

ODF 2021 Small Forestland Grant Program Written Proposal

Project Name: Duesterhoeft Wildfire Mitigation Project

Contact Information:

	ODF District representative (sponsor)
	Community Wildfire Forester

Treatment Location:

- 54.53 acre predominantly conifer forest, located 3.2 miles southwest of Dallas in Section 2, T8S, R6W, Tax lot 100, Polk County Oregon. The property falls within the low wildfire risk class and is located within a current Western States grant area.
- Our family purchased the property in 1970 and it is currently owned by the [REDACTED]. Our family home, barn, well and other infrastructure buildings are located at the southern edge of the property.
- The northern property line is adjacent to a 111-acre industrial forest. The east and west are bordered by ten 5 to 10-acre properties each with houses 20’ to 250’ from our border.
- We have an OTFS certified sustainable wood lot which we manage for wildlife and plant habitat, recreation, environment, and biomass production and carbon storage. Forest stands vary in age from 10 to 80 years.

Description of Treatment Activities:

- AMF Operations LLC CCB# 220492 will be hired to clear/mulch/masticate on 37 acres, including fire break for portions of the perimeter. Of this, 13.2 acres is predominantly berries, Scotch broom, Canadian thistles, tansy ragwort, grass, and brush and 23.8 acres is mixed young plantation stock and older growth interspersed with brush. Treatment will include opening the canopy, elimination of fuels, and removal of invasive plants. AMF will supply any ODF required fire season apparatus.
- Owners will be clearing fuel and invasive plants from the forest floor and perimeter on 16.8 acres utilizing hand tools, chain saws, tractor, chipper, and pickup truck. Wood that is three inches and larger in diameter will be cut into firewood, with the remainder being chipped for forest soil improvement. Trees will be limbed to a height of seven to eight feet. Forest roadways and firebreaks will be branched to a height to allow access for fire apparatus.

Addressing priorities 1-4:

1. Reduce the risk of high severity wildfire by decreasing biomass on the forest floor, creating and maintaining fire breaks, and making the perimeter accessible to fire apparatus.
2. Wildfire mitigation efforts will protect our infrastructure. This includes our 4,300 square foot home completed in 2011, which currently houses four generations; several of us have chronic health conditions. Mitigation efforts will also protect other parts of our infrastructure, including our well, 1150 square foot barn and other out-buildings. Limbing and clearing along the fence lines and roadsides will create shaded fuel breaks and protect access.

3. This project protects multiple properties adjacent to ours. The northern property line is adjacent to a 1000+ acre industrial forest. Ten smaller acreages to the east and west have houses within 20' to 250' from our property line.
4. Treatment addresses damage from the 2021 ice storm, including 8 large trees uprooted, several large trees leaning, small trees being uprooted, broken tops and branches covering the forest floor, and removal of blackberry, Scotch broom, poison oak, and other invasive plants on 13.2 acres. An appropriate number of dead standing trees, downed trees and brush piles will be left to provide habitat for wildlife.

Description of the Anticipated Benefits:

5. We, the owners, are using a collaborative approach to mitigating wildfire risk by doing what we are able and contracting services for the areas where we are unable to do what is needed.
6. Three of our family members have chronic health conditions and two are age 65+. At least six of our immediate neighbors are elderly and one of them is economically disadvantaged.
7. Oregon's Tree Farm System member number 84115. OTFS inspection completed in November 2021.
8. This project will utilize non-traditional forest products including biomass, small diameter firewood and traditional firewood. The chipping process will be used to provide amendments back to the soil.
9. Mitigating wildfire is one of our stewardship main objectives. Ice, snow, and windstorms have added fuel on the forest floor and invasive plants and brush require removal to retard the spread of ground fires. We have been intensely working on reducing fire danger near our infrastructure since the ice storm last year and have harvested 11 cord of firewood which we use to heat our home.

Timeline for Implementation:

- **Winter - Spring 2022:** Stockpile limbs. Move trees to log deck. When contractor is available, clear/mulch/masticate brush and invasive plant species and create firebreak.
- **Summer 2022:** Cut firewood from log deck and limb stockpile. Limited spraying of invasives.
- **Autumn 2022:** Continue contractor work.
- **Winter 2023:** Use pole chainsaw to limb trees along roads and firebreaks. Limb large trees to remove lichen and other combustibles. Complete extraction of firewood materials. Mow invasives.
- **Spring 2023:** Complete project.

