

**Project Name**

South Cascade Small Forestland Hazardous Fuels

**Contact Information**

**Sponsor:** Oregon Department of Forestry South Cascade District

**District Contact:** [REDACTED]

**Treatment Location:**

This project is comprised of 3 properties in Eastern Lane County. Ownerships range for 14- 105 acres. The properties are Low and Moderate Risk class based on the watershed risk map. Even with the risk class being low-moderate all of these properties could support extreme wildfire behavior if not treated, posing a high risk to homes in the area. The first property is located in the Lost Creek drainage near Dexter, OR. The property is a mix of mature forest and middle age reproduction forest with heavy storm damage from 2019. The second property is near Fall Creek and is a participating Firewise member that borders many other properties in the Firewise community. The remaining property is located in the Mohawk Valley in an area that has multiple homes nearby. All of the properties have abundant ladder fuels, build-up of dead and down material, Invasive blackberries and English Ivy.

**Description of Treatments:**

The primary goal for these treatments will be to create shaded fuel breaks along access roads and topographical features where fire personnel can safely and effectively attack fires. By creating shaded fuel breaks the need for maintenance will be reduced in the future and the treatments will decrease the intensity of wildfire as it approaches the homes, infrastructure and access roads. All treatments for this project will be completed by contractors or landowners of the properties. These projects have all been inspected by an ODF forester to discuss treatment needs and feasibility for the project timeline. Treatments will consist of the following practices to prevent catastrophic wildfire behavior: mowing/mastication, pre-commercial thinning, pruning, piling/burning material and alternate usage of materials (firewood). Mowing/mastication of materials will focus on treatment of dead and down material including slash from areas being pruned and invasive species removal. Thinning will focus on removing small and suppressed conifers (under 8" DBH) to increase canopy spacing and reduce the amount of dead fuels available. Thinning of the trees will improve the overall health of trees which will make them more resistance to drought, disease or insect outbreaks. Pruning will be a minimum of 8 feet from the ground or no more than 1/2 the tree height for smaller trees. Chipping may be used when feasible. Pile/burn treatments will be conducted for properties where equipment is not available or able to access the treatment areas. In some portions where removal or burning of material is not practical or safe lop and scatter of material may be implemented, the material will be dispersed to a depth of no more than 12" from the ground. Alternate utilization of materials will consist of material removed to be used for firewood or mulch generated from chipping of material being used as mulch for farm usage. Some larger material 10" diameter or larger as well as some standing dead material may be left to create wildlife habitat as long as the material is located away from structures and not left in large accumulations.

**Description of estimated benefits:**

The properties identified in this project are all designated as priority treatment areas in the 2020 Lane County CWPP identified by the Lane County Hazardous Fuels Subcommittee. This project also works towards a priority action item from the CWPP (3.2.1) by creating assistance for landowners to complete fuels reduction, increasing local capacity to complete fuels reduction and utilizing alternative methods to remove material when possible. Treatments for one of the properties is within a Firewise USA community boundary with other adjacent projects planned for treatment and with some already complete. This project will help to connect previous and planned treatments taking steps towards creating a landscape scale treatment as opposed to only treating individual homes. These projects would not be feasible for the landowners without the grant funding assistance as the landowners lack the physical/financial ability or equipment needed to conduct the work themselves. In addition, there are several landowners in the area that are elderly and have difficulty moving, they would not be able to be evacuated quickly in the event of a wildfire making this work very important for life safety of the residents. Work done through this project will be leveraged by work being done by the landowners, the Firewise community and work completed by the ODF fuels crew funded by Western States Fire Managers and Community Assistance grants.

**Timeline:**

- Winter-Spring 2022- landowners will sign projects up with ODF, finalize treatment prescriptions and initiate an agreement with a contractor to begin work.
- Early Summer 2022- Winter 2023- projects will begin work treating 75% of the footprint acres (30)
- Spring 2023 Landowners will complete remaining treatments (10 acres) notify ODF personnel so final inspection can be completed and submit paid invoice to ODF forester for project reimbursement. ODF will complete final reporting and deliver to Salem.

**Budget:**

The work for this project will be completed by contractors or landowners. The work completed will be reimbursed at rates based on practices completed using the ODF project components and rates sheet or the landowner labor and equipment rates. The total amount requested is \$32,907.00, the total project cost is \$104,288.00 of the total amount requested ODF will receive less than 11% of project cost (3555/32,907). Costs for ODF are associated with project signup, prescription development, inspection and reporting as well as costs for travel to and from the project sites. Leverage sources Fall Creek Firewise Community- \$12,000 for equipment purchased to complete fuels reduction, \$10,000 for contractual payments for fuels reduction and \$34,381 for landowner labor spent on fuels reduction. The community will continue to conduct fuels reduction and accumulate more leverage funds during the grant period. ODF will use \$15,000 of Grant funds for adjacent projects as leveraged funds.

