

CHAPTER 1: INTRODUCTION

The Board of Clackamas County Commissioners (BCC) is concerned with the risk that wildfires pose to citizens and valued forest resources. In May 2004, the BCC directed county departments to facilitate a collaborative community wildfire planning effort including local, state and federal agencies, community organizations, and individuals that have a vested interest in reducing wildfire hazard. The collaborative group identified wildfire risks, developed priorities for project funding, and developed programs to reduce the risk of wildfires to citizens and communities in Clackamas County. The first iteration of the Clackamas CWPP was adopted in 2005.

This 2012 CCWPP Update has been accomplished in accordance with the suggested 5-year update process outlined in Chapter 9: Sustaining Efforts, Monitoring and Evaluation. The update process requires staff and resources, which were made available through a 2011 Title III Grant.

CCWPP Mission, Goals and Objectives

The 2012 CCWPP Mission, Goals and Objectives remain consistent with the 2005 edition.

2005-2012 CCWPP Accomplishments & Action Plan

The 2005 CWPP included an action plan to address the following focus areas: Risk Assessment, Fuels Reduction & Biomass Utilization, Emergency Operations, Education & Outreach and Structural Ignitability. CCWPP Partners have made great progress toward implementing these actions, as shown in Table 1-1. 2012 CCWPP Action Plan. The CCWPP Action Plan has also been updated and revised to ensure that actions are clear, implementable, and relevant.

The CCWPP also enabled CCWPP partner agencies to be more competitive for grant funds to build capacity for implementing projects. These accomplishments are illustrated in Table 1-2. CCWPP Grant-Funded Projects 2005-2012. The total grant-funded accomplishments are as follows:

- Fuels Reduction: \$1,710,968
- Education/Outreach: \$982,013

Total Funding Generated from the CCWPP: \$2.5 Million

2012 CCWPP Major Revisions

Although the 2005 CCWPP was an incredible success, the update process included a critical analysis of its effectiveness and relevance. The primary criticism of the 2005 CWPP was that fire agencies (Map 1. Clackamas Fire Agencies) did not have clear direction on actions to take within their service boundaries to reduce wildfire hazards.

Based on this guidance, the 2012 CWPP Update focused on taking a more localized approach to wildfire planning by creating individual CWPP's for each fire agency *Chapter 10: Clackamas County Fire Agencies* has been expanded to include a brief description of wildfire hazards, emergency operations, structural ignitability, community outreach and education and fuels reduction priorities for each local fire agency. Local Communities at Risk were also identified. Each CWPP is complete with an action plan to address wildfire.

Table 1-1. 2012 CCWPP Action Plan

Action Item	Details	Lead	Partners	Time	Priority	2005 Progress	2012 Progress
Risk Assessment							
1.) Maintain and Update the Fuels Reduction and Communities at Risk Maps and databases.		CC GIS	ODF, WFPEC	Annually	High	NA	New Action 2012
2.) Continue to track structural vulnerability data throughout the County through structural triage assessments.	a.) Work with fire districts to utilize the GPS units for obtaining home locations and structural vulnerability data.	Fire Districts, ODF	Fire Co-op	Ongoing	High	Hoodland Fire District is using the GPS units to obtain structural triage and home location data for the summer home area of the Highway 26 corridor. The Fire Co-op is housing a GPS unit that can be used by all partner agencies for collecting structural vulnerability data.	ODF has completed structural triage with home locational data for 10,000 homes in the ODF protection boundary. Hoodland completed 375 home assessments.
	b.) Provide local structural triage data and maps to all fire agencies.	Clackamas GIS	ODF	1 Year	High	NA	New Action 2012
3.) Update the Overall Wildfire Risk Assessment as new data is available.		Clackamas GIS	ODF	Long Term	High	NA	New Action 2012
4.) Utilize GPS technology to get accurate spatial and attribute data (e.g. size, access, water source volume, etc.) for fire suppression resources including.		ODF, USFS, BLM, Fire Districts	GIS	Ongoing	High	No Progress	ODF has GPS locations for all water sources. County GIS has data for some fire districts.
5.) Improve consistency in "wildland" fires ignition data.	a.) Develop a standard for reporting "wildland" and "natural cover" fires, communicate this standard to all fire districts, and promote reporting of fires.	FDB, ODF	ODF, USFS, SFMO	Long Term	Low	No Progress	The SFMO and ODF will need to come into alignment at the state level regarding categories used and consistency in reporting fires.
	b.) Research opportunities to incorporate a records management system into the Computer Aided Dispatch (CAD) system that is compatible with State Fire Marshal (SFM) Form 10 OR insert a line in the CAD database, indicating the SFM code associated with the CAD code for wildland/natural cover fires.	CCEM, SFMO	FDB	2 Year	Low	No Progress	SFMO created an online program for Fire Districts to submit fire ignition data.
6.) Work with local fire districts to develop more detailed risk assessments using local and community-derived data.		Fire Districts, ODF	GIS	Ongoing	Low	No Progress	All county fire agencies identified Communities at Risk and developed localized action plans to address risks. Maps of these areas as well as potential fuels reduction projects were provided to each fire agency.