Budget (Fiscal structure of the project description)

- Grant amount requested: \$106,810
- Total project cost: \$157,132.26.
- Percentages to sponsor (sum of cost categories 1-5): \$1865.
- Service provider assistance (ODF): 0.
- Leverage sources and amounts:
 - Match (Landowners' labor, equipment, and supplies): \$50,322.26

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

Instructions: Fill out blue-bordered boxes

Grant Agreement #/Project Name: # _____ / Duesterhoeft Wildfire Mitigation

Deliverables	
Below are examples, replace with your projects quantified treatment activities (acres)	
#	20.8 acres of non-commercial thinning, canopy reduction, clear/mulch/masticate invasives
#	13.2 acres clear/mulch/masticate invasives (black berries, scotch broom, grasses, etc.) and brush
#	3 acres clear/mulch/masticate invasives and brush to remove fuel and open canopy on sloped land
#	16.8 acres of removal of storm damage and cutting/chipping of brush & invasive plants
#	0.4 acre clear/mulch/masticate east perimeter to build fire break 1450' x 12'
#	1.9 acres roadways and fire break: trim limbs to 7' & remove fuel and combustibles to 15'
#	Trim and remove branches and lichens to 8' around the homestead
#	33 cord of fire wood for home use
#	Add deliverables as needed
#	Add deliverables as needed
#	Add deliverables as needed
Treatment Footprint	54.53


Cost Category	Grant Request	Leverage (25% required)		Total Project Cost
		Match (if any)	Leverage (if any)	
1. Personnel	\$ 1,200.00			\$ 1,200.00
2. Fringe Benefits	\$ 600.00			\$ 600.00
3. Travel	\$ 65.00			\$ 65.00
4. Equipment	\$ 0.00			\$ 0.00
5. Supplies	\$ 0.00			\$ 0.00
6. Contractual	\$ 104,945.00	\$ 50,322.26		\$ 155,267.26
7. ODF (if applicable)	\$ 0.00			\$ 0.00
8. Indirect				\$ 0.00
Total	\$ 106,810.00	\$ 50,322.26	\$ 0.00	\$ 157,132.26

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. Example: 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	\$1200 (personnel) and \$600 (fringe) = \$1800 for Sponsor administrator's time/site visits working 40 hours @ \$30/hour for the duration of the project.
Travel	16 miles round trip x 8 visits x \$0.51/mile = \$65 for sponsor travel
Equipment	
Supplies	
Contractual Payments	AMF Operations contractor clear/mulch/masticate at \$300 per hour for 49.82 hours = \$104,945.
ODF (if Applicable)	
Leverage Sources	<p>Match -> Chainsaw \$26.25 x 23.5 hr/acre x 16.8 acres = \$10363.50 -> Pole saw \$26.25 x 5 hr/acre x 16.8 acres = \$2205.00 -> Tractor w/mower \$83.13/hr x 10hr/acre x 16.8 acres = \$13965.84 -> Tractor \$54.38/hr x 5hr/acre x 16.8 acres = \$4567.92 -> Pickup \$38.50 x 10hr/acre 16.8 acres = \$6468.00 -. Chipper \$50 x 40hr = \$2000.00 -> Labor: moving and chipping brush & firewood \$20hr x 32 hr x 16.8 acres = \$10752.00 Leverage = \$0</p>
Indirect Costs	

Duesterhoeft Wildfire Mitigation Project Map | Oregon Department of Forestry



1 inch = 500 feet		N
Section 2, T8S, R6W Polk County, Oregon		
Green area	16.8-acre storm damage, cutting/chipping with 3 acres mastication	
Yellow area	13.2-acre Invasive grass and brush area	
Red area	20.8-acre precommercial mastication leaving larger 20-year-old trees	
White line	Established woodlot logging road	
Yellow line	Fire break to be established through mastication	
Blue line	Project boundary / property line	
Light blue line	Seasonal drainage	

Number of Panel Reviewer #1		Project Name	Duesterhoeft Wildlife Mitigation	
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	54.53 acres: Clear/mulch/masticate on 37 acres, including fire break for portions of the perimeter. Treatment will include opening the canopy, elimination of fuels, and removal of invasive plants. Reduce the risk of high severity wildfire by decreasing biomass on the forest floor, creating and maintaining fire breaks, and making the perimeter accessible to fire apparatus.			
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	A home, barn, well and other infrastructure buildings are located at the southern edge of the property. Limbing and clearing along the fence lines and roadsides will create shaded fuel breaks and protect access. The property falls within the low wildfire risk class.			
3	Project treats or protects multiple properties	15	3	
Reviewer Comments	One property bordered by multiple properties.			
4	Proposed treatment(s) address insects and disease, drought mortality, invasive species, storm damage or enhances wildlife habitat	15	15	
Reviewer Comments	Treatment addresses damage from the 2021 ice storm, including 8 large trees uprooted, several large trees leaning, small trees being uprooted, broken tops and branches covering the forest floor, and removal of blackberry, Scotch broom, poison oak, and other invasive plants on 13.2 acres. An appropriate number of dead standing trees, downed trees and brush piles will be left to provide habitat for wildlife			
5	Clearly