**Oregon Department of Forestry  
Small Forestland Grant Program  
Budget Calculation Sheet**

**Instructions:** Fill out blue-bordered boxes

Grant Agreement #/Project Name:

#

/ South Cascade Small Forestlands

<b>Deliverables</b>	
Below are examples, replace with your projects quantified treatment activities (acres)	
1	23 acres of thinning and mastication
2	15 acres of mowing/mastication
3	22.5 acres of pruning
4	10 acres of pile burning
5	1 acres of removal for firewood and mulch utilization
#	Add deliverables as needed
#	Add deliverables as needed
#	Add deliverables as needed
#	Add deliverables as needed
#	Add deliverables as needed
#	Add deliverables as needed
#	Add deliverables as needed
Treatment Footprint	38 Footprint acres

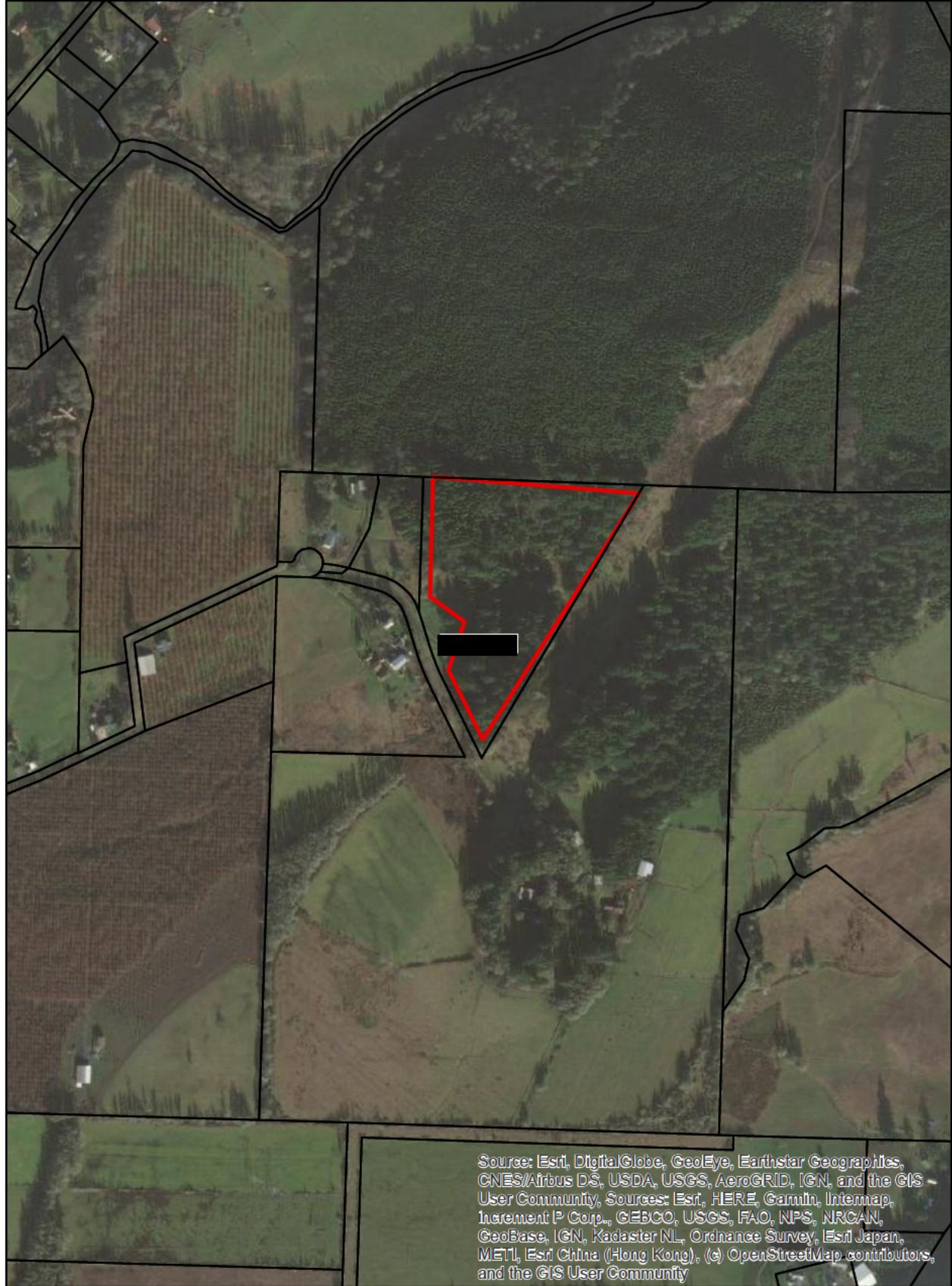
Cost Category	Grant Request	Leverage (25% required)		Total Project Cost
		Match (if any)	Leverage (if any)	
1. Personnel			\$ 34,381.00	\$ 34,381.00
2. Fringe Benefits				\$ 0.00
3. Travel	\$ 315.00			\$ 315.00
4. Equipment			\$ 12,000.00	\$ 12,000.00
5. Supplies				\$ 0.00
6. Contractual	\$ 29,352.00		\$ 10,000.00	\$ 39,352.00
7. ODF (if applicable)	\$ 3,240.00		\$ 15,000.00	\$ 18,240.00
8. Indirect				\$ 0.00
<b>Total</b>	\$ 32,907.00	\$ 0.00	\$ 71,381.00	\$ 104,288.00