Action Item	Details	Lead	Partners	Time	Priority	2005 Progress	2012 Progress
Fuels Reduction							
1.) Develop and maintain and inventory of potential and successful FR projects.	a.) Convene the Fuels Reduction Committee quarterly to share information.	ODF	City/County Parks & Metro	Ongoing	High	An initial listing of potential fuels reduction projects has been developed with input from fire districts and community members.	The risk assessment has been successfully used in grant applications to provide justification for fuels reduction projects.
	b.) Query all CWPP Fuels Reduction partners annually to get updates on completed and potential fuels reduction projects.	CCEM, ODF	ODF, Fire Districts, NRCS, USFS, BLM	Annually	High	No Progress	All fire agencies will be submitting priorities for communities at risk fuels reduction projects and an annual progress report will be used to keep this listing current. More coordination between Odf and Fire Districts is needed to identify willing landowners to participate.
	c.) Utilize public outreach meetings to identify willing landowners, high hazard areas, and community priorities in order to develop a prescription.	Fire Co-op, CPO's	ODF	Ongoing	High	No Progress	ODF has made presentations at the CCFFA Tree School, Home Owners Association Meetings, and Community Planning Organization Meetings to gain support for fuels reduction projects.
2.) Obtain funding to implement fuels reduction projects.		ODF,FR Committee,	ODF	Ongoing	High	ODF was awarded a Western State Fire Manager's grant to implement two model fuels reduction projects in '05.	CWPP Partners have received 1.7 million to implement fuels reduction projects on public and private land.
3.) Create an ODF Fuels Reduction Program for cost sharing opportunities designed to decrease the financial burden on the property owner.		ODF,FR Committee	Fire Districts	Ongoing	High	No Progress	ODF has received 4 WSFM grants to support a cost share program. SWCD has a cost share program for invasive species removal/ NRCS has a new forestry component in the EQIP Program.
4.) Develop a "Prescription Team" to implement projects that balance fuels reduction with habitat and ecosystem health and diversify funding sources.	a.) Engage local fire district in project planning and implementation.	ODF,FR Committee	USFS, BLM, Fire Districts, NRCS, CCFFA, OSU Ext.	Ongoing	High	No Progress	Clackamas County Parks is completing a fuels reduction project for park lands that included input from the SWCD, Metro, ODF, and consultants. ODF, the SWCD and NRCS are beginning to collaborate on projects to capitalize on the different expertise and cost share programs offered by these agencies.
	b.) Identify, opportunities for biomass utilization, and potential impacts on the community.						
5.) Develop a process to assist land owners with removing woody debris.	a.) Promote community clean-up days and utilize portable saw mills, chippers, etc. to assist land owners in removing hazardous vegetation.	ODF, Fire Districts	Fire Co-op, CCFFA	Ongoing	High	Government Camp has an annual Community Clean Up event.	Molalla Community Clean Day Spring 2006, 2007; Government Camp and Zig Zag Village Annual Community Clean Up Days
6.) Provide fire agencies and landowners with tools necessary for promoting fuels reduction as a management practice to reduce wildfire hazards and restore ecosystems.	a.) Coordinate a Fuels Reduction Project Tour to educate fire districts and natural resources managers.	ODF, OSU Extension, CCFFA	ODF	1 year	High	No Progress	ODF provides a class at Tree School to educate landowners about fuels reduction and defensible space. A Guide for fire agencies, natural resources managers and landowners is needed.
	b.) Provide landowners with a guide that can provide technical assistance in assessing and reducing wildfire hazards.	ODF,FR Committee	Fire Co-op	2 Years	High		
7.) Research partnership opportunities and strategies for adding value to extracted vegetation, and enhancing economic development.	a.) Develop an inventory of local businesses that use small diameter wood, and chips such as Estacada High School, Tillamook Forest Resources and other companies that want to purchase the fiber/raw materials. Utilize the Specialty Wood Products Website.	ODF, Clackamas County	SWCD, CCFA, OSU Ext.	Ongoing	High	Clackamas SWCD has submitted a Title III grant to identify local inventory and volumes, sort yard feasibility and market analysis and development of a business plan to recruit private investment dollars	A comprehensive Clackamas County Biomass Waste Utilization Economic Opportunity Strategy was completed in 2009.

