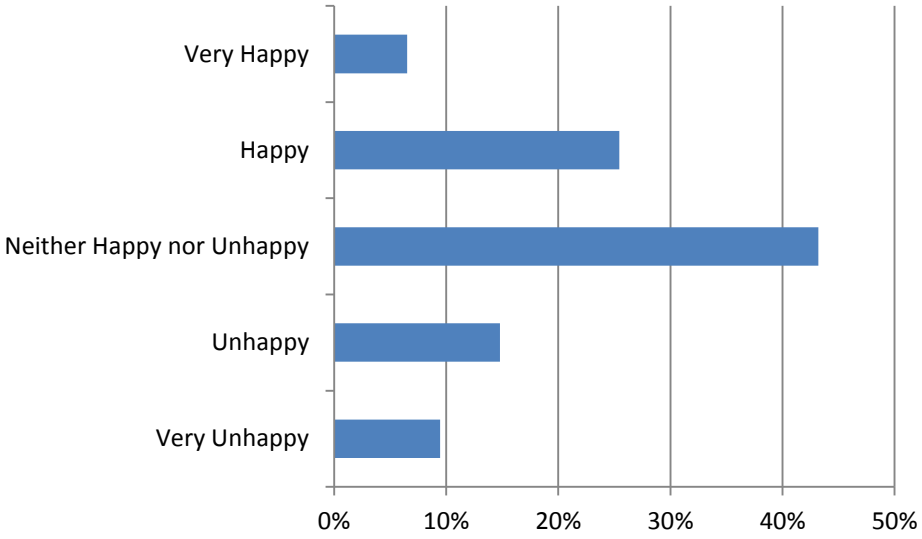

## Q6.10 Does the plan provide anticipated time schedule for completing implementation?



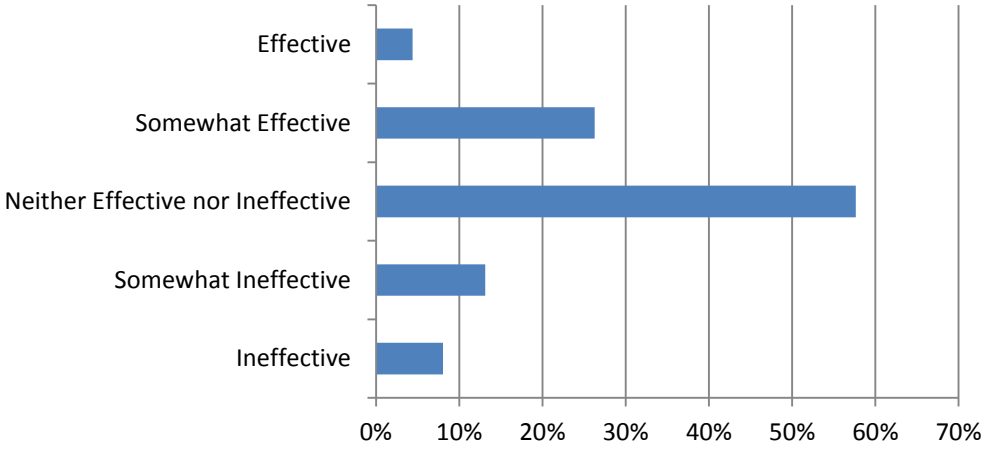

## Q6.11 Does the plan identify specific lines of authority during a wildfire?



## Q6.13 How happy does this Community Wildfire Protection Plan make you feel?




## How effective is this Community Wildfire Protection Plan?



# Appendix A: Plan Database

## Coded Community Wildfire Protection Plans

| Date of Plan (MM/DD/YYYY) | Plan File Name | County(ies) | PDF pages) |
|---|---|---|---|
| 1/1/2005 | AZ_005_Flagstaff_2005.pdf | Coconino County, Arizona | 136 |
| 11/12/2005 | AZ_009_GrahamCounty_2005.pdf | Graham County, Arizona | 66 |
| 9/1/2005 | AZ_011_GreenleeCounty_2005.pdf | Greenlee County, Arizona | 113 |
| 9/1/2005 | CA_015_DelNorteFireSafe_2005.pdf | Del Norte County, California | 162 |
| 1/1/2005 | CA_019_FresnoKings_2005.pdf | Fresno and Kings Counties, California | 120 |
| 6/15/2011 | CA_019_FresnoKings_2011.pdf | Fresno and Kings Counties, California | 75 |
| 7/28/2011 | CA_021_Glenn_2011.pdf | Glenn County, California | 139 |
| 4/1/2009 | CA_027_Inyo_2009.pdf | Inyo County, California | 181 |
| 1/1/2011 | CA_029_KernRiverValley_2011.pdf | Kern County, California | 179 |
| 1/1/2006 | CA_035_Lassen_2006 | Lassen | 39 |
| 4/2/2007 | CA_043_Foresta_2007 | Mariposa | 127 |
| 1/1/2010 | CA_043_MariposaCounty_2010.pdf | Mariposa | 154 |
| 1/1/2005 | CA_049_Modoc_2008.pdf | Modoc County, California | 80 |
| 11/2/2005 | CA_071_ArrowheadCommunities_2005.pdf | San Bernardino County, California | 42 |
| 1/1/2006 | CA_071_MillCreek_2006 | San Bernadino | 18 |
| 1/3/2006 | CA_073_Ramona_2006 | San Diego | 9 |
| 01/01/1000 | CA_083_SantaBarbaraCounty_0000 | Santa Barbara | 50 |
| 10/30/2008 | CA_103_TehamaEast_2008 | Tehama | 222 |
| 1/1/2007 | CA_107_KENNEDYMEADOWS_2006.pdf | Tulare County, California | 157 |
| 11/1/2010 | CA_107_Tulare_2010 | Tulare | 94 |
| 4/9/2006 | CO_071_SantaFeTrailRanch_2006.pdf | Las Animas County, Colorado | 50 |
| 7/28/2003 | ID_011_Bingham_2003.pdf | Bingham County, Idaho | 57 |
| 9/30/2004 | ID_013_Blaine_2004.pdf | Blaine County, Idaho | 182 |
| 9/30/2004 | ID_013_KetchumRFPD_2004.pdf | Blaine County, Idaho | 163 |
| 9/30/2004 | ID_013_WoodRiverFPD_2004.pdf | Blaine County, Idaho | 166 |
| 9/1/2009 | ID_025_Camas_Amendment_2009.pdf | Camas County, Idaho | 12 |
| 6/1/2006 | ID_031_Cassia_Amendment_2006 | Cassia | 16 |
| 10/9/2006 | ID_039_Elmore_VII_Update_2006 | Elmore County, Idaho | 180 |
| 10/6/2009 | ID_049_IdahoVI_2009 | Idaho | 281 |
| 3/1/2011 | ID_067_Minidoka_App_2011.pdf | Minidoka County, Idaho | 3 |
| 3/10/2005 | ID_073_Owyhee_2005.pdf | Owyhee County, Idaho | 213 |
| 1/1/2011 | ID_079_Shoshone_2011.pdf | Shoshone County, Idaho | 165 |
| 1/1/2006 | MT_067_Park_2006 | Park | 63 |
| 1/1/2006 | MT_081_Ravalli_2006 | Ravalli | 75 |

| | | | |
|---|---|---|---|
| 1/1/2007 | MT_095_Stillwater_2007 | Stillwater | 25 |
| 5/1/2010 | NM_005_Chaves_2010.pdf | Chaves | 173 |
| 6/1/2008 | NM_027_Lincoln_2008 | Lincoln County | 76 |
| 5/27/2008 | NM_057_Claunch-Pinto_2008 | Torrance, Lincoln, Socorro, and Valencia counties | 285 |
| 3/1/2005 | NT_029_Flathead_2005 | Flathead | 145 |
| 1/1/2005 | NV_023_NyeCounty_2005.pdf | Nye | 156 |
| 10/1/2005 | OR_005_Clackamas_2005.pdf | Clackamas County, Oregon | 138 |
| 6/1/2005 | OR_013_Crook_2005.pdf | Crook County, Oregon | 88 |
| 1/18/2006 | OR_019_Douglas_PhaseII_2006.pdf | Douglas County, Oregon | 141 |
| 12/20/2007 | OR_021_Gilliam_2007.pdf | Gilliam County, Oregon | 43 |
| 5/1/2011 | OR_031_Jefferson_2011.pdf | Jefferson County, Oregon | 87 |
| 3/22/2006 | OR_049_Morrow_2006.pdf | Morrow | 59 |
| 6/15/2005 | OR_059_Umatilla_BlueMountain_2005.pdf | Umatilla | 116 |
| 3/24/2006 | OR_063_Wallowa_2006.pdf | Wallowa County, Oregon | 88 |
| 10/26/2007 | UT_001_SouthwestUtah_2007.pdf | Beaver, Garfield, Iron, Kane, Washington | 196 |
| 5/14/2007 | UT_035_NorthernUtah_2007.pdf | Box Elder, Cache, Davis, Morgan, Rich, Salt Lake, Summit, Tooele, Utah, Wasatch, Weber | 210 |
| 1/1/2008 | WA_007_MonitorCashmereDrydanPeshastin_2008 | Chelan | 30 |
| 1/1/2006 | WA_045_LakeCushman_2006.pdf | Mason County, Washington | 20 |
| 12/13/2006 | WA_047_OkanoganCounty_2006 | Okanogan County, Washington | 335 |
| 1/1/2011 | ID_079_Shoshone_2011.pdf | Shoshone | 110 |
| 2/8/2006 | WA_071_WallaWalla_2006 | Walla Walla | 67 |
| 12/1/2009 | MT_067_Park_2009 | Park | 23 |
| 2/1/2011 | ID_013_Blaine_Addendum_2011.pdf | Blaine County, Idaho | 6 |
| 1/1/2011 | CO_041_ElPaso_2011.pdf | El Paso County, Colorado | 57 |
| 1/1/2005 | NV_510_CarsonCity_2005.pdf | Carson City, Nevada | 114 |
| 2/26/2008 | NV_023_Landscape-Scale_Nye_2008.pdf | Nye | 183 |
| 1/1/2010 | MT_081_Ravalli_2010 | Ravalli | 74 |
| 2/18/2009 | WA_037_KittitasCounty_2009.pdf | Kittitas County, Washington | 204 |
| 1/1/2005 | ID_059_Lemhi_2006 | Lemhi | 90 |
| 7/28/2008 | NM_007_Colfax_2008.pdf | Colfax County, New Mexico | 60 |
| 2/15/2006 | OR_001_Baker_2006.pdf | Baker County, Oregon | 108 |
| 6/1/2005 | MT_053_Lincoln_2005.pdf | Lincoln | 52 |
| 1/1/2003 | CA_103_TehamaWest_0000.pdf | Tehama County, California | 214 |
| 9/1/2008 | CA_039_Madera_2008 | Madera | 140 |
| 9/22/2004 | OR_019_Douglas_PhaseI_2004.pdf | Douglas County, Oregon | 92 |
| 9/1/2004 | ID_071_Oneida_2004.pdf | ONEIDA COUNTY, IDAHO | 55 |
| 5/1/2005 | MT_061_Mineral_2005.pdf | Mineral | 23 |
| 3/9/2010 | CA_111_Ventura_2010.pdf | Ventura County, California | 69 |
| 1/1/2008 | CA_073_Rural94_0000.pdf | San Diego County, California | 29 |
| 11/20/2004 | CA_017_LAKETAHOEBASIN_2004.pdf | Placer and El Dorado Counties, California | 56 |
| 8/1/2005 | NV_007_ElkoCounty_2005 | Elko | 446 |