Narrative justification by line item: totals should match claim above.

For each line item	Detail by position or item cost, rate, number of units, and subtotals. Tie costs to Deliverables. <b>Example:</b> Personnel and Fringe ( \$1,480 and \$740=\$2,220) for 1 Ecologist working 40 hours @ \$37/hour to treatment plan 100 acres of fuel treatments
Personnel & Fringe	
Travel	Travel for ODF Forester to and from project sites 9 trips averaging 70 miles round trip at a cost of \$.50/Mile. 9x70x.50=\$315
Equipment	
Supplies	
Contractual Payments	23 acres of thinning followed by mastication at \$535/acre (\$12,305) 22.5 acres of pruning at \$445/acre(\$10,023.75), 15 acres of slash-buster mow/mastication at \$321/acre (4,815) 10 acres of pile burning at \$194/acre (\$1,940) 1 acre of slash removal load and Haul for firewood and material for mulch at \$268.5/acre (\$268.5)
ODF (if Applicable)	60 hrs at \$36/HR and an fringe rate of .5 for ODF forester to sign up landowners, meet with project contractors, preform final project inspection and create final grant reports. 60x36=2160x.5=1080 for a total of \$3,240
Leverage Sources	Leverage funds from Fall Creek Firewise Community as follows \$12,000 for equipment, \$10,000 for contractor payments, and \$34,380 for labor hours spent conducting Firewise work. ODF leverage funds\$15,000 for fuels reduction work planned on adjacent properties using Western States Fire Managers and Community Assistance funds .
Indirect Costs	




# South Cascade Small Forestland Site 1 Mohawk Valley

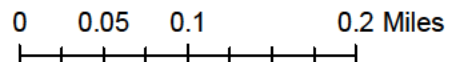


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, Intermap, Increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