Action Item	Details	Lead	Partners	Time	Priority	2005 Progress	2012 Progress
Fuels Reduction							
8.) Encourage Stewardship Foresters and Consulting Foresters to integrate fuels reduction into management plans and utilize cost share programs.	a.) Utilize stewardship to assist in being SB 360 compliant.	ODF	ODF	3 Years	High	No Progress (2005)	ODF Stewardship Foresters have begun integrating Fuels reduction and defensible space actions into stewardship management plans.
9.) Work with natural land managers and watershed managers to protect ecosystems and water quality in high risk natural areas and parks.	a.) Develop Bull Run Watershed forest management prescription to address heavy fuel load and high risk fire potential.	ODF, USFS, Portland Water Bureau, Sandy Fire	USFS/Sandy Fire	Ongoing	High	There is an annual meeting on the Bull Run to discuss wildfire prevention and response.	USFS, ODF, Portland Water Bureau and Portland Fire continue to have annual meetings.
	b.) Work with natural resources managers county-wide to improve forest health and resistance to wildfire in projects in critical watershed areas.	ODF	County Parks, City Parks, Metro, USFS, BLM	Ongoing	High	No Progress (2005)	The natural resources managers in the County identified fuels reduction projects in and around critical watershed areas for the 2012 Clackamas CWPP Update.
10.) Develop a map of small woodland owners (forest deferral) to identify potential project areas. Overlay harvest polygons for the past 10-15 years to show actively managed lands and those that may benefit from fuels reduction.		ODF, FR Committee	USFS, BLM, Fire Districts, NRCS, CCFFA, OSU Ext	Ongoing	Medium	Clackamas SWCD has submitted a Title III grant that will allow for consolidation of inventory volume data as well complete any data gaps.	An timber inventory volume analysis for Clackamas County was completed in 2007, but was not at a scale for identifying specific project areas.
11.) Identify opportunities to assist special needs populations in creating defensible space around homes and communities.		ODF	Social Service Agencies	Ongoing	Medium	ODF is currently using a Title III crew to assist in creating defensible space for property owners that are not able to do the work.	ODF is uses the Title III crew to assist in creating defensible space for landowners with special needs.
Completed Fuels Reduction Action Items							
Research opportunities to provide a county-wide sort yard or county-wide woody debris collection site in an effort to add value to the vegetation and enhance economic development.		SWCD, ODF	CCFFA	3 Years	High	No Progress	The Community Sort Yard feasibility analysis was completed in 2007 by Duck Creek Associates. A more comprehensive Biomass Waste Utilization Economic Opportunity Strategy was completed in 2009.

Action Item	Details	Lead	Partners	Time	Priority	2005 Progress	2012 Progress
Emergency Operations							
1.) Update the 2005 Fire Mutual Aid Agreement to include the "12 hour operational period." Include USFS as a signatory to this agreement. Continue reviewing and updating mutual aid agreements as necessary.		FDB	FDB, BIA, Multnomah County, USFS	6 Months	High	An Intra-county Mutual Aid Agreement has been adopted by FDB agencies. An inter-county mutual aid agreement is being developed. An amendment will be made to the 2005 Fire Agreement to clarify that operational periods are 12 hours.	The FDB members recall having included a 12-hour operational period to the 2005 agreement, but the documentation to support this change is missing. The FDB will complete this action. An Intra and Inter County Omnibus Agreement has been adopted.
2.) Develop a Communications Work Group to address communications needs and deficiencies.	a.) Create a list of communication needs and resources (radios, repeaters, etc.) and develop a deployment strategy that can be utilized during an event.	CC Fire Agencies, CCOM	Clackamas County	Ongoing	High	NA	New Action 2012
	b.) Identify and pursue funding sources to address communication deficiencies.	CC Fire Agencies	Clackamas County	Ongoing		No Progress	UASI and other Homeland Security grants have addressed regional communication needs, including Clackamas County. Clackamas County has implemented a reverse 9-11 system called: Clackamas County Emergency Notification System (CCENS)
3.) Provide exercises and training to build capacity for responding to wildfires.	a.) Conduct a conflagration exercise including dispatching of resources, staging, and coordination with Clackamas County Departments for potential evacuations and EOC activation.	CFOG, FDB	CC Fire Agencies	2 Years	High	A table top exercise was conducted in 2005. ODF will provide four sand tables (funded through a Western States Fire Manager's Grant) to structural fire agencies for training and fire analysis efforts.	No Progress
	b.) Clarify EOC/IMT roles and relationships.	CFOG, FDB	CC Fire Agencies	2 Years		NA	New Action 2012 Unified Command has been exercised and utilized regularly during emergencies since 2005.
	c.) Identify opportunities to provide Live Fire Training for CC Fire Agencies.	RFOG, FDB	Metro, City/County Parks	1 Year		NA	New Action 2012 NAFT is working on a Western Oregon Wildland School (to supplement Central Oregon Wildland School)
	d.) Work with RFOG to identify, develop and exercise protocol for Rural Water Supplies.	RFOG, FDB		1 Year		NA	New Action 2012
	e.) Work with natural resources managers to determine their role in responding to wildfires in parks and natural areas.					NA	New Action 2012
4.) Strengthen public education and agency coordination on evacuation procedures.	a.) Invite CCSO to FDB to discuss evacuation authority, limitation and opportunities to collaborate.	CFOG, FDB	CC Fire Agencies, Law Enforcement	Ongoing	High	No Progress	Emergency Management has an evacuation plan template and is developing an evacuation plan for Mount Hood.
	b.) Clarify roles and responsibilities for evacuation procedures based on different types of incidents (wildland, structural, Haz Mat) and ensure that all participating agencies are aware of roles.					No Progress	
5.) Develop a more efficient system for utilizing intra and inter-county resources.	a.) Work with Washington and Multnomah Counties to determine the best strategy for utilizing resources. Consider alternate dispatch run cards.	CFOG, FDB, Dispatch Centers	CC Fire Agencies	Summer 2005	High	During the July 7th, 2005 wildland exercise, the fire districts became more aware of the need to update run cards. Clackamas County FDB is participating in the RFOG group designed to enhance efficiency in utilization of resources in the Metro area.	Run cards have been updated; Unified Command is used consistently during incidents; there is a Tri-County Mutual Aid Agreement, but the group needs to develop and refine operational strategies for utilizing resources.
	b.) Consider creating structural and wildland strike teams for Clackamas County (including resources that are not in the Mob Plan).					NA	New Action 2012