| | | | |
|---|---|---|---|
| 1/1/2005 | CA_045_Mendocino_2005.pdf | Mendocino County | 156 |
| 12/23/2008 | NM_025_Lea_2008.pdf | Lea | 61 |
| 5/1/2006 | CA_071_BigBearValley_2006.pdf | San Bernardino County, California | 103 |
| 6/28/2004 | ID_087_Washington_2004.pdf | Washington | 202 |
| 8/1/2011 | ID_063_Lincoln_App_2011.pdf | lincoln county, idaho | 3 |
| 10/15/2009 | NM_023_Hildago_2009.pdf | Hidalgo County, New Mexico | 74 |
| 5/1/2006 | ID_067_Minidoka_Amendment_2006.pdf | Minidoka County, Idaho | 11 |
| 4/23/2008 | CA_093_SiskiyouCounty_2008 | Siskiyou | 59 |
| 12/1/2005 | WA_007_LeavenworthArea_2005 | Chelan | 28 |
| 6/1/2005 | MT_053_Lincoln_2005 | Lincoln | 52 |
| 11/1/2005 | MT_039_Granite_2005.pdf | Granite | 81 |
| 5/23/2010 | OR_019_Douglas_AppA_2010.pdf | Douglas County, Oregon | 8 |
| 5/13/2006 | NM_053_Socorro_2006 | Socorro | 86 |
| 10/29/2008 | CA_073_LakeHodges_2008.pdf | San Diego | 13 |
| 5/1/2010 | CA_087_SantaCruz_2010 | Santa Cruz and San Mateo Counties | 119 |
| 5/19/2011 | CA_083_MissionCanyon_2011 | Santa Barbara | 39 |
| 11/1/2007 | OR_043_Linn_2007.pdf | Linn | 207 |
| 10/1/2006 | CO_013_FourMileFPD_2006.pdf | Boulder County, Colorado | 121 |
| 8/1/2009 | ID_067_Minidoka_Amendment_2009.pdf | Minidoka County, Idaho | 10 |
| 12/13/2011 | AZ_013_Maricopa_Review_2011.pdf | Maricopa County, Arizona | 18 |
| 6/1/2005 | NV_031_WashoeCounty_2005.pdf | Washoe | 394 |
| 12/23/2005 | OR_037_SouthCentralLake_PhaseI_2005.pdf | Lake County, Oregon | 48 |
| 8/1/2009 | CA_033_LakeCounty_2009.pdf | Lake | 339 |
| 6/14/2006 | ID_001_Ada_2006.pdf | Ada County, Idaho | 180 |
| 5/23/2005 | CO_119_Teller_2005.pdf | Teller County, Colorado | 47 |
| 3/1/2008 | CA_061_PlacerCounty_2008.pdf | Placer | 73 |
| 1/1/2009 | AZ_005_Sitgreaves_2009.pdf | Navajo, Coconino | 29 |
| 9/20/2007 | CO_041_SWHighway115FPD_2007.pdf | El Paso, Teller, and Fremont Counties, Colorado | 112 |
| 6/1/2005 | CA_091_SierraCounty_2005.pdf | Sierra | 52 |
| 6/8/2012 | OR_017_E&WDeschutes_Draft_2012.pdf | Deschutes County, Oregon | 60 |
| 1/1/2006 | OR_069_Wheeler.pdf | Wheeler County, Oregon | 57 |
| 1/1/2007 | CO_093_Park_2007.pdf | Park County, Colorado | 60 |
| 5/16/2008 | NV_007_Landscape-Scale_Elko_2008 | Elko | 183 |
| 12/28/2004 | CO_081_Moffat_2004 | Moffat | 107 |
| 11/1/2010 | CA_053_MontereyCounty_2010.pdf | Monterey County, California | 292 |
| 11/1/2004 | NV_001_Churchill_2004.pdf | Churchill County, Nevada | 93 |
| 1/1/2012 | OR_035_WalkerRange_2012.pdf | Klamath County, Oregon | 94 |
| 5/1/2008 | NM_043_Sandoval_2008.pdf | Sandoval County, New Mexico | 188 |
| 7/1/2003 | ID_015_Boise_2003.pdf | Boise County, Idaho | 83 |
| 1/27/2010 | CA_073_lakeHodges_2011 | San Diego | 18 |
| 7/11/2007 | OR_035_Klamath_2007.pdf | Klamath County, Oregon | 92 |
| 10/1/2007 | AZ_019_Catalina_2007.pdf | Pima County, Arizona | 94 |
| 5/11/2007 | UT_027_CentralUtah_2007.pdf | Juab, Millard, Piute, Sanpete, Sevier, Wayne | 126 |

| | | | |
|---|---|---|---|
| 12/21/2005 | OR_065_Wasco_2005.pdf | Wasco County, Oregon | 87 |
| 5/11/2007 | UT_037_SoutheastUtah_2007 | Carbon, Emery, Grand, San Juan | 132 |
| 5/10/2004 | ID_039_Elmore_2004.pdf | Elmore County, Idaho | 174 |
| 12/13/2007 | NV_001_Landscape-Scale_Churchill_2007.pdf | Churchill County, Nevada | 181 |
| 1/1/2005 | OR_023_Grant_CFPP_2005.pdf | Grant County, Oregon | 53 |
| 9/1/2004 | ID_025_Camas_2004.pdf | CAMAS COUNTY, IDAHO | 50 |
| 2/1/2008 | OR_015_Curry_2008.pdf | Curry County, Oregon | 165 |
| 1/1/2005 | MT_049_TriCounty_2005.pdf | Lewis & Clark, Jefferson, Broadwater | 39 |
| 2/1/2007 | ID_085_Washington_Amendment_2007.pdf | Washington County, Idaho | 8 |
| 2/1/2009 | ID_037_Custer_2009.pdf | Custer | 63 |
| 1/1/2005 | MT_049_TriCounty_2005 | Lewis and Clark, Jefferson, and Broadwater counties | 39 |
| 7/1/2009 | NV_510_CarsonCity_2009.pdf | Ormsby | 138 |
| 1/1/2007 | CO_033_Dolores_2007.pdf | Dolores County, Colorado | 23 |
| 2/1/2010 | AZ_013_Maricopa_2010.pdf | Maricopa County, Arizona | 187 |
| 2/1/2007 | AZ_023_SonoitaElgin_2007.pdf | Santa Cruz, Pima, and Cochee Counties | 117 |
| 9/28/2004 | ID_083_TwinFalls_2004.pdf | Twin Falls | 157 |
| 6/1/2011 | OR_033_IllinoisValley_2011 | Josephine | 70 |
| 8/1/2005 | MT_063_Missoula_2005 | Missoula | 128 |
| 7/1/2004 | ID_063_Lincoln_2004.pdf | Lincoln County, Idaho | 98 |
| 1/1/2000 | CO_013_Boulder_2011 | Boulder | 233 |
| 7/1/2007 | WA_007_LakeWenatcheePlain Area_2007 | Chelan | 31 |
| 9/1/2008 | MT_097_SweetGrass_2008 | Sweet Grass | 124 |
| 9/13/2004 | ID_051_Jefferson_2004 | Jefferson | 73 |
| 1/4/2006 | CA_073_SanDiego_County_2006 | San Diego | 34 |
| 7/9/2008 | WA_013_ColumbiaCounty_2008.pdf | Columbia County, Washington | 178 |
| 4/21/2008 | NM_510_Landscape-Scale_CarsonCity_2008.pdf | Ormsby | 178 |
| 8/1/2002 | OR_033_Applegate_Fire_Plan_2002 | Jackson, Josephine | 193 |
| 5/30/2008 | NM_057_Torance_2008 | Torance | 256 |
| 7/1/2005 | CA_029_MyersCanyon_2005.pdf | Kern County, California | 74 |
| 12/1/2009 | CA_015_OrleansSomesBar_2009.pdf | Del Norte, Humboldt, and Siskiyou Counties, California | 181 |
| 1/1/2005 | WA_037_SwaukBasin_2005.pdf | Kittitas County, Washington | 94 |
| 11/1/2004 | OR_033_Josephine_CFIP_2004 | Josephine | 304 |
| 9/1/2011 | OR_011_Coos_2011 | Coos | 180 |
| 1/1/2007 | NM_003_Reserve.pdf | Catron County, New Mexico | 39 |
| 12/1/2005 | WA_O77_Highways410-12_2005 | Yakima | 58 |
| 1/1/2009 | ID_063_Lincoln_Report_2009.pdf | Lincoln County, Idaho | 4 |
| 7/1/2006 | CO_083_Montezuma_2006.pdf | Montezuma | 13 |
| 1/1/2006 | NM_003_Catron_2006.pdf | Catron County, New Mexico | 196 |
| 3/1/2009 | ID_013_Blaine_Addendum_2009.pdf | Blaine County, Idaho | 17 |
| 1/26/2004 | ID_003_Adams_2004.pdf | Adams County, Idaho | 128 |
| 5/26/2004 | CA_005_AmadorCountywide_2005.pdf | Amador County, California | 74 |

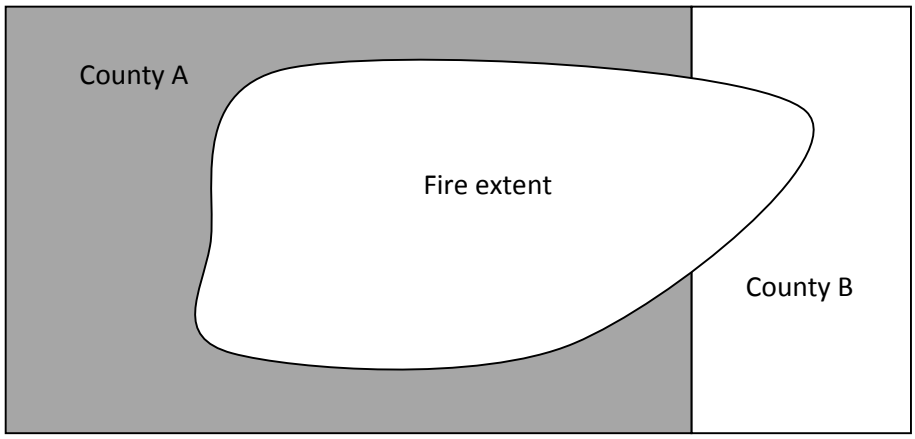
| | | | |
|---|---|---|---|
| 4/26/2006 | CA_073_PineValley_2006.pdf | San Diego County, California | 18 |
| 6/1/2004 | NV_027_Pershing_2004 | Pershing | 138 |
| 9/1/2009 | ID_083_TwinFalls_Amendment_2009.pdf | Twin Falls | 26 |
| 9/20/2006 | CO_101_SWPueblo_2006 | Pueblo | 206 |
| 2/1/2005 | CA_063_PlumasCounty_2005.pdf | Plumas | 17 |
| 5/1/2011 | CO_085_Montrose_2011.pdf | Montrose County, Colorado | 262 |
| 5/1/2011 | AZ_025_Yavapai_2011.pdf | Yavapai County, Arizona | 62 |
| 8/10/2005 | OR_061_Union_2005.pdf | Union County, Oregon | 132 |
| 1/1/2010 | AZ_005_Blue Ridge_2010.pdf | Coconino | 53 |
| 10/18/2004 | ID_067_Minidoka_2004.pdf | Minidoka County, Idaho | 173 |
| 1/1/2009 | OR_025_Harney_2009.pdf | Harney County, Oregon | 57 |
| Not Indicated | NM_003_WillowCreek.pdf | Catron | 34 |
| 8/1/2004 | ID_023_Butte_2004.pdf | Butte County, Idaho | 73 |
| 6/1/2006 | ID_083_TwinFalls_Amendment_2006.pdf | Twin Falls | 18 |
| 1/1/2007 | ID_011_Bingham_Adendum_2007.pdf | Bingham County, Idaho | 3 |
| 5/1/2005 | OR_039_Lane_2005.pdf | Lane County, Oregon | 223 |

# Appendix B: Case Selection Criteria

Case selection focused on procuring the most detailed information about a geography affected by a major fire since 2004. In order to refine this case selection, the Research Team created the following protocol to select CWPPs to analyze.