## Legend

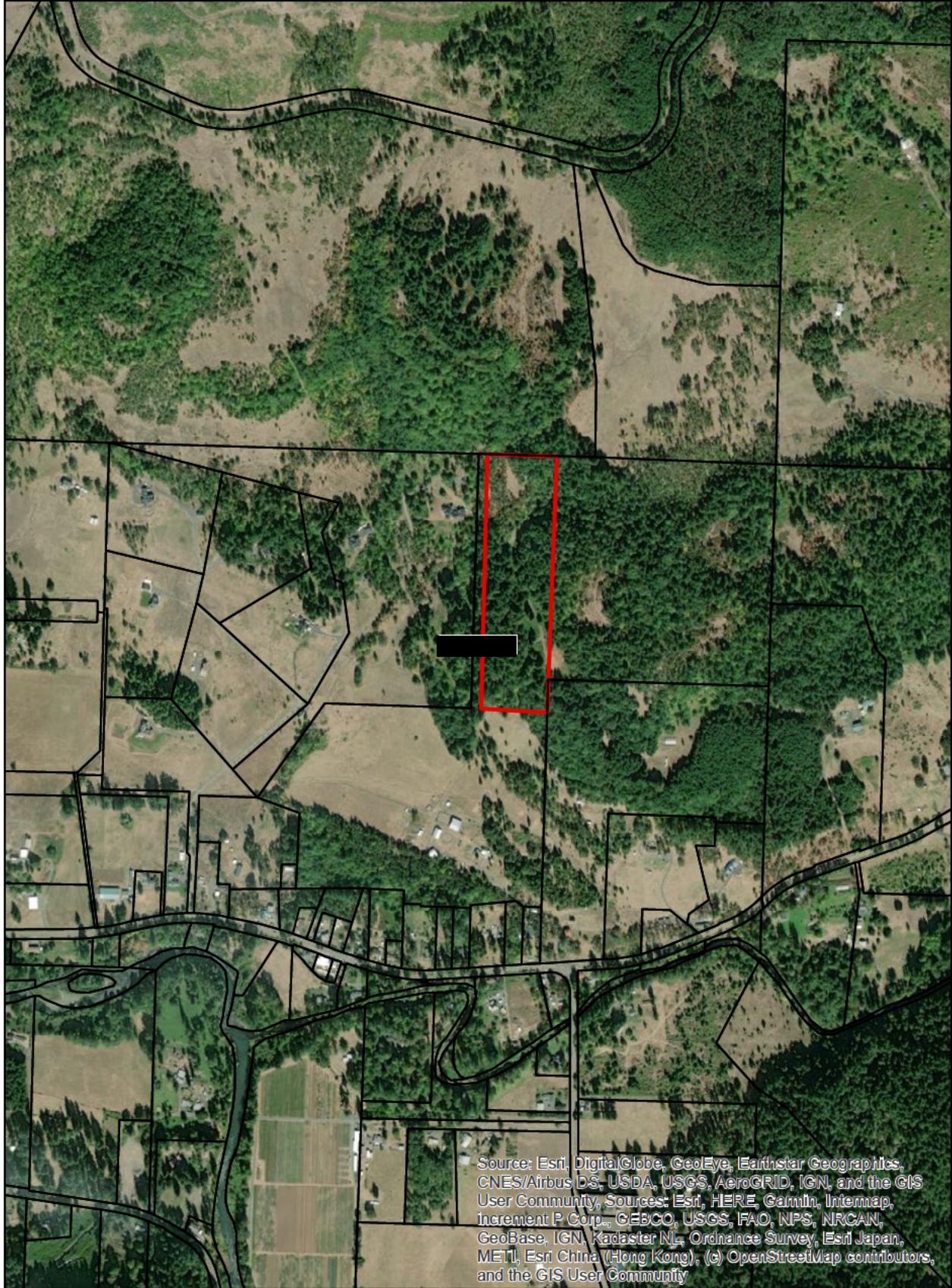
 Treatment Area

Coordinate System: NAD 1983 Oregon Statewide Lambert Feet Intl  
Projection: Lambert Conformal Conic  
Datum: North American 1983  
False Easting: 1,312,335.9580  
False Northing: 0.0000  
Central Meridian: -120.5000  
Standard Parallel 1: 43.0000  
Standard Parallel 2: 45.5000  
Latitude Of Origin: 41.7500  
Units: Foot




# South Cascade Small Forestland Site 2

## Fall Creek

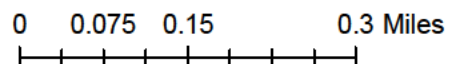


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### Legend

 Treatment Area

Coordinate System: NAD 1983 Oregon Statewide Lambert Feet Intl  
Projection: Lambert Conformal Conic  
Datum: North American 1983  
False Easting: 1,312,335.9580  
False Northing: 0.0000  
Central Meridian: -120.5000  
Standard Parallel 1: 43.0000  
Standard Parallel 2: 45.5000  
Latitude Of Origin: 41.7500  
Units: Foot






# South Cascade Small Forestland Site 1

## Lost Creek [REDACTED]

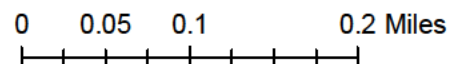


[REDACTED] Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, HERE, Garmin, Intermap, Increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

### Legend

 Treatment Area

Coordinate System: NAD 1983 Oregon Statewide Lambert Feet Intl  
Projection: Lambert Conformal Conic  
Datum: North American 1983  
False Easting: 1,312,335.9580  
False Northing: 0.0000  
Central Meridian: -120.5000  
Standard Parallel 1: 43.0000  
Standard Parallel 2: 45.5000  
Latitude Of Origin: 41.7500  
Units: Foot