Action Item	Details	Lead	Partners	Time	Priority	2005 Progress	2012 Progress
Emergency Operations							
6.) Encourage consistent application of and regular review/revision of the Open Burning Policy adopted by the Fire Defense Board.	a.) FDB Chief will work with ODF to analyze daily conditions using the Fire Severity Rating Matrix to determine open/closed burn days.	FDB Chief, ODF, CFOG	CC Fire Agencies	Ongoing	High	ODF currently provides daily analysis and forecasts to FDB Chief during fire season.	The Clackamas Fire Defense Board has improved the understanding of burning policies countywide and is working with ODF to determine burn days.
	b.) Continue to refine the Open Burning Policy; Develop consistent definitions for "campfires" and "designated sites."	FDB Chief, ODF, CFOG		1 Year/Ongoing		No progress	The FDB updated the Open Burning Policy in 2010, and it should be evaluated and reviewed again in 2012-2013.
	c.) Consider using a single source website (ODF Dispatch) to update Fire Severity Rating and public use restrictions.	FDB, ODF		1 Year/Ongoing		NA	New Action
	d.) Utilize ODF citation capabilities when CCOM is informed of an illegal burn.	FDB Chief, ODF, CFOG		1 Year/Ongoing		NA	New Action
7.) Develop and implement training standards for Fire Operations Center (FOC) positions.	a.) CFOG will identify classes/training specific to FOC positions and make recommendations to FDB for FOC training.	CWOG and FDB	CCEM, Public Works, RISK, Fire Districts, Law Enforcement,	2 Years /Ongoing	High	East County Fire Agencies have proposed a standard. The CWOG members would like to see the curriculum and time commitment of the ICS 300 and 400 classes before making a decision.	New Action All Fire Chiefs that staff the FOC are trained at least to the ICS 300 level.
8.) Develop a consolidated document for reporting resource minimums on fire district, county-wide, and state-wide levels.	a.) The next iteration of the resource minimum document.	CWOG, FDB	CC Fire Agencies	Ongoing	Medium	The Clackamas County Fire Districts have updated the resource minimum list.	There is a resource minimum list for the County (but it does not include ODF). ODF can include theirs, but it varies throughout the year due to fire season.
	b.) ODF and USFS will provide morning resource status to the FDB via the CFOG website.						ODF uses Web EOC. USFS does not.
9.) Continue to work toward a more consistent system for credentialing wildland fire fighters by aligning DPSST and NWCG training standards.		Fire Defense Board	SFMO, PNWCG	Long-Term	Low	No Progress	The Clackamas FDB had representation on a state committee that made great headway in aligning DPSST and NWCG.
10.) Develop and implement a radio numbering system that reflects geographic area.		Radio Committee	FDB, ODF	Long Term	Low	No Progress	An attempt to do this was made in 2006, but did not generate adequate regional support. The Regional Fire Operations Group is tasked with this, although it may be a statewide issue.
11.) Encourage consistent resource typing among NIMS, NWCG, and the SFMO.	a.) FDB will provide recommendation to the State Fire Marshal's Office that the equipment and staff typing should be consistent in NIMS, NWCG, and the Mob Guide.	CWOG, FDB	CC Fire Agencies	Long Term	Low	CWOG has identified the differences in NIMS, NWCG, ODF, NFPA, and Mob Guide typing for equipment.	ODF follows the NWCG guidance for resource typing. The SFMO follows NIMS. Some progress has been made to bring NIMS and NWCG into alignment.
12.) Update the Integrated Interoperability Plan to provide a template for communications. Identify VHF and 800 MHz communications needs based on the templates.	a. Radio Committee will work with law enforcement, USFS, and other agencies to ensure interoperability when VHF template is complete.	Radio Committee, FDB	CC Fire Agencies	Sep-05	Low	VHF plan was adopted by the Clackamas District Fire Defense Board on Sept 1, 2005. Metro 800 MHz Users group is developing a template with common terminology. 800 MHz radios are being reflashed in Jan 2006, and all national interoperability channels will be included	Complete. The regional TICP is being updated; Bob Morrissey with Estacada Fire has survey results for radio needs.
	b.) Consider obtaining a cache of VHF and 800 MHz radios to be used for response efforts.						The Fire Defense Board agreed to go to 800 MHz countywide. Urban Agencies are well equipped with 800 and keep a few VHF for conflagration. Rural Agencies primarily continue to use VHF and have a few 800 MHz for interoperability. Those Districts that need radios have included this in their Agency CWPP Action Plans.
Completed Emergency Operations Action Items							
Develop ICS training needs and a resources list for Clackamas County.	a). FDB will notify and encourage Fire Districts to use the standards developed to inventory training needs.	FDB	CCEM, Public Works, Fire Districts, Law	Ongoing	High	No Progress	Complete. Emergency Management has a current listing of needs and conducts training twice a year.
	b.) NAFT will use inventory of needs to develop/modify appropriate training schedules to bring CC Fire Districts into compliance.	FDB, NAFT	CC Fire Agencies				High