CSC took a state-by-state approach to collect plans. Using a map provided to CSC by ISE staff, analysis began with two layers: 1) a polygon file of fire extents[2], and 2) a population density layer[3]. This allowed CSC researchers to create a list of affected county, and to whatever extent possible, sub-county geographies in each state. Researchers were primarily concerned with geographies where the "plurality" of the fire extent covered. At the discretion of the CSC Project Manager and researchers, the geography affected by *most* of a fire was identified and included in our database. **Figure B-1** identifies a fire that affected two counties. For the purpose of this research, County A was included in our database as directly affected by fire, and CSC collected a CWPP from County A to include in this research.

**Figure B-1**




Assuming that this research is concerned with areas affected by wildfires since 2004 *that contain people*, fires were matched with geographic jurisdictions. Researchers then collected CWPPs from the Internet for each of these geographies affected by fire.

Initially, CSC looked at areas affected by fire in the so-called "fire extent" as well as a 10-mile buffer zone constructed around each extent. These geographies are recorded in the data collection files as "Fire Extent" and "10-Mile Buffer." To prioritize plans for review, CSC selected CWPPs for jurisdictions *directly affected by the plurality of a fire's extent.* **Figure B-2** presents the same scenario, but with the information regarding population density considered. In this

[2] Information re: source of fire extents, definitions, etc.

[3] Info re: population density map layer

case, CSC collected CWPP documents from both County A and County B, as available. See **Table B-1** for a complete list of those fires covered by this analysis' sample.

**Figure B-2**

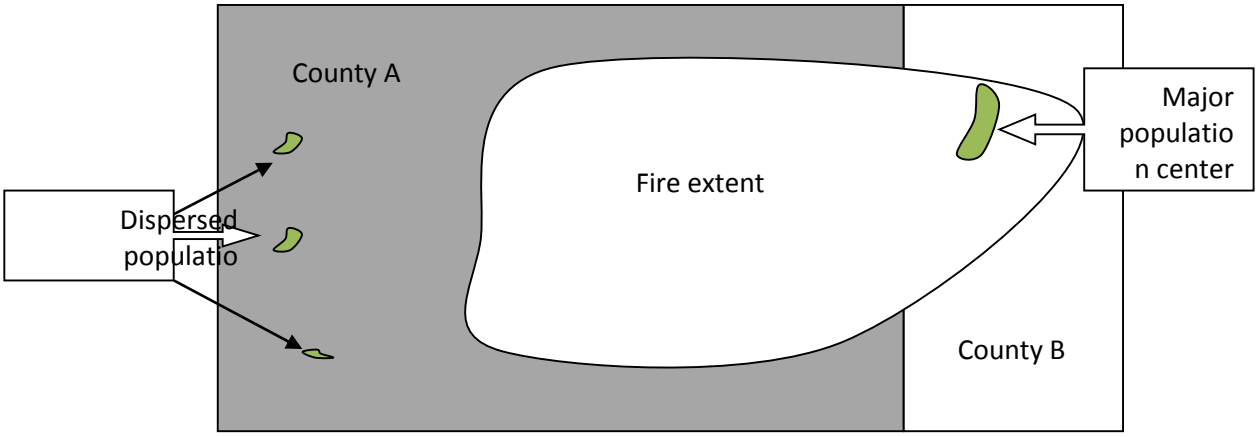



**Table B-1**

| ShortID | Fire Name | County | State |
|---|---|---|---|
| AUG-08 | AUGUST | Yavapai County | AZ |
| BAR-05 | BART | Maricopa County | AZ |
| BEA-06 | BEAVERHEAD | Greenlee County | AZ |
| BIR-07 | BIRDIE | Coconino County | AZ |
| BRI-06 | BRINS | Coconino County | AZ |
| BUT-05 | BUTTE | Yavapai County | AZ |
| CAN-09 | CANELO | Santa Cruz County | AZ |
| CHE-09 | CHEVLON COMPLEX (WEIMER) | Coconino County | AZ |
| CTY-07 | CHITTY | Greenlee County | AZ |
| EDG-05 | EDGE | Maricopa County | AZ |
| FRY-08 | FRYE MESA | Graham County | AZ |
| HUM-05 | HUMBOLDT | Maricopa County | AZ |
| KP-04 | KP | Greenlee County | AZ |
| PAR-10 | PARADISE | Greenlee County | AZ |
| PT2-06 | POTATO | Navajo County | AZ |
| REA-09 | REAL | Coconino County | AZ |
| REN-09 | RENO | Greenlee County | AZ |
| RMR-06 | ROMERO | Pima County | AZ |
| SHZ-10 | SCHULTZ | Coconino County | AZ |
| THF-04 | THREE FORKS | Apache County | AZ |

| | | | |
|---|---|---|---|
| TIG-06 | TIGER | Yavapai County | AZ |
| TUR-10 | TURKEY | Apache County | AZ |
| WEB-04 | WEBBER | Gila County | AZ |
| WIL-04 | WILLOW | Yavapai County | AZ |
| ANG-07 | ANGORA | El Dorado County | CA |
| ANT-08 | ANTHONY MILNE | Siskiyou County | CA |
| BAC-08 | BACK | Lake County | CA |
| BAK-06 | BAKE-OVEN | Trinity County | CA |
| BAL-06 | BALD | Santa Barbara County | CA |
| BAS-06 | BASSETTS | Sierra County | CA |
| BBN-09 | BACKBONE | Trinity County | CA |
| BC1-06 | BALLS CANYON | Sierra County | CA |
| BC2-07 | BALLS CANYON | Sierra County | CA |
| BEL-08 | BELDEN | Plumas County | CA |
| BGM-09 | BIG MEADOW | Mariposa County | CA |
| BLR-07 | BUTLER 2 | San Bernardino County | CA |
| BON-08 | BONANZA | Trinity County | CA |
| BOU-06 | BOULDER | Plumas County | CA |
| BSN-08 | BASIN COMPLEX | Monterey County | CA |
| BUC-08 | BUCKHORN | Trinity County | CA |
| BUL-10 | BULL | Tulare County | CA |
| CAC-04 | CACHUMA | Santa Barbara County | CA |
| CAR-08 | CARIBOU | Siskiyou County | CA |
| CED-08 | CEDAR | Trinity County | CA |
| CEL-08 | CELINA | Sierra County | CA |
| CHA-08 | CHALK | Monterey County | CA |
| CHI-07 | CHINA | Siskiyou County | CA |
| CLD-08 | COLD | Plumas County | CA |
| CLO-08 | CLOVER | Tulare County | CA |
| COL-04 | COLE COMPLEX | Mono County | CA |
| CRA-04 | CRAG | Tulare County | CA |
| CRY-08 | CAREY | Trinity County | CA |
| CUB-08 | CUB | Tehama County | CA |
| CYN-10 | CANYON | Kern County | CA |
| DAY-06 | DAY | Ventura County | CA |
| DEE-04 | DEEP | Tulare County | CA |
| DER-05 | DEER | Lake County | CA |

| | | | |
|---|---|---|---|
| EAG-08 | EAGLE | Trinity County | CA |
| EAR-04 | EARLY | Tuolumne County | CA |
| ELK-07 | ELK | Siskiyou County | CA |
| EME-06 | EMERALD | San Bernardino County | CA |
| FLE-07 | FLETCHER | Modoc County | CA |
| GAP-08 | GAP | Santa Barbara County | CA |
| GLO-09 | GLORIA | Monterey County | CA |
| GOL-07 | GOLDLEDGE | Kern County | CA |
| GOV-08 | GOVERNMENT | Placer County | CA |
| GRA-08 | GRASS VALLEY | San Bernardino County | CA |
| GRO-07 | GROUSE | Tulare County | CA |
| GRS-06 | GREASE | Plumas County | CA |
| GUI-09 | GUIBERSON | Ventura County | CA |
| HAN-06 | HANCOCK | Siskiyou County | CA |
| HIG-07 | HIGHWAY | Sierra County | CA |
| HOR-06 | HORSE | San Diego County | CA |
| HUN-06 | HUNTER | Mendocino County | CA |
| IRN-08 | IRON | Trinity County | CA |
| IRO-08 | IRONSIDE | Trinity County | CA |
| JAC-06 | JACKASS | Mono County | CA |
| JAK-08 | JAKE | Siskiyou County | CA |
| JAM-07 | JAMES | Kern County | CA |
| JES-09 | JESUSITA | Santa Barbara County | CA |
| KCK-07 | KING CREEK | Siskiyou County | CA |
| KIN-06 | KINGSLEY | Tehama County | CA |
| KNI-09 | KNIGHT | Tuolumne County | CA |
| LAZ-07 | LAZY | Trinity County | CA |
| LIM-08 | LIME | Trinity County | CA |
| LIT-07 | LITTLE GRIDER | Siskiyou County | CA |
| LOC-09 | LOCKHEED | Santa Cruz County | CA |
| MCD-10 | MCDONALD | Lassen County | CA |
| MIL-08 | MILL | Siskiyou County | CA |
| MIN-08 | MINERS | Trinity County | CA |
| MOO-07 | MOONLIGHT | Plumas County | CA |
| NOB-08 | NOBLE | Tehama County | CA |
| NOR-08 | NORTH MTN | Tuolumne County | CA |
| OLI-08 | OLIVER | Mariposa County | CA |

| | | | |
|---|---|---|---|
| PAN-06 | PANTHER | Trinity County | CA |
| PER-06 | PERKINS | Santa Barbara County | CA |
| PET-08 | PETERSON | Shasta County | CA |
| PIN-07 | PINE | San Diego County | CA |
| PIT-08 | PIT | Plumas County | CA |
| PN2-08 | PANTHER | Siskiyou County | CA |
| POW-05 | POWER | Amador County | CA |
| QUA-08 | QUARRY | Plumas County | CA |
| RAL-06 | RALSTON | Placer County | CA |
| RCH-08 | RANCH | Los Angeles County | CA |
| RCO-07 | RANCHO | Santa Barbara County | CA |
| RIC-08 | RICH | Plumas County | CA |
| RSH-06 | RUSH | Siskiyou County | CA |
| SAG-07 | SAGE | Inyo County | CA |
| SHC-10 | SHEEP COMPLEX | Fresno County | CA |
| SIL-08 | SILVER CREEK | Mono County | CA |
| SIM-04 | SIMS | Humboldt County | CA |
| SNK-08 | SLINKARD | Siskiyou County | CA |
| SOM-06 | SOMES | Humboldt County | CA |
| SOU-04 | SOURCE | Madera County | CA |
| SWN-08 | SHERWIN | Mono County | CA |
| TIT-06 | TITUS | Siskiyou County | CA |
| TUO-04 | TUOLUMNE | Tuolumne County | CA |
| UNC-06 | UNCLES | Siskiyou County | CA |
| WAL-07 | WALLOW | Trinity County | CA |
| WHE-07 | WHEELER | Plumas County | CA |
| WHI-08 | WHISKEY | Glenn County | CA |
| WIN-07 | WINGATE | Siskiyou County | CA |
| WIT-08 | WITCH | San Diego County | CA |
| ZAC-07 | ZACA | Santa Barbara County | CA |
| ZEI-08 | ZEIGLER | Trinity County | CA |
| ALK-10 | ALKALI | Moffat County | CO |
| FOU-10 | FOURMILE CANYON | Boulder County | CO |
| LIO-06 | LION CREEK | Montrose County | CO |
| MAS-05 | MASON | Custer County | CO |
| MED-10 | MEDANO | Saguache County | CO |
| NAR-09 | NARRAGUINNEP | Dolores County | CO |