Number of Panel Reviewer #1		Project Name	South Cascades Small Forestland Hazardous Fuels	
Priority	Proposal Scoring Rubric	Possible Points	Reviewer Score	
1	Clearly describes treatment activities and how future condition reduces risk of high severity wildfire	20	17	
Reviewer Comments	38 acres: Create shaded fuel breaks along access roads and topographical features where fire personnel can safely and effectively attack fires, the need for maintenance will be reduced in the future, and the treatments will decrease the intensity of wildfire as it approaches the homes, infrastructure and access roads.			
2	Project protects infrastructure, creates shaded fuel breaks along roadways, or is in a Wildfire Risk Class of High or Extreme (HUC 6 watershed)	15	15	
Reviewer Comments	Create shaded fuel breaks along access roads and topographical features where fire personnel can safely and effectively attack fires; this will decrease the intensity of wildfire as it approaches the homes, infrastructure and access roads. The properties are Low and Moderate Risk.			
3	Project treats or protects multiple properties	15	10	
Reviewer Comments	This project is comprised of 3 properties.			
4	Proposed treatment(s) address insects and disease, drought mortality, invasive species, storm damage or enhances wildlife habitat	15	15	
Reviewer Comments	Some larger material 10" diameter or larger as well as some standing dead material may be left to create wildlife habitat as long as the material is located away from structures and not left in large accumulations.			
5	Clearly demonstrates collaborative approach including treatment proximity to previous or planned hazardous fuel treatments	10	9	
Reviewer Comments	This project will help to connect previous and planned treatments taking steps towards creating a landscape scale treatment as opposed to only treating individual homes.			
6	Proposed treatment(s) benefit vulnerable populations or under protected properties	10	10	
Reviewer Comments	There are several landowners in the area that are elderly and have difficulty moving, they would not be able to be evacuated quickly in the event of a wildfire making this work very important for life safety of the residents.			
7	Treatment area references a forest management plan or is located within a priority planning area listed in Funding Priority 6	10	10	
Reviewer Comments	2020 Lane County CWPP			
8	Project utilizes non-traditional forest products	5	4	
Reviewer Comments	Alternate utilization of materials will consist of material removed to be used for fire-wood or mulch generated from chipping of material being used for farm usage.			
<b>Final Score</b>		Out of 100	<b>90</b>	



Number of Panel Reviewer #2		Project Name	South Cascades Small Forestland Hazardous Fuels	
Priority	Proposal Scoring Rubric	Possible Points	Reviewer Score	
1	Clearly describes treatment activities and how future condition reduces risk of high severity wildfire	20	20	
Reviewer Comments	well described need, treatments & benefits			
2	Project protects infrastructure, creates shaded fuel breaks along roadways, or is in a Wildfire Risk Class of High or Extreme (HUC 6 watershed)	15	5	
Reviewer Comments	low to moderate, shaded fuel breaks			
3	Project treats or protects multiple properties	15	15	
Reviewer Comments	3 properties, each with impacts on neighbors as well			
4	Proposed treatment(s) address insects and disease, drought mortality, invasive species, storm damage or enhances wildlife habitat	15	15	
Reviewer Comments	invasives for all, storm damage for one, habitat enhancement			
5	Clearly demonstrates collaborative approach including treatment proximity to previous or planned hazardous fuel treatments	10	5	
Reviewer Comments	at least one project adjacent to treated area			
6	Proposed treatment(s) benefit vulnerable populations or under protected properties	10	5	
Reviewer Comments	landowners not physically/financial able to complete work themselves, elderly neighbors at greater risk if fire occurred			
7	Treatment area references a forest management plan or is located within a priority planning area listed in Funding Priority 6	10	10	
Reviewer Comments	Lane County CWPP			
8	Project utilizes non-traditional forest products	5	5	
Reviewer Comments	firewood, mulch			