Action Item	Details	Lead	Partners	Time	Priority	2005 Progress	2012 Progress
Education & Outreach							
1.) Develop a step by step process for outreach to Communities at Risk; including Firewise presentations.		ODF	Fire Co-op	Spring, 2012	High	New Action	Firewise presentations have been given at 15 Communities at Risk. ODF received grant funds to create 2 Firewise Communities in 2012.
2.) Develop relationships and incentives for a Fuels Reduction Program.		ODF, USFS, County/City Parks, Metro, SWCD	Fire Districts	Ongoing	High	New Action	Collectively, partners were awarded over \$1 million to implement fuels reduction projects in Clackamas County; about half of which was an ODF a cost share program for removing hazardous fuels.
3.) Update the burning brochure and target areas for mailing based on the Communities at Risk.		Fire Co-op	Fire Defense Board	Spring 2014	High	New Action	Defensible Space and Debris Burning brochures were created and mailed to all WUI residents in 2006
4.) Develop and promote "Burn Barrel" program. Strengthen the relationship with the SFMO to build support for the burn barrel program.		Fire Co-op	SFMO	Spring 2013	High	New Action	The Fire Coop received a Burn barrel grant from KOG in 2007. The barrels need to be manufactured and advertised. \$30 each
5.) Develop and distribute address signs for homes and potential water sites in the WUI.		Fire Co-op	Fire Districts	Ongoing	High	New Action	ODF received Title III funds to purchase and distribute address signs in the WUI.
Completed Education & Outreach Action Items							
Develop and Distribute Wildland Urban Interface Packet.	a. Include a WUI brochure detailing the Clackamas Community Wildfire Protection Plan, defensible space guidelines, and fire apparatus ingress and egress requirements.	Fire Co-op, CC Fire Agencies	Clackamas County	March-May, 2006	Complete	Clackamas County and Oregon Department of Forestry are in the process of developing a brochure.	Complete The Fire Coop developed and distributed defensible space and debris burning brochures in 2005-2006. No DVDs were created.
	b. Include other educational materials such as a Wildfire Prevention DVD. This should be distributed to developers during the land use application process and mailed to residents in the WUI.						
Install Fire Danger Rating Boards.	a. Place the boards in strategic locations in the WUI and recreation corridors in forested lands to ensure that people are aware of fire danger.	Fire Co-op, CC Fire Agencies	Clackamas County	March-May, 2007	Complete	ODF is researching the possibility of using adhesive labels for the boards.	Complete
	b. Utilize ODF summer crews for assembling the boards.						
Develop and Distribute Burn Permitting and Fire Restrictions Brochure.	a. Outline burn permit procedures, relevant agency contact information, Regulated Use Closure Proclamation instructions, and other restrictions associated with fire severity.	Fire Co-op, CC Fire Agencies	Clackamas County	March-May, 2008	Complete	ODF is in the process of developing a brochure.	Complete A debris burning brochure was created, but did not include Regulated Use.
Fire-Safety Messages on Safeway Grocery Bags.	a. Co-op will develop and design fire prevention graphics and messages that will be printed on paper bags at participating County Safeway grocery stores.	Fire Co-op, Safeway	Clackamas County	March-May, 2006	Complete	The Fire Coop and Safeway have agreed to print these at no cost.	Complete