| | | | |
|---|---|---|---|
| QY2-09 | QUARRY | El Paso County | CO |
| BB1-06 | BLACK BUTTE | Idaho County | ID |
| BB2-10 | BLACK BUTTE | Owyhee County | ID |
| BCF-05 | BLACK CANYON FACE | Clearwater County | ID |
| BGD-10 | BIG DRAW | Owyhee County | ID |
| BIG-10 | BIG | Ada County | ID |
| BJN-07 | BOUNDARY JUNCTION | Idaho County | ID |
| BKS-10 | BLACKSHEEP | Owyhee County | ID |
| BOW-10 | BOWEN | Power County | ID |
| BP2-07 | BLACK PINE 2 | Cassia County | ID |
| BRN-06 | BURNT | Valley County | ID |
| BSP-04 | BEAR SPRING | Lemhi County | ID |
| BTR-10 | BEAR TRAP | Minidoka County | ID |
| C10-05 | CHINA TEN | Idaho County | ID |
| CAB-04 | CABIN CREEK | Lemhi County | ID |
| CLE-07 | CLEAR SAGE | Lemhi County | ID |
| COU-06 | COUGAR | Valley County | ID |
| CSR-07 | CASTLE ROCK | Blaine County | ID |
| CUD-06 | CUDDY | Adams County | ID |
| CWB-10 | CROWBAR | Owyhee County | ID |
| DOL-04 | DOLLAR | Valley County | ID |
| EHN-06 | ELKHORN | Lemhi County | ID |
| EMY-10 | EMERY | Cassia County | ID |
| ERR-06 | EAST ROARING | Elmore County | ID |
| FCK-05 | FALLS CREEK | Lemhi County | ID |
| GCK-05 | GRANITE CREEK | Idaho County | ID |
| GRG-05 | GREGORY | Boise County | ID |
| GRN-06 | GREEN ACRES | Idaho County | ID |
| GYC-07 | GRAY'S CREEK | Adams County | ID |
| HOT-10 | HOT TEA | Elmore County | ID |
| HRT-07 | HORTON | Valley County | ID |
| JEF-10 | JEFFERSON | Jefferson County | ID |
| LAI-10 | LAID LAW | Lincoln County | ID |
| LBC-10 | LITTLE BEAVER COMPLEX | Valley County | ID |
| LIG-06 | LIGHTNING | Idaho County | ID |
| LON-10 | LONG BUTTE | Owyhee County | ID |
| MEA-06 | MEADOW | Idaho County | ID |

| | | | |
|---|---|---|---|
| MID-10 | MIDDLE BUTTE | Bingham County | ID |
| MON-07 | MONUMENTAL | Valley County | ID |
| MUL-10 | MULE CREEK | Twin Falls County | ID |
| POT-06 | POTATO | Custer County | ID |
| RAI-07 | RAINES | Idaho County | ID |
| RAT-06 | RATTLESNAKE | Valley County | ID |
| RBR-10 | RAINBOW ROAD | Cassia County | ID |
| RMN-06 | RED MOUNTAIN | Boise County | ID |
| ROO-10 | ROOSTER ROCK | Power County | ID |
| RS2-07 | RATTLESNAKE | Idaho County | ID |
| SAI-10 | SAILOR CREEK | Owyhee County | ID |
| SBK-08 | SOUTH BARKER | Elmore County | ID |
| SHO-07 | SHOWERBATH | Custer County | ID |
| SHT-07 | SHEEP TRAIL | Valley County | ID |
| STO-06 | STONE 2 | Oneida County | ID |
| STR-10 | SOUTH TRAIL | Elmore County | ID |
| SUM-06 | SUMMIT | Valley County | ID |
| TAI-06 | TAILHOLT CREEK | Valley County | ID |
| THD-06 | TRAILHEAD | Boise County | ID |
| TRA-06 | TRAIL CREEK | Custer County | ID |
| ULM-06 | ULM PEAK | Shoshone County | ID |
| VAN-06 | VAN METER | Valley County | ID |
| WES-05 | WEST FORK | Idaho County | ID |
| WMS-07 | WARM SPRINGS | Washington County | ID |
| BGC-06 | BIG CREEK | Park County | MT |
| CAM-05 | CAMP 32 | Lincoln County | MT |
| DBY-06 | DERBY | Sweet Grass County | MT |
| GAS-06 | GASH | Ravalli County | MT |
| HOL-06 | HOLLAND PEAK | Missoula County | MT |
| ITR-09 | INDIAN TRAIL | Lewis and Clark County | MT |
| MAD-07 | MADISON ARM | Gallatin County | MT |
| SAW-07 | SAWMILL | Granite County | MT |
| SKY-07 | SKYLAND | Flathead County | MT |
| STU-10 | STUMP GULCH | Stillwater County | MT |
| TAR-05 | TARKIO | Mineral County | MT |
| TIN-07 | TIN CUP | Ravalli County | MT |
| WMN-05 | WEST MOUNTAIN | Mineral County | MT |

| | | | |
|---|---|---|---|
| EH2-08 | ELKHORN 2 | Nye County | NV |
| ESR-08 | E. SLIDE ROCK RIDGE | Elko County | NV |
| HAW-07 | HAWKENS | Washoe County | NV |
| HOY-09 | HOYT | Churchill County | NV |
| RCK-10 | ROCK CREEK | Washoe County | NV |
| RRK-09 | RED ROCK | Washoe County | NV |
| SEV-10 | SEVEN TROUGHS | Pershing County | NV |
| WAT-04 | WATERFALL | Carson City | NV |
| 784-07 | 0784 | Deschutes County | OR |
| 7BC-08 | 0741 BRIDGE CREEK | Crook County | OR |
| BAT-07 | BATTLE CREEK | Wallowa County | OR |
| BCX-10 | BUCKHORN COMPLEX | Gilliam County | OR |
| BLI-06 | BLISTER | Clackamas County | OR |
| BLO-05 | BLOSSOM | Curry County | OR |
| BLU-06 | BLUEGRASS | Hood River County | OR |
| BOZ-09 | BOZE | Douglas County | OR |
| BPT-07 | BALL POINT | Wasco County | OR |
| BRC-05 | BURNT CABIN | Umatilla County | OR |
| CYC-05 | CHERRY CREEK | Wallowa County | OR |
| EGL-07 | SILVER FIRE | Harney County | OR |
| FIV-10 | FIVE CREEKS PHASE 3 | Harney County | OR |
| FLY-05 | FLY | Union County | OR |
| GNA-08 | GNARL RIDGE | Hood River County | OR |
| GPP-07 | GRAPPLE | Grant County | OR |
| GSY-04 | GRASSY | Lake County | OR |
| HMT-08 | HORSE MOUNTAIN | Josephine County | OR |
| JIM-06 | JIM CREEK | Wallowa County | OR |
| KIT-08 | KITSON | Lane County | OR |
| LKG-06 | 0668 - LAKE GEORGE | Jefferson County | OR |
| LOW-10 | LOWER DESCHUTES COMPLEX (TYGH RIDGE) | Wasco County | OR |
| MAX-06 | 0564 - MAXWELL FIRE | Wheeler County | OR |
| MCL-06 | MCLEAN CREEK | Baker County | OR |
| MFK-08 | MIDDLE FORK | Klamath County | OR |
| MPK-05 | MULE PEAK | Union County | OR |
| MUD-09 | MUDDY CREEK | Jefferson County | OR |
| NFC-09 | NORTH FORK COMPLEX | Grant County | OR |
| NFK-08 | NORTH FORK | Douglas County | OR |

| | | | |
|---|---|---|---|
| OAK-10 | OAK FLAT | Josephine County | OR |
| OAT-09 | OATMAN | Harney County | OR |
| OTT-07 | OTTER CREEK | Grant County | OR |
| POE-07 | POE CABIN | Wallowa County | OR |
| PUZ-06 | PUZZLE | Linn County | OR |
| RBC-09 | RAINBOW CREEK | Douglas County | OR |
| RDH-07 | RED HILL | Morrow County | OR |
| RM2-06 | RED MOUNTAIN | Baker County | OR |
| ROY-08 | 1025  ROYCE BUTTE | Klamath County | OR |
| SHA-06 | SHARPS RIDGE | Grant County | OR |
| SML-09 | SOUTH MALHEUR LAKE RX | Harney County | OR |
| TCK-07 | TROUT CREEK | Union County | OR |
| THO-06 | THORN CREEK | Grant County | OR |
| TMB-09 | TUMBLEBUG | Lane County | OR |
| TRC-05 | TURNER CREEK | Wallowa County | OR |
| TRO-07 | TROUT MEADOWS | Grant County | OR |
| TRY-05 | TRYON | Wallowa County | OR |
| TWI-06 | TWIN LAKES | Wallowa County | OR |
| UTC-10 | UTC WUI UB | Lake County | OR |
| WLC-10 | WHITE LIGHTNING COMPLEX (YOUTHER) | Wasco County | OR |
| WMC-09 | WILLIAMS CREEK | Douglas County | OR |
| ANN-06 | ANNABELLA | Sevier County | UT |
| BGP-09 | BIG POLE | Tooele County | UT |
| BLS-05 | BLUE SPRINGS | Washington County | UT |
| BRG-09 | BRIDGE | Garfield County | UT |
| BRO-09 | BROKEN RIDGE | Iron County | UT |
| CCY-08 | CORNER CANYON | Salt Lake County | UT |
| CRN-08 | CORN CREEK | Garfield County | UT |
| DEV-06 | DEVILS DEN | Millard County | UT |
| DOG-06 | DOG VALLEY | Millard County | UT |
| HW2-04 | HAWKINS 2 | Washington County | UT |
| MAC-10 | MACHINE GUN | Salt Lake County | UT |
| MLF-09 | MILL FLAT | Washington County | UT |
| POR-08 | PORCUPINE RANCH | Grand County | UT |
| SCY-09 | SAWMILL CANYON | Millard County | UT |
| SNC-06 | SUNSET CANYON | Millard County | UT |
| TCY-10 | TWITCHELL CANYON | Piute County | UT |

| | | | |
|---|---|---|---|
| WHR-09 | WHITE ROCKS 1 | Tooele County | UT |
| BAI-10 | BAIRD SPRINGS | Grant County | WA |
| BG2-06 | BEAR GULCH II | Mason County | WA |
| CCK-06 | CEDAR CREEK | Okanogan County | WA |
| CDS-08 | COLD SPRINGS | Skamania County | WA |
| COW-10 | COWICHE MILL | Yakima County | WA |
| DHB-04 | DEEP HARBOR | Chelan County | WA |
| DIR-05 | DIRTY FACE | Chelan County | WA |
| DRY-09 | DRY CREEK COMPLEX | Yakima County | WA |
| DSV-09 | DISCOVERY | Yakima County | WA |
| EUR-10 | EUREKA | Walla Walla County | WA |
| FSC-04 | FISCHER | Chelan County | WA |
| FZO-04 | FREEZOUT | Okanogan County | WA |
| HUB-10 | HUBBARD | Columbia County | WA |
| ICI-04 | ICICLE | Chelan County | WA |
| ODE-09 | ODEN ROAD | Okanogan County | WA |
| POL-06 | POLLALIE | Kittitas County | WA |
| SCH-05 | SCHOOL | Columbia County | WA |
| SPU-06 | SPUR PEAK | Okanogan County | WA |
| SWA-10 | SWAKANE | Chelan County | WA |
| TAT-06 | TATOOSH | Okanogan County | WA |
| TPC-06 | TRIPOD COMPLEX | Okanogan County | WA |
| UNN-10 | UNNAMED | Franklin County | WA |
| WMB-04 | WILLIAMS BUTTE | Okanogan County | WA |

# Appendix C: Data Collection Instrument

The following appendix contains PDF versions of the Qualtrics data collection instrument as it appeared for student researchers. Immediately following this version is an exported version of the data collection instrument, indicating values used to code responses to each question, as well as skip sequences included to allow researchers to efficiently use this tool.