**Final Score**

Out of  
100

**80**

Number of Panel Reviewer #3		Project Name	South Cascades Small Forestland Hazardous Fuels	
Priority	Proposal Scoring Rubric	Possible Points	Reviewer Score	
1	Clearly describes treatment activities and how future condition reduces risk of high severity wildfire	20	18	
Reviewer Comments	Really good description of what is being proposed, it's clear a lot of thought and planning went into this.			
2	Project protects infrastructure, creates shaded fuel breaks along roadways, or is in a Wildfire Risk Class of High or Extreme (HUC 6 watershed)	15	15	
Reviewer Comments	Low-Moderate Wildfire Risk Class, but would establish fuel breaks along roads and protect infrastructure.			
3	Project treats or protects multiple properties	15	15	
Reviewer Comments	yes			
4	Proposed treatment(s) address insects and disease, drought mortality, invasive species, storm damage or enhances wildlife habitat	15	12	
Reviewer Comments	Noted invasive species removal (but not maintenance) and plan to improve wildlife habitat			
5	Clearly demonstrates collaborative approach including treatment proximity to previous or planned hazardous fuel treatments	10	10	
Reviewer Comments	Yes, adjacent property treatments planned/implemented			
6	Proposed treatment(s) benefit vulnerable populations or under protected properties	10	10	
Reviewer Comments	Yes, application notes vulnerable populations in the treatment footprint			
7	Treatment area references a forest management plan or is located within a priority planning area listed in Funding Priority 6	10	10	
Reviewer Comments	2020 Lane County CWPP			
8	Project utilizes non-traditional forest products	5	5	
Reviewer Comments	Yes, notes a plan for firewood and mulch			
<b>Final Score</b>		Out of 100	<b>95</b>	



Number of Panel Reviewer # 4		Project Name	South Cascades Small Forestland Hazardous Fuels	
Priority	Proposal Scoring Rubric	Possible Points	Reviewer Score	
1	Clearly describes treatment activities and how future condition reduces risk of high severity wildfire	20	19	
Reviewer Comments	The project will decrease the risk of fire for 3 landowners located primarily in eastern Lane County through fuels reduction.			
2	Project protects infrastructure, creates shaded fuel breaks along roadways, or is in a Wildfire Risk Class of High or Extreme (HUC 6 watershed)	15	13	
Reviewer Comments	The project will use crews to reduce fuel loads around structures and roadways			
3	Project treats or protects multiple properties	15	15	
Reviewer Comments	The project covers 3 properties located within rural communities who have multiple neighbors.			
4	Proposed treatment(s) address insects and disease, drought mortality, invasive species, storm damage or enhances wildlife habitat	15	15	
Reviewer Comments	The proposed treatments will address mortality clean up as well as invasive species, storm damage.			
5	Clearly demonstrates collaborative approach including treatment proximity to previous or planned hazardous fuel treatments	10	9	
Reviewer Comments	The project is a collaboration between ODF and private landowners			
6	Proposed treatment(s) benefit vulnerable populations or under protected properties	10	8	
Reviewer Comments	The projects are located within rural communities populated with elderly residence.			
7	Treatment area references a forest management plan or is located within a priority planning area listed in Funding Priority 6	10	5	
Reviewer Comments	No specific Forest Plans were identified, but the properties are located within a rural Fire Risk area			
8	Project utilizes non-traditional forest products	5	3	
Reviewer Comments	Firewood and mulch are identified as non-traditional products available to individual landowners			
<b>Final Score</b>		Out of 100	<b>87</b>	



Number of Panel Reviewer # 5		Project Name	South Cascades Hazardous Fuels	
Priority	Proposal Scoring Rubric	Possible Points	Reviewer Score	
1	Clearly describes treatment activities and how future condition reduces risk of high severity wildfire	20	18	
Reviewer Comments	Good job listing treatment activities including specifications on future stand condition			
2	Project protects infrastructure, creates shaded fuel breaks along roadways, or is in a Wildfire Risk Class of High or Extreme (HUC 6 watershed)	15	10	
Reviewer Comments	Creates shaded fuel breaks along roadway, protects infrastructure and wildfire risk of low and moderate			
3	Project treats or protects multiple properties	15	10	
Reviewer Comments	Three properties but how do treatments protect multiple properties?			
4	Proposed treatment(s) address insects and disease, drought mortality, invasive species, storm damage or enhances wildlife habitat	15	12	
Reviewer Comments	Invasive species, and excessive fuel build up (storm damage), wildlife leave trees			
5	Clearly demonstrates collaborative approach including treatment proximity to previous or planned hazardous fuel treatments	10	6	
Reviewer Comments	references landowner work, contracting and Firewise communities, but how does it relate to past treatments? Additional partners involved in the planning of project?			
6	Proposed treatment(s) benefit vulnerable populations or under protected properties	10	2	
Reviewer Comments	May benefit surrounding community but landowners receiving treatment, not identified as vulnerable			
7	Treatment area references a forest management plan or is located within a priority planning area listed in Funding Priority 6	10	10	
Reviewer Comments	Activities clearly linked to CWPP priority actions and treatment areas.			
8	Project utilizes non-traditional forest products	5	2	
Reviewer Comments	Firewood listed but not quantified.			
<b>Final Score</b>		Out of 100	<b>70</b>	