Action Item	Details	Lead	Partners	Time	Priority	2005 Progress	2012 Progress
Structural Ignitability							
1.) Continue to enhance coordination between Clackamas Fire Districts and County DTD.	a.) Identify a DTD representative to serve on the Wildfire Planning Executive Committee.	CCEM	WFPEC	6 Months	High	DTD was heavily engaged in the CWPP process to develop and implement the Structural Ignitability Action Plan.	
	b.) Develop and provide a residential construction checklist to identify those projects with access and water supply challenges.	Structural Ignitability Committee	DTD	1 Year	High	The checklist is complete and will be provided by DTD during the permit application process.	This was completed and is being used, but the last checkbox cannot be used because the WUI has not been loaded into Plan Map.
	c.) Promote an open dialogue between County DTD and fire agencies by utilizing the DTD website, monthly emails, and the Velocity Hall System.	SFMO	SFMO	Ongoing	High	SFMO met with all interested fire agencies to train them on Velocity Hall	Continues to be effective in most areas. Rural Fire Districts need Velocity Hall training and are not receiving monthly emails.
2.) Work with Clackamas County Engineering to notify Fire Districts of new buildings on existing lots that have >150 ft. driveways.		CC Building Dept.	Fire Districts	2 Years	High	Notice is being sent by the Planning Division to the fire districts for all land use applications involving a new dwelling on existing lots of record in Natural Resource Zones. All other zones are outright buildable and are not in need of land use approvals to place a dwelling. These applications are administered through the building department and fire districts are notified for structures over 3,600 square feet.	New Action 2012 Clackamas County DTD is installing a new system that could facilitate this process.
3.) Encourage use of fire-resistant construction materials, compliance with access requirements, adequate water supply, and incorporation of fuel breaks in the Wildland Urban Interface.	a.) Consider flagging the lots that are in the designated WUI and send the applicant an educational packet that includes suggestions for fire-safe construction materials, access, water supply, and fuel breaks.	County DTD	County GIS, DTD Comp. Users Group	1-2 years	High	No Progress	No Progress
	b.) Utilize Section R324 of the Residential Specialty Code "Wildfire Hazard Mitigation," which requires at least Type C roofing for homes in the WUI.	County DTD, ODF, Fire Districts	FDB	1-2 years	High	NA	New Action 2012
4.) Research incentives for improving maintenance of fire breaks and defensible space.	a.) Consider potential resources and incentives associated with SB 360 implementation.	ODF, WFPEC	Fire Co-op	Long Term	High	No Progress	No Progress
5.) Enhance structural protection in unprotected areas and comply with the Governor's policy in unprotected areas to be eligible for conflagration resources.	a.) Support ODF in working with the County Tax Assessor to change the language on property tax statements for ODF assessment from "fire protection" to ODF "non-structural fire suppression" so homeowners and insurers are	ODF, County Tax Assessor	ODF	1 Year	Medium	No Progress	No Progress
	b.) Inform homeowners in unprotected areas of their unprotected status (using mailings) and provide them with information about options for enhancing structural protection.	ODF	Fire Co-op, Adjacent Landowners	Ongoing	Medium	No Progress	No Progress
	c.) Encourage communities in unprotected areas to develop local community wildfire	ODF	Fire Coop	1 Year	Medium	Outreach and fuels reduction work around homes has been in Wapinitia.	No Progress
	d.) Research opportunity to provide disclosure of unprotected status on lots through deed restrictions.	ODF	County	1 Year	Medium	No Progress	No Progress
	e.) Consider flagging the lots that are in unprotected areas to educate the property owners about the lack of structural protection and provide options for enhancing structural protection.	County DTD	County	Complete	Complete	No Progress	The County currently requires any new lot of record to have structural fire protection.

Action Item	Details	Lead	Partners	Time	Priority	2005 Progress	2012 Progress
Structural Ignitability							
6.) Work with insurance providers to improve their criteria to adequately represent level of structural fire protection in residential structures, especially in high-risk areas.	a.) Ensure that homes in rural settings have adequate access and water supply when considering insurance eligibility; especially homes > 3,600 ft ² .	FDB, SFMO, Insurance Providers	Regional Fire Operations Group	Ongoing	Medium	No Progress	Western States Fire Chiefs are currently working with ISO to recognize reduced fire risk through prevention activities and develop incentives for promoting creation and maintenance of defensible space.
	b.) Expand criteria used by insurance providers to include fire breaks, fuels reduction, and fire prevention activities.			Ongoing	Medium	No Progress	
	c.) Provide an educational component to developers/builders regarding fire insurance considerations of homes built without adequate access and water supply.			Ongoing	Medium	No Progress	
	b.) Work with insurance providers to encourage homeowners to be proactive in maintaining fire safe vegetation and reducing hazardous fuels.			Ongoing	Medium	No Progress	
7.) Improve upon current procedures for integrating fire codes into the regulatory process.	a.) All county fire agencies should come to consensus on the minimum fire code standards they will be enforcing and gain approval from the jurisdiction in which they serve.	FDB	BCC SFMO	January '05	Low	No Progress	FDB has adopted the State Fire Marshal's Metro Code Committee Fire Applications Guide. It is currently in the process of being revised to make it more user friendly.
	b.) Continue to make improvements on the Permits Plus Program to ensure that conditions for fire code compliance are translated from land use planning to building permitting.	County DTD	County Engineering, IS	November '05	Low	No Progress	Significant improvements have been made to the Plan Map system to ensure that all input given during the land use reviews is available to building officials.