## CWPP Coding

**Metadata**

**Please enter your initials:**

**This section will ask questions regarding metadata associated with this Community Wildfire Protection Plan.**

**What is the name of the plan you are coding?**

**Please record the following attributes:**

| | |
|---|---|
| Date of Plan (MM/DD/YYYY) | |
| Plan File Name | |
| County(ies) | |
| Sub-county Geography (if any) | |
| Number of Pages (PDF pages) | |

**Is this plan an update?**

- ○ Yes
- ○ No

**How many updates have been made to the plan?**

- ○ Include number:
- ○ Could not be determined

**When was the last update made?**

**Please include any notes regarding metadata:**

**Integration**

**This section will ask about the relationship of this CWPP to other community/regional plans.**

**Does the plan call out existing community plans?**

- ○ Yes
- ○ No

**Indicate the types of plans or initiatives referenced in this CWPP: (check all that apply)**

- ☐ Hazard Mitigation Plan
- ☐ Development Ordinances
- ☐ Legislation other than HFRA (i.e. FEMA, NEPA, State Acts, Executive Orders)
- ☐ Comprehensive Plan
- ☐ Environmental Protection Plan
- ☐ Emergency Operations Plan
- ☐ Watershed Plan
- ☐ Other CWPPs
- ☐ Other

**Is the CWPP clearly integrated into another planning process or document?**

- ○ Yes
- ○ No

**Please include any notes about the relationship of this CWPP to other community/regional plans.**

**Planning Process**

## This section will ask questions about the planning process that produced this CWPP.

**Please indicate which organizations provided funding for this CWPP: (check all that apply)**

- ☐ State forestry or natural resource agency
- ☐ National Forest Service
- ☐ Bureau of Land Management
- ☐ Bureau of Indian Affairs
- ☐ National Park Service
- ☐ US Fish and Wildlife Service
- ☐ Neighborhood association
- ☐ Local fire district
- ☐ County or municipal government
- ☐ Foundation
- ☐ Non-profit
- ☐ Title III Funds
- ☐ Other
- ☐ Could not be determined

**This CWPP was prepared by: (check all that apply)**

- ☐ Consultant
- ☐ Local fire district
- ☐ Tribal Government
- ☐ Neighborhood association
- ☐ County Planning department
- ☐ Soil and water conservation district
- ☐ Watershed council
- ☐ Environmental organization
- ☐ Other nonprofit organization
- ☐ Timber industry

- [ ] County Emergency Management
- [ ] Other county government
- [ ] City government
- [ ] Other
- [ ] Could not be determined

**This CWPP was prepared for:**

- [ ] County
- [ ] State government
- [ ] Other Local jurisdiction
- [ ] Community group
- [ ] Neighborhood association
- [ ] Fire protection association
- [ ] Fire District
- [ ] Natural resource collaborative, stewardship group or watershed association
- [ ] Federal land management agency
- [ ] Other
- [ ] Could not be determined

**Please indicate each unique organization that participated in developing/updating the plan: (check all that apply)**

- [ ] Consultant
- [ ] Fire Advocacy Organization
- [ ] State forestry
- [ ] State natural resource agency
- [ ] Other state agency
- [ ] National Forest Service
- [ ] Bureau of Land Management
- [ ] Bureau of Indian Affairs
- [ ] Tribal Government
- [ ] National Park Service
- [ ] US Fish and Wildlife Service
- [ ] Neighborhood association
- [ ] Local fire district
- [ ] County Planning department
- [ ] County Emergency Management
- [ ] Other county government
- [ ] City government
- [ ] Sheriff's Office
- [ ] Educational Institution
- [ ] Foundation
- [ ] Soil and water conservation district
- [ ] Watershed council
- [ ] Environmental organization (non-watershed council)
- [ ] Other nonprofit organization
- [ ] Timber industry
- [ ] Could not be determined
- [ ] Other

**Does the CWPP describe any public engagement events (such as stakeholder meetings, focus groups, etc.) that helped to guide the creation of this document?**

- ○ Yes
- ○ No

**Please indicate which events (and how many) were held in preparation of this CWPP : (check all that apply and include number of events in the box)**

- [ ] Public meetings
- [ ] Stakeholder meetings
- [ ] Survey
- [ ] Other

**How many total stakeholder participants are identified as having participated in developing/updating the plan?**

Enter number: ○

Cannot be determined ○

**How many total public participants are identified as having participated in developing/updating the plan?**

Enter Number ○ Cannot be determined ○

**Please include any notes about the planning process conducted in the drafting of this CWPP.**

**Risk Assessment**

## This section will ask questions regarding the risk assessment conducted for this CWPP.

**Does the CWPP's Risk Assessment analyze fire's impact on: (check all that apply)**

- ☐ Health and safety of persons in the affected area at the time of the incident (injury and death)
- ☐ Health and safety of personnel responding to the incident
- ☐ Continuity of government operations
- ☐ Property, facilities, assets, and critical infrastructure
- ☐ Delivery of goods and services
- ☐ Environmental Preservation
- ☐ Economic and financial conditions
- ☐ Regulatory and contractual obligations
- ☐ Other

**Does the CWPP catalog existing: (check all that apply)**

- ☐ Fire suppression resources (i.e. engines, water sources, people)
- ☐ Prevention capabilities (i.e. existing educational programs)
- ☐ Communication capabilities across agencies

**Does the CWPP define the Wildland Urban Interface (WUI)?**

- ○ Yes
- ○ No

**Is this WUI definition roughly the same as the following definition?**

**(I) an area extending ½ mile from the boundary of an at-risk community;**

- ○ Yes
- ○ No

**(II) an area within 1 ½ miles of the boundary of an at-risk community, including any land that**
**a. has a sustained steep slope that creates the potential for wildfire behavior endangering the at-risk community;**
**b. has a geographic feature that aids in creating an effective fire break, such as a road or ridge top; or**
**c. is in condition class 3, as documented by the Secretary in the project-specific environmental analysis;**

- ○ Yes
- ○ No

**(III) an area that is adjacent to an evacuation route for an at-risk community that the Secretary determines, in cooperation with the at-risk community, requires hazardous fuels reduction to provide safer evacuation form the at-risk community." [HFRA Section 101 (16)]**

- ○ Yes
- ○

**Does the plan include another definition of the WUI?**

- ○ Yes. Please describe:
- ○ No

**Does the CWPP present a community map?**

- ○ Yes
- ○ No

**Do the CWPP maps identify the following: (check all that apply)**

- ☐ Cities & Towns
- ☐ Street names
- ☐ Population zones at risk to wildland fire
- ☐ Designation of the WUI zone
- ☐ Public land
- ☐ Water sources
- ☐ Critical habitats/species
- ☐ Transportation corridors
- ☐ Private timber stands
- ☐ Archaeological sites
- ☐ Campgrounds/Recreation Sites
- ☐ Public safety facilities (Fire, law enforcement, etc.)
- ☐ Communication networks
- ☐ Public utilities (Electric, gas)
- ☐ Other
- ☐ Could not be determined

**Are areas of the map identified as higher or lower risk of wildfire?**

- ○ Yes
- ○ No

**Please include any notes regarding this CWPP's risk assessment.**

**Plan Content**

## This section will ask questions regarding the content of this CWPP.

**A vision/mission statement presents an aspiration, in broad terms, of what this plan will achieve. Does the plan include a vision/mission statement?**

- ○ Yes
- ○ No

**A Goal statement presents one or more desired outcomes that may result from the effective execution of this CWPP. An Objective is a more detailed means of achieving a desired outcome. It may include process steps or elaborate upon stated goals. Does the plan include goal/objective statements?**

- ○ Yes
- ○ No

**Which of the following goals/objectives are addressed in this CWPP?**

- [ ] Prevention of human/livestock injury
- [ ] Citizen awareness & education
- [ ] Enhanced risk assessment
- [ ] Fuels reduction
- [ ] Reducing Structural ignitability
- [ ] Capacity to stay and defend / shelter in place
- [ ] Evacuation capabilities
- [ ] Increasing fire suppression capacity (i.e. equipment, volunteers)
- [ ] Limitation of property loss
- [ ] Community/public preparedness
- [ ] Proper addressing
- [ ] Collaboration of government agencies
- [ ] Preserve forest ecology
- [ ] Other:

**Does the plan identify priority geographic areas for hazardous fuel reduction treatments?**

- ○ Yes
- ○ No

**How were areas prioritized? (check all that apply)**

- [ ] GIS Analysis
- [ ] Aggregated out of existing agency plans
- [ ] Stakeholder input
- [ ] Other
- [ ] Could not be determined

**What treatment types/methods are represented? (check all that apply)**

- [ ] Creating fuel breaks (i.e. along roadways)
- [ ] Creating defensible space by removing fuels (slash, underbrush, deadfall, etc.)
- [ ] Fire-resistant landscaping (introducing fire-resistant vegetation)
- [ ] Assuring Emergency Services access (road width)
- [ ] Stand Thinning
- [ ] Perscribed burns
- [ ] Augmenting access to water sources
- [ ] Other
- [ ] None of the above

**Are the recommended treatments linked to specific projects or places on the landscape?**

- ○ Yes
- ○ No

**Does the plan identify any of the following non-treatment related actions or strategies?**

- [ ] Education & outreach
- [ ] Resident certification process
- [ ] Emergency preparedness & response improvement
- [ ] Interagency communication improvement
- [ ] Recruitment of volunteers
- [ ] Development of Regional programs
- [ ] Inclusion of Firewise community guidelines
- [ ] Improvement of protection capability (equipment, infrastructure, water resources)
- [ ] Other
- [ ] None of the above

**Are the recommended treatments linked to specific projects or places on the landscape?**

- ○ Yes
- ○ No

**Please include any notes regarding this CWPP's content.**

**Implementation**

## This section will ask questions regarding the implementation of this CWPP.

**Does the plan identify a specific lead coordinator or convener to oversee the implementation of the plan?**

- ○ Yes
- ○ No

**The coordinator or convener is from what agency(ies)?**

- ☐ Consultant
- ☐ State forestry or natural resource agency
- ☐ Other state agency
- ☐ National Forest Service
- ☐ Bureau of Land Management
- ☐ Bureau of Indian Affairs
- ☐ National Park Service
- ☐ US Fish and Wildlife Service
- ☐ Neighborhood association
- ☐ Local fire district
- ☐ County Planning department
- ☐ Other county government
- ☐ City government
- ☐ Foundation
- ☐ Soil and water conservation district
- ☐ Watershed council
- ☐ Environmental organization
- ☐ Other nonprofit organization
- ☐ Timber industry
- ☐ Forestry contractors
- ☐ Other
- ☐ Could not be determined