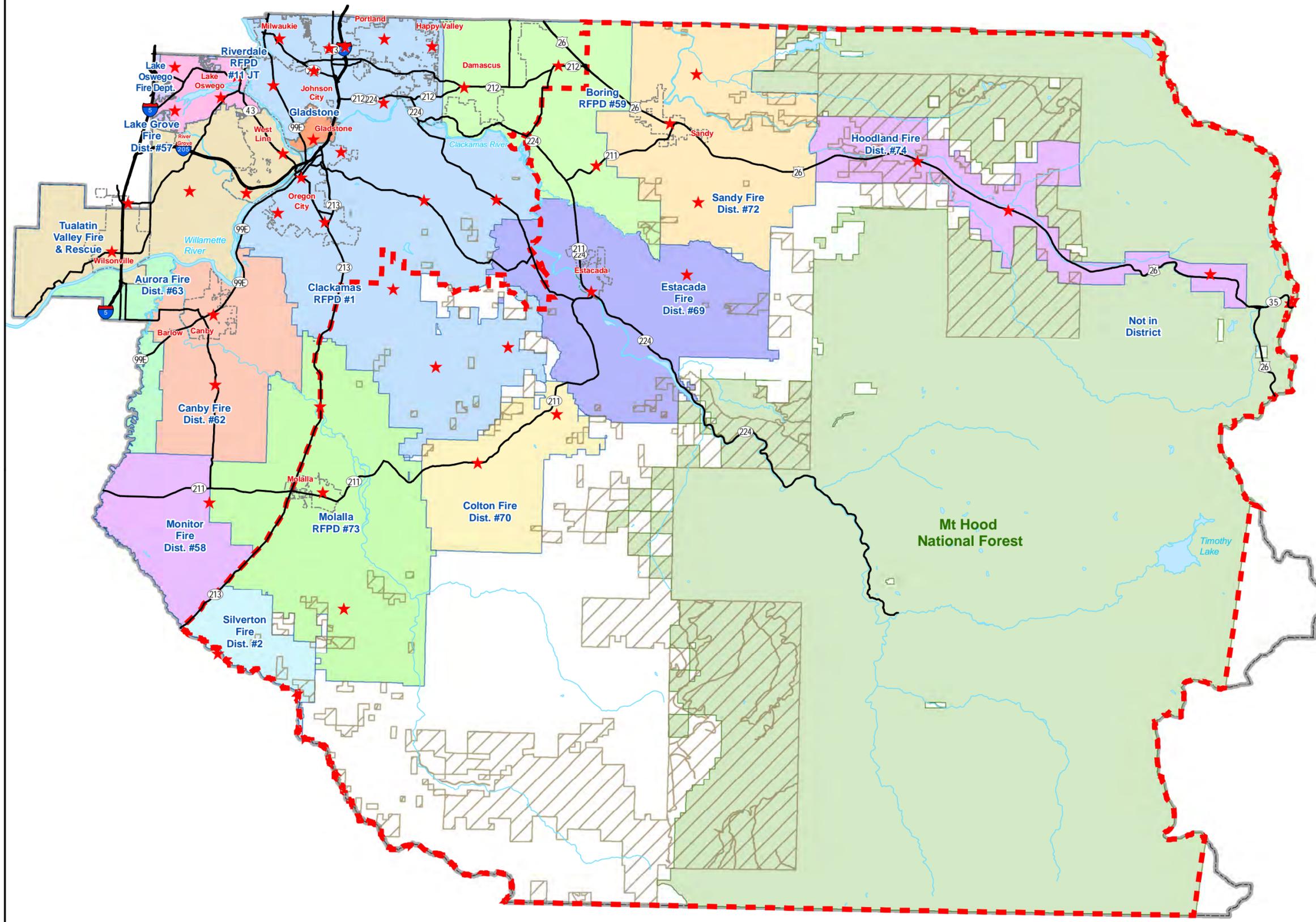
Table 1-2. CCWPP Grant Funded Projects 2005-2012