**Does the plan identify a plan/program advisory committee to guide the implementation process?**

- ○ Yes
- ○ No

**The advisory committee is comprised of members of which agency(ies)?**

- ☐ » Consultant
- ☐ » Fire Advocacy Organization
- ☐ » State forestry
- ☐ » State natural resource agency
- ☐ » Other state agency
- ☐ » National Forest Service
- ☐ » County Emergency Management
- ☐ » Other county government
- ☐ » City government
- ☐ » Sheriff's Office
- ☐ » Educational Institution
- ☐ » Foundation

- [ ] » Bureau of Land Management
- [ ] » Bureau of Indian Affairs
- [ ] » Tribal Government
- [ ] » National Park Service
- [ ] » US Fish and Wildlife Service
- [ ] » Neighborhood association
- [ ] » Local fire district
- [ ] » County Planning department
- [ ] » Soil and water conservation district
- [ ] » Watershed council
- [ ] » Environmental organization (non-watershed council)
- [ ] » Other nonprofit organization
- [ ] » Timber industry
- [ ] » Could not be determined
- [ ] » Other

**Action items describe tasks or activities that are performed to accomplish a goal or objective. Does the CWPP contain action items?**

- ○ Yes
- ○ No

**Does the CWPP identify action items related to any of the following treatments? (check all that apply)**

- [ ] Fuels reduction
- [ ] Creating defensible space/fuel breaks
- [ ] Reducing structural vulnerability
- [ ] Maintenance of critical access and evacuation routes
- [ ] Ingress – Egress
- [ ] Increasing Emergency Services capabilities
- [ ] Recruiting volunteers
- [ ] Increasing fire suppression and prevention resources
- [ ] Education/certification process for residents
- [ ] Further planning efforts for specific geograhies
- [ ] None of the above

**Does the plan identify resources needed for implementation?**

- ○ Yes
- ○ No

**Does the plan provide anticipated implementation costs?**

- ○ Yes
- ○ No

**Does the plan provide anticipated time schedule for completing implementation?**

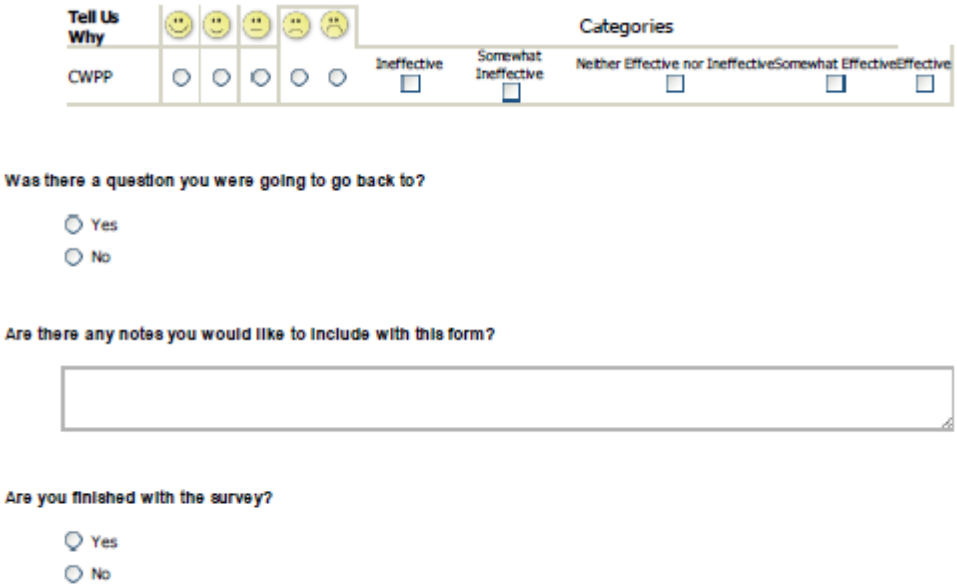
- ○ Yes
- ○ No

**Does the plan identify specific lines of authority during a wildfire?**

- ○ Yes
- ○ No

**Please include any notes regarding the implementation section of this CWPP.**

**How happy does this Community Wildfire Protection Plan make you?**




## Survey Instrument

Q1.1 Please enter your initials:

Q1.2 This section will ask questions regarding metadata associated with this Community Wildfire Protection Plan.

Q1.3 What is the name of the plan you are coding?

Q1.4 Please record the following attributes:

Date of Plan (MM/DD/YYYY) (1)
Plan File Name (2)
County(ies) (3)
Sub-county Geography (if any) (4)
Number of Pages (PDF pages) (5)

Q1.5 Is this plan an update?

- ❍ Yes (9)
- ❍ No (10)

If No Is Selected, Then Skip To Please include any notes regarding me...

Q1.7 How many updates have been made to the plan?

- ❍ Include number: (1) _____
- ❍ Could not be determined (2)

Q1.8 When was the last update made?

- ❍ 2000 (13)
- ❍ 2001 (12)
- ❍ 2002 (11)
- ❍ 2003 (10)
- ❍ 2004 (1)
- ❍ 2005 (2)
- ❍ 2006 (3)
- ❍ 2007 (4)
- ❍ 2008 (5)
- ❍ 2009 (6)
- ❍ 2010 (7)
- ❍ 2011 (8)
- ❍ 2012 (9)

Q1.11 Please include any notes regarding metadata:

Q2.1 This section will ask about the relationship of this CWPP to other community/regional plans.

Q2.2 Does the plan call out existing community plans?

- ❍ Yes (1)
- ❍ No (2)

If No Is Selected, Then Skip To Does the plan stand alone or is it cl...

Q2.3 Indicate the types of plans or initiatives referenced in this CWPP: (check all that apply)

- ❑ Hazard Mitigation Plan (1)
- ❑ Development Ordinances (2)
- ❑ Legislation other than HFRA (i.e. FEMA, NEPA, State Acts, Executive Orders) (9)
- ❑ Comprehensive Plan (3)
- ❑ Environmental Protection Plan (4)
- ❑ Emergency Operations Plan (5)
- ❑ Watershed Plan (6)
- ❑ Other CWPPs (7)
- ❑ Other (8) _____

Q2.4 Is the CWPP clearly integrated into another planning process or document?

- ❍ Yes (1)
- ❍ No (2)

Q2.5 Please include any notes about the relationship of this CWPP to other community/regional plans.

Q3.1 This section will ask questions about the planning process that produced this CWPP.

Q3.2 Please indicate which organizations provided funding for this CWPP: (check all that apply)

- ❑ State forestry or natural resource agency (1)
- ❑ National Forest Service (2)
- ❑ Bureau of Land Management (3)
- ❑ Bureau of Indian Affairs (4)
- ❑ National Park Service (5)
- ❑ US Fish and Wildlife Service (6)
- ❑ Neighborhood association (7)
- ❑ Local fire district (8)
- ❑ County or municipal government (9)
- ❑ Foundation (10)
- ❑ Non-profit (11)
- ❑ Title III Funds (14)
- ❑ Other (12) _____
- ❑ Could not be determined (13)

Q3.3 This CWPP was prepared by: (check all that apply)

- ❑ Consultant (1)
- ❑ Local fire district (10)
- ❑ Tribal Government (6)
- ❑ Neighborhood association (9)
- ❑ County Planning department (11)
- ❑ County Emergency Management (32)
- ❑ Other county government (12) _____
- ❑ City government (13)
- ❑ Soil and water conservation district (15)
- ❑ Watershed council (16)
- ❑ Environmental organization (17)
- ❑ Other nonprofit organization (18) _____
- ❑ Timber industry (19)
- ❑ Other (21) _____
- ❑ Could not be determined (22)

Q3.4 This CWPP was prepared for:

- ❑ County (1)
- ❑ State government (2)
- ❑ Other Local jurisdiction (3) _____
- ❑ Community group (4)
- ❑ Neighborhood association (5)
- ❑ Fire protection association (6)
- ❑ Fire District (11)
- ❑ Natural resource collaborative, stewardship group or watershed association (7)
- ❑ Federal land management agency (8)
- ❑ Other (9) _____
- ❑ Could not be determined (10)

Q3.5 Please indicate each unique organization that participated in developing/updating the plan: (check all that apply)

- ❑ Consultant (1)
- ❑ Fire Advocacy Organization (34)
- ❑ State forestry (2)
- ❑ State natural resource agency (36)
- ❑ Other state agency (3) _____
- ❑ National Forest Service (4)
- ❑ Bureau of Land Management (5)
- ❑ Bureau of Indian Affairs (6)
- ❑ Tribal Government (39)
- ❑ National Park Service (7)
- ❑ US Fish and Wildlife Service (8)
- ❑ Neighborhood association (9)
- ❑ Local fire district (10)
- ❑ County Planning department (11)
- ❑ County Emergency Management (24)
- ❑ Other county government (12) _____
- ❑ City government (13)
- ❑ Sheriff's Office (23)
- ❑ Educational Institution (37)
- ❑ Foundation (14)
- ❑ Soil and water conservation district (15)
- ❑ Watershed council (16)
- ❑ Environmental organization (non-watershed council) (17)
- ❑ Other nonprofit organization (18) _____
- ❑ Timber industry (19)
- ❑ Could not be determined (21)
- ❑ Other (22) _____

Q3.6 Does the CWPP describe any public engagement events (such as stakeholder meetings, focus groups, etc.) that helped to guide the creation of this document?

- ❍ Yes (1)
- ❍ No (2)

If No Is Selected, Then Skip To Please include any notes about the pl...

Q3.7 Please indicate which events (and how many) were held in preparation of this CWPP : (check all that apply and include number of events in the box)

- ❑ Public meetings (1) _____
- ❑ Stakeholder meetings (2) _____
- ❑ Survey (3) _____
- ❑ Other (5) _____

Q3.8 How many total stakeholder participants are identified as having participated in developing/updating the plan?

- ❍ Enter number: (1) _____
- ❍ Cannot be determined (2)

Q3.9 How many total public participants are identified as having participated in developing/updating the plan?

- ❍ Enter Number (1) _____
- ❍ Cannot be determined (2)

Q3.10 Please include any notes about the planning process conducted in the drafting of this CWPP.

Q4.1 This section will ask questions regarding the risk assessment conducted for this CWPP.

Q4.2 Does the CWPP's Risk Assessment analyze fire’s impact on: (check all that apply)

- ❑ Health and safety of persons in the affected area at the time of the incident (injury and death) (1)
- ❑ Health and safety of personnel responding to the incident (2)
- ❑ Continuity of government operations (3)
- ❑ Property, facilities, assets, and critical infrastructure (4)
- ❑ Delivery of goods and services (5)
- ❑ Environmental Preservation (6)
- ❑ Economic and financial conditions (7)
- ❑ Regulatory and contractual obligations (8)
- ❑ Other (9) _____

Q4.3 Does the CWPP catalog existing: (check all that apply)

- ❑ Fire suppression resources (i.e. engines, water sources, people) (1)
- ❑ Prevention capabilities (i.e. existing educational programs) (2)
- ❑ Communication capabilities across agencies (3)

Q4.4 Does the CWPP define the Wildland Urban Interface (WUI)?

- ❍ Yes (1)
- ❍ No (2)

If No Is Selected, Then Skip To Does the CWPP present a community map?

Q4.5 Is this WUI definition roughly the same as the following definition? (i) an area extending ½ mile from the boundary of an at-risk community;

- ❍ Yes (1)
- ❍ No (2)

Q4.6 (ii) an area within 1 ½ miles of the boundary of an at-risk community, including any land that a. has a sustained steep slope that creates the potential for wildfire behavior endangering the at-risk community; b. has a geographic feature that aids in creating an effective fire break, such as a road or ridge top; or c. is in condition class 3, as documented by the Secretary in the project-specific environmental analysis;

- ❍ Yes (1)
- ❍ No (2)

Q4.7 (iii) an area that is adjacent to an evacuation route for an at-risk community that the Secretary determines, in cooperation with the at-risk community, requires hazardous fuels reduction to provide safer evacuation form the at-risk community." [HFRA Section 101 (16)]

- ❍ Yes (1)
- ❍ No (2)

Q4.8 Does the plan include another definition of the WUI?

- ❍ Yes. Please describe: (1) _____
- ❍ No (2)

Q4.9 Does the CWPP present a community map?

- ❍ Yes (1)
- ❍ No (2)

If No Is Selected, Then Skip To Please include any notes regarding th...

Q4.10 Do the CWPP maps identify the following: (check all that apply)

- ❑ Cities & Towns (1)
- ❑ Street names (2)
- ❑ Population zones at risk to wildland fire (3)
- ❑ Designation of the WUI zone (4)
- ❑ Public land (5)
- ❑ Water sources (6)
- ❑ Critical habitats/species (7)
- ❑ Transportation corridors (8)
- ❑ Private timber stands (9)
- ❑ Archaeological sites (10)
- ❑ Campgrounds/Recreation Sites (11)
- ❑ Public safety facilities (Fire, law enforcement, etc.) (12)
- ❑ Communication networks (13)
- ❑ Other (14) _____
- ❑ Could not be determined (15)
- ❑ Public utilities (Electric, gas) (16)

Q4.11 Are areas of the map identified as higher or lower risk of wildfire?

- ❍ Yes (9)
- ❍ No (10)

Q4.12 Please include any notes regarding this CWPP's risk assessment.

Q5.1 This section will ask questions regarding the content of this CWPP.

Q5.2 A Vision/mission statement presents an aspiration, in broad terms, of what this plan will achieve. Does the plan include a vision/mission statement?

- ❍ Yes (1)
- ❍ No (2)

Q5.3 A Goal statement presents one or more desired outcomes that may result from the effective execution of this CWPP. An Objective is a more detailed means of achieving a desired outcome. It may include process steps or elaborate upon stated goals. Does the plan include goal/objective statements?

- ❍ Yes (1)
- ❍ No (2)

Q5.5 Which of the following goals/objectives are addressed in this CWPP?

- ❑ Prevention of human/livestock injury (1)
- ❑ Citizen awareness & education (2)
- ❑ Enhanced risk assessment (3)
- ❑ Fuels reduction (4)
- ❑ Reducing Structural ignitability (10)
- ❑ Capacity to stay and defend / shelter in place (16)
- ❑ Evacuation capabilities (17)
- ❑ Increasing fire suppression capacity (i.e. equipment, volunteers) (18)
- ❑ Limitation of property loss (5)
- ❑ Community/public preparedness (6)
- ❑ Proper addressing (20)
- ❑ Collaboration of government agencies (7)
- ❑ Preserve forest ecology (8)
- ❑ Other: (9) _____

Q5.6 Does the plan identify priority geographic areas for hazardous fuel reduction treatments?

- ❍ Yes (1)
- ❍ No (2)

If No Is Selected, Then Skip To Does the plan recommend treatment typ...

Q5.7 How were areas prioritized? (check all that apply)

- ❑ GIS Analysis (1)
- ❑ Aggregated out of existing agency plans (2)
- ❑ Stakeholder input (3)
- ❑ Other (4) _____
- ❑ Could not be determined (5)

Q5.9 What treatment types/methods are represented? (check all that apply)

- ❑ Creating fuel breaks (i.e. along roadways) (1)
- ❑ Creating defensible space by removing fuels (slash, underbrush, deadfall, etc.) (2)
- ❑ Fire-resistant landscaping (introducing fire-resistant vegetation) (14)
- ❑ Assuring Emergency Services access (road width) (3)
- ❑ Stand Thinning (10)
- ❑ Perscribed burns (9)
- ❑ Augmenting access to water sources (8)
- ❑ Other (12) _____
- ❑ None of the above (13)

Q5.10 Are the recommended treatments linked to specific projects or places on the landscape?

- ❍ Yes (1)
- ❍ No (2)

Q5.11 Does the plan identify any of the following non-treatment related actions or strategies?

- ❑ Education & outreach (1)
- ❑ Resident certification process (2)
- ❑ Emergency preparedness & response improvement (3)

- ❑ Interagency communication improvement (4)
- ❑ Recruitment of volunteers (9)
- ❑ Development of Regional programs (5)
- ❑ Inclusion of Firewise community guidelines (6)
- ❑ Improvement of protection capability (equipment, infrastructure, water resources) (10)
- ❑ Other (7) _____
- ❑ None of the above (8)

If None of the above Is Selected, Then Skip To Please include any notes regarding th...

Q5.12 Are the recommended treatments linked to specific projects or places on the landscape?

- ❍ Yes (1)
- ❍ No (2)

Q5.13 Please include any notes regarding this CWPP's content.

Q6.1 This section will ask questions regarding the implementation of this CWPP.

Q6.2 Does the plan identify a specific lead coordinator or convener to oversee the implementation of the plan?

- ❍ Yes (1)
- ❍ No (2)

If No Is Selected, Then Skip To Does the plan identify a plan/program...

Q6.3 The coordinator or convener is from what agency(ies)?

- ❑ Consultant (1)
- ❑ State forestry or natural resource agency (2)
- ❑ Other state agency (3) _____
- ❑ National Forest Service (4)
- ❑ Bureau of Land Management (5)
- ❑ Bureau of Indian Affairs (6)
- ❑ National Park Service (7)
- ❑ US Fish and Wildlife Service (8)
- ❑ Neighborhood association (9)
- ❑ Local fire district (10)
- ❑ County Planning department (11)
- ❑ Other county government (12) _____
- ❑ City government (13)
- ❑ Foundation (14)
- ❑ Soil and water conservation district (15)
- ❑ Watershed council (16)
- ❑ Environmental organization (17)
- ❑ Other nonprofit organization (18) _____
- ❑ Timber industry (19)
- ❑ Forestry contractors (20)
- ❑ Other (21) _____
- ❑ Identical to Participants (23)
- ❑ Could not be determined (22)

Q6.4 Does the plan identify a plan/program advisory committee to guide the implementation process?

- ❍ Yes (1)
- ❍ No (2)

If No Is Selected, Then Skip To Action items describe tasks or activi...

Q6.5 The advisory committee is comprised of members of which agency(ies)?

Q6.6 Action items describe tasks or activities that are performed to accomplish a goal or objective. Does the CWPP contain action items?

- ❍ Yes (1)
- ❍ No (2)

If No Is Selected, Then Skip To Does the plan identify resources need...

Q6.7 Does the CWPP identify action items related to any of the following treatments? (check all that apply)

- ❑ Fuels reduction (1)
- ❑ Creating defensible space/fuel breaks (2)
- ❑ Reducing structural vulnerability (3)
- ❑ Maintenance of critical access and evacuation routes (4)
- ❑ Ingress – Egress (5)
- ❑ Increasing Emergency Services capabilities (6)
- ❑ Recruiting volunteers (7)
- ❑ Increasing fire suppression and prevention resources (8)
- ❑ Education/certification process for residents (9)
- ❑ Further planning efforts for specific geograhies (10)
- ❑ None of the above (11)

Q6.8 Does the plan identify resources needed for implementation?

- ❍ Yes (1)
- ❍ No (2)

Q6.9 Does the plan provide anticipated implementation costs?

- ❍ Yes (1)
- ❍ No (2)

Q6.10 Does the plan provide anticipated time schedule for completing implementation?

- ❍ Yes (1)
- ❍ No (2)

Q6.11 Does the plan identify specific lines of authority during a wildfire?

- ❍ Yes (1)
- ❍ No (2)

Q6.12 Please include any notes regarding the implementation section of this CWPP.

Q6.13 How happy does this Community Wildfire Protection Plan make you?

| Categories | Sad | Somewhat Sad | Neutral | Somewhat Happy | Happy | Ineffective | Somewhat Ineffective | Neither Effective nor Ineffective | Somewhat Effective | Effective |
|---|---|---|---|---|---|---|---|---|---|---|
| CWPP (2) | ❍ | ❍ | ❍ | ❍ | ❍ | ❑ | ❑ | ❑ | ❑ | ❑ |

Q6.14 Was there a question you were going to go back to?

- ❍ Yes (9)
- ❍ No (10)

Q6.15 Are there any notes you would like to include with this form?

Q6.16 Are you finished with the survey?

- ❍ Yes (1)
- ❍ No (2)

# Appendix D: Coding Instruction Materials

**DEFINITIONS FOR CWPP CODING**

| | |
|---|---|
| Stand-alone Plan | Independent document, not a "branch" or "chapter" of another hazard plan/Regional or State-level CWPP |
| Full Update vs. | A **Full Update** consists of a total revision of previous CWPPs. This will include a revised risk assessment, new plan content, and potentially revised vision/goals/objectives. In some cases a Full Update will draw material from other plans, but will often reiterate/reference the majority of material required by the Healthy Forest Restoration Act (HFRA) and other Fire-related planning norms. |
| Partial Update | A **Partial Update** consists of a brief review of an existing CWPP with the addition of work projects, action items, and/or new geographic analysis that documents both what has already occurred since the last full CWPP was released, to date. |
| Stakeholder | A stakeholder is an individual that has local knowledge or relevant interest in the development of a CWPP (or other planning document). For our purposes, consider stakeholders to be residents, property owners in CWPP-affected areas, or community members such as local officials that participated in the CWPP process. [usually located on an "Acknowledgement" page] |
| Participants | **Participants** in the CWPP process include, but are not limited to: groups named (or representatives thereof) as participants in public meetings, agencies that sign the document, … [signatories, public meeting attendance sheet, noted in the narrative] |
| Transportation corridors | **Corridors** mentioned by the CWPP are likely to be evacuation routes and/or access routes for emergency vehicles. |
| Goals/Objectives/Actions | These may be ambiguous so try to follow the definition supplied in the qualtrics form. I will create a robust list to check these. Action items can be specified based on geographically specific reference and/or implementation leadership, funding requirements. |
| Wildland Urban Interface | WUI definition supplied may be included in general terms. If this is the case, be sure to check "no" – and include the definition supplied in CWPP. Often communities or places will designate their whole county as **WUI** so as to allow funding to flow to certain projects. If this is the case, make sure to note this in the following question re: another definition supplied by the CWPP. |
| Defensible Space | Defined by FireWise |
| Coordinator/convener | A designated individual who oversees the implementation of the CWPP |
| Ingress-egress | Entry/exit of emergency services, related to access |
| Word searches | Count only the word itself (i.e. all occurrences of "require," but not "required") |

## DETAILED METHODS (QUESTION BY QUESTION)

### Q1.5 Is this plan an update?

A plan is considered an update if indicated in the narrative. If no indication of an update is made, the plan is considered to be a full-plan.

### Q1.7 How many updates have been made to the plan?

The number of updates relies on narrative clues. Many plans will cite previous planning efforts around wildfire and hazard mitigation, however the initiation of a Community Wildfire Protection Plan begins a new planning effort. The number of updates **includes** the current document.

### Q1.8 When was the last update made?

The last update refers to the document just preceding the file in question (i.e. an Addendum from 2010 may indicate updates to a 2005 CWPP occurred in 2007 and 2009; 2009 would be the "last update made.")

### Q2.2 Does the plan call out existing community plans?

Mandate for CWPPs is often drawn from previous mitigation planning, comprehensive planning, or other regional or national declarations. Any mention of another plan in the reasoning or foundation of this CWPP constitutes "calling out" a plan.

### Q2.4 Is the CWPP clearly integrated into another planning process or document?

Inclusion as a chapter, component, or expected attachment to another planning document constitutes "integration." CWPPs are often added as chapters to All-Hazards plans, or conducted as preliminary research for such a process. This could constitute an affirmative answer to Q2.4.

### Q3.2 Please indicate which organizations provided funding for this CWPP: (check all that apply)

Funding sources are often mentioned in the narrative, however it is common that various funding sources were referenced in different ways. Some note only the County, for example, while other plans indicate specific grant opportunities such as Title III funds. To add a level of complication, these Title III funds are federal in origin, and are disbursed to counties who then fund CWPP efforts. Coding of this question was driven by the reference in the narrative, or lack thereof.

### Q3.3 This CWPP was prepared by: (check all that apply)

### Q3.4 This CWPP was prepared for:

In an effort to group organizations or entities who develop CWPPs, response options for Q3.3, Q3.4, and Q3.5 are general category "buckets." In some cases, space is provided for description of specific departments or outfits. Though encouraged to categorize departments into these "buckets," Quality Assurance analysis suggests that there is some complication in categorizing certain departments. For example, RC&Ds are in some cases categorized as a non-profit, while in others they are categorized as environmental organizations. Coders were encouraged, if unsure of correct "buckets," to place ambiguous groups in the space provided as "Other."

### Q3.5 Please indicate each unique organization that participated in developing/updating the plan: (check all that apply)

Inclusion in the development, writing, discussion, or mention in any way (including as a signatory) constitutes participation.

### Q3.6 Does the CWPP describe any public engagement events (such as stakeholder meetings, focus groups, etc.) that helped to guide the creation of this document?

Public engagement events that are specifically referenced in either the narrative or appendices of the document constitute an affirmative answer, regardless of their level of specificity (description, attendance, etc.).

**Q3.7 Please indicate which events (and how many) were held in preparation of this CWPP : (check all that apply** and include number of events in the box)

If an event is mentioned but no data is included in the document, events may be checked without any numerical data.

**Q3.8 How many total stakeholder participants are identified as having participated in developing/updating the** plan?

Refer to definitions sheet: "Stakeholder"

**Q3.9 How many total public participants are identified as having participated in developing/updating the plan?**

Refer to definitions sheet: "Public Participant"

**Q3.10 Please include any notes about the planning process conducted in the drafting of this CWPP.**

**Q4.1 This section will ask questions regarding the risk assessment conducted for this CWPP.**

**Q4.2 Does the CWPP's Risk Assessment analyze fire's impact on: (check all that apply)**

It was common for many of these impact categories not to be explicitly mentioned in the narrative of the CWPP. Only explicit references were recorded. The term "analyze" comes directly out of NFPA 1600. Acknowledging analysis of these categories was left to the coder's discretion (no criteria stipulated).

**Q4.3 Does the CWPP catalog existing: (check all that apply)**

Explicit cataloging of information in the plan around the three categories constitutes an affirmative answer.

**Q4.4 Does the CWPP define the Wildland Urban Interface (WUI)?**

Any mention of WUI or Wildland Urban Interface with a description associated is considered a definition.

If No Is Selected, Then Skip To Does the CWPP present a community map?

**Q4.5 Is this WUI definition roughly the same as the following definition? (i) an area extending ½ mile from the boundary of an at-risk community;**

**Q4.6 (ii) an area within 1 ½ miles of the boundary of an at-risk community, including any land that**

**a. has a sustained steep slope that creates the potential for wildfire behavior endangering the at-risk community;**

**b. has a geographic feature that aids in creating an effective fire break, such as a road or ridge top; or**

**c. is in condition class 3, as documented by the Secretary in the project-specific environmental analysis;**

**Q4.7 (iii) an area that is adjacent to an evacuation route for an at-risk community that the Secretary determines, in cooperation with the at-risk community, requires hazardous fuels reduction to provide safer evacuation form the at-risk community." [HFRA Section 101 (16)]**

Many plans used the some or all of the Healthy Forest Restoration Act definition of a WUI as noted in Q4.5, Q4.6, and Q4.7. Wording of the definition revolved primarily around key nouns and distances (i.e. the words "½ mile" "1 ½ mile" "fire break" and "evacuation route"). If these words and values were included with the same intent as the provided definition, the definition is considered to be "roughly the same."

**Q4.8 Does the plan include another definition of the WUI?**

Often preparers of a CWPP will redefine the term WUI to be more relevant to the study area of a CWPP. Many communities chose to redefine the term in the interest of funding or other decision-making. Coders cut and pasted the definition from each respective CWPP that included an alternative definition than HFRA's provided definition.

**Q4.9 Does the CWPP present a community map?**

Any map showing the study area of a CWPP is considered a community map. In some cases maps are not included in online publication. If a map was discussed in the narrative, but is not present in the file CSC was able to collect, there may be some confusion in the answer to this question. Without a map to look at, however, most coders answered "No" and wrote an explanation in the area provided under Q4.12.

If No Is Selected, Then Skip To Please include any notes regarding th...

**Q4.10 Do the CWPP maps identify the following: (check all that apply)**

Visual representation, typically indicated by the legend to a community map, provided "identification" of the map elements. Two options, "Population zones at risk" and "Water sources" may not have been explicitly applied in every instance. Population zones at risk is indicated by CWPP preparers in a variety of ways. Without consistency (i.e. population concentration maps, detailed structures locations) across all community maps, coders may have reported a "false negative." Conversely, the term "water source" is intended to identify firefighting resources where emergency responders can access water (i.e. hydrants, reservoirs, identifying resources for refilling fire trucks, etc.), however may have been interpreted as "bodies of water." This may have resulted in some coders identifying "water sources" as rivers, lakes, or other water bodies in general on the map.

**Q4.11 Are areas of the map identified as higher or lower risk of wildfire?**

The presence of risk categories, separate maps of higher risk areas, or any other indicator of risk assessment is considered areas of higher/lower risk on a community map.

**Q4.12 Please include any notes regarding this CWPP's risk assessment.**

**Q5.1 This section will ask questions regarding the content of this CWPP.**

**Q5.2 A Vision/mission statement presents an aspiration, in broad terms, of what this plan will achieve. Does the plan include a vision/mission statement?**

Though the document may not have explicitly used the words "vision" or "mission" many CWPPs provided a high-level aspiration for its process and/or product. Coders interpreted how closely such an aspiration aligns with the working definition provided of a vision/mission statement.

**Q5.3 A Goal statement presents one or more desired outcomes that may result from the effective execution of this CWPP. An Objective is a more detailed means of achieving a desired outcome. It may include process steps or elaborate upon stated goals. Does the plan include goal/objective statements?**

Similar to Q5.2, goals and objectives may not be called out as such, or may be included under different labeling. Coders looked for statements within the body of a CWPP for any indication of a goal or objective.

**Q5.5 Which of the following goals/objectives are addressed in this CWPP?**

Goals/objectives listed in the body of a CWPP amounted to "addressing" particular desired outcomes of the CWPP document and process. Reference to "reducing structural ignitability" "community/public preparedness" and "preserve forest ecology" in some cases was vague, as the narrative implied but did not explicitly state the words used in our categories. For example, the term "preparedness" in the realm of emergency management has explicit activities attached to it. Also, though discussion was nearly always included around forest flora and forest health, the word "preserve" may have been interpreted to mean maintain existing conditions. There was some inconsistency in the response to this question.

**Q5.6 Does the plan identify priority geographic areas for hazardous fuel reduction treatments?**

Geographic areas are often referred to by addresses, geographic features, land ownership, and/or cardinal directions. This did not require a mapped location, but often did reference or were included on a map within the document.

If No Is Selected, Then Skip To Does the plan recommend treatment typ...

**Q5.7 How were areas prioritized? (check all that apply)**

Coders made every effort to discover how risk analysis was performed to produce maps and prioritized fuel reduction areas, but in many cases few clues were given as to how areas are prioritized.

**Q5.9 What treatment types/methods are represented? (check all that apply)**

Treatment types/methods were captured from references in the CWPP's narrative. Some alternative treatments were categorized with similar concepts (i.e. "under burning" is the same as "Prescribed burns"). There are instances where treatments are included in different sections or appendices of a CWPP, at times making it challenging to comprehensively report all treatments mentioned in the document.

**Q5.10 Are the recommended treatments linked to specific projects or places on the landscape?**

If a geographic area or project is called out in a CWPP associated with a treatment type, coders consider them "linked."

**Q5.11 Does the plan identify any of the following non-treatment related actions or strategies?**

Same as Q5.9

If None of the above Is Selected, Then Skip To Please include any notes regarding th...

**Q5.12 Are the recommended treatments linked to specific projects or places on the landscape?**

Same as Q5.10

**Q5.13 Please include any notes regarding this CWPP's content.**

**Q6.1 This section will ask questions regarding the implementation of this CWPP.**

**Q6.2 Does the plan identify a specific lead coordinator or convener to oversee the implementation of the plan?**

A CWPP, if indicated, assigns responsibility to overseeing implementation or action items (if included in the document).

If No Is Selected, Then Skip To Does the plan identify a plan/program...

**Q6.3 The coordinator or convener is from what agency(ies)?**

Aside from similar inconsistencies seen in Q3.3, Q3.4, and Q3.5, a convening individual may be a member of multiple agencies or groups (i.e. an agency as well as the advisory committee assembled to write the CWPP). There are instances in the data where coders were unable to differentiate between an agency affiliation and a body assembled to prepare the CWPP.

**Q6.4 Does the plan identify a plan/program advisory committee to guide the implementation process?**

See Q6.2

If No Is Selected, Then Skip To Action items describe tasks or activi...

**Q6.5 The advisory committee is comprised of members of which agency(ies)?**

See Q6.3

### Q6.6 Action items describe tasks or activities that are performed to accomplish a goal or objective. Does the CWPP contain action items?

Action items are characterized typically as a list or means to achieving a previously mentioned objective. In some cases objectives included responsible agencies, timelines, and funding needed. In these cases the criteria overlapped, thus some objectives with specific activities included constituted both objectives and action items simultaneously.

If No Is Selected, Then Skip To Does the plan identify resources need...

### Q6.7 Does the CWPP identify action items related to any of the following treatments? (check all that apply)

Due to the complications described in Q6.6, there are instances where action items and objectives blended together. This led to inconsistent association between action items and CWPP recommended treatments. Similar to Q5.9, treatments have a variety of descriptions that refer to the categorized treatments provided in this instrument. As a result, some treatments may not have been captured comprehensively by coders.

### Q6.8 Does the plan identify resources needed for implementation?

Resources for implementation consist of physical or financial capital necessary to carry out recommended implementation actions or strategies.

### Q6.9 Does the plan provide anticipated implementation costs?

By identifying costs or funding resources for specific items identified in the CWPP's action items or implementation strategies, a plan would "provide anticipated costs." This should not be confused with common approaches such as listing off (table or list) public and private funding resources for individuals/groups to financially support fuels reduction activities on their own property.

### Q6.10 Does the plan provide anticipated time schedule for completing implementation?

Time schedules of any kind, whether a CWPP described a month estimate or a strategy timeline , are considered an "anticipated time schedule"

### Q6.11 Does the plan identify specific lines of authority during a wildfire?

A CWPP provides a line of authority by describing as much as complying with NIMS or other federally mandated chain-of-command structures, referring to a document that describes such a structure, or as little as describing what agency to call in the event of a fire.

### Q6.12 Please include any notes regarding the implementation section of this CWPP.

The remaining questions are intended as "gut check" and procedural questions. They do not have any parameters and may vary greatly depending on opinions, assessment of quality, and overall impressions gathered through reading a given CWPP.