Grant	Amount \$	Acres Treated	Federal Acres	Accomplishments
Oregon Dept.of Forestry				
Title III 2004	\$50,000.00	0	0	Brochures created and sent to all WUI residents; 5 Community meetings with over 500 attendees; Hired Resource Innovations to assist with CWPP development
Title III 2005	\$16,090.88	10	5	Fuel reduction around 15 campsites in Molalla River Corridor Demonstration of fuels reduction around home w/ television crew in conjunction with Sandy Fire. Bull Run waterhole maintenance.
Title III 2006	\$70,424.48	28	13	Defensible space around 55 homes. Fuel reduction work in County park. Fuel reduction around Horse Creek Weather Station (5 acres) and at Wildwood recreation area (8 acres)
TITLE III 2007 Crew 58	\$50,000.00	33.5	7	Partners - Metro, BLM, Clackamas County and one subdivision. TV spot on AM news with Fuel Reduction crew.
TITLE III 2007	\$24,000.00	0	0	Prevention shelter materials for outreach at Molalla Buckaroo, Clackamas County Fair and other events that reached over 5000 people.
TITLE III 2008 Crew 58	\$39,644.28	34	4	BLM, County Parks and Private Communities. Hoodland Community Center project - Showcase for material disposal. East Rolling Green Neighborhood - Cost share - ODF labor and Private Homeowners paying Chipping Costs
TITLE III 2008 South County Grant	\$12,300.00	0	0	CCSWCD award - Address signs on 225 homes as demo, Sort yard (10 Tons of material) and open house at Molalla Fire Sawtell Station. Worked with County Roads on outreach for vegetation removal along road ways. Paid for fuel break
WSFM 2005 (2005-2009)	\$125,000.00	104	0	Over 10,000 CWPP, Living with Fire and Burn Brochures were distributed door to door and at multiple community events. 8,200 Homes were triaged.
WSFM 2007 (2007-2011)	\$280,000.00	235	0	727 homes affected by treatment, 3,500 brochures distributed, 701 landowner contacts, 12 Firewise community presentations. 1611 homes triaged, Launched the fuels reduction Cost Share Program
TITLE III 2009 CREW 58	\$41,111.00	16	0	6 Sites were treated to reduce fuels on city, county and private lands.
CCSWCD 2009 Crew 58	\$37,951.70	10	0	King Rd demonstration project. County Forestland Fuel Reduction project adjacent to BPA power lines.
TITLE III 2010 Crew 58	\$159,564.27	39.5	21.5	Fuels reduction work completed : King Road, • Hopkins Demonstration Forest• Timberline Rim Bureau of Land Management Rim Trail, Baty Road, Camp Onahlee.
TITLE III 2010-2012	\$177,219.00	0	0	6 Events at retail outlets reached approx 200 people. 12 Firewise community presentations.
TARP/WSFM 2009 (Open)	\$190,000.00	260	0	Cost Share Program to reduce hazardous fuels in East Clackamas County.
WSFM 2010 (Open)	\$297,745.00	100	0	Cost Share Program to reduce hazardous fuels in Clackamas and Marion Counties.
Title III 2011	\$107,141.00	0	0	1,500 Address signs in areas identified through Local Fire Agencies in conjunction with the CWPP.
Title III 2011 Crew 58	\$124,151.00	15	0	2 Projects - Scott Mountain and Rose Creek.
Title III 2012 Crew 58	\$130,000.00	25	0	Fuels reduction crew to reduce hazardous fuels in high priority areas.
Title III 2009-2012	\$134,784.00	30	0	Outreach/education, address signs, prevention materials.
Subtotal	\$2,067,126.61	940	50.5	

Grant	Amount \$	Acres Treated	Federal Acres	Accomplishments
USFS				
Title II/TIFF 2006	\$90,000.00	0	15	Government Camp Hazardous Fuels Reduction. Summit Meadows and Lige Road Units. Work completed 2007. Purchased Fuels Reduction Tools for the Community
Title II 2010	\$62,000.00	0	75	West Leg Rd fuels reduction/hazard tree project. Work Completed 2010.
Subtotal	\$152,000.00	0	90	
Clackamas County/NCPRD				
Title III 2009-2010	\$39,000.00	0	0	Planning and data collection and outreach within the urban rural interface areas
Title III 2010-2011	\$154,000.00	89	0	Project fliers, neighborhood letters, county fair, wildfire preparedness presentations. Over 800 hrs of planning, 200 hrs of NR field work, and 800 hrs of field tech implementation.
Subtotal	\$193,000.00	89	0	
Hoodland Fire				
Title III 2005	\$125,156.00	0	0	Zigzag Summer Home Access/Egress and address signing. USFS, Hoodland FD, Clackamas County Environmental Youth Corps. Worked done during 2005 and 2006
2006 AFG	\$72,479.00	0	0	Purchased Wildland and Structural Fire PPE
Title III 2007-2008	\$69,018.00	0	0	Complete Summer Home area work in partnership with Wolf Tree.
Title III 2009	\$4,500.00	10	0	Government Camp Clean Up Day
2006 RFA (BLM)	\$9,702.00	0	0	Purchased 40 new generation fire shelters.
Subtotal	\$155,699.00	10	0	Total Acres Treated: 1,180
Grand Total	\$2,567,825.61	1,039	141	

Clackamas County Fire Agencies 2012

-  Fire Stations
-  Oregon Department of Forestry
-  Bureau of Land Management
-  Mt Hood National Forest
-  City Boundaries



Map #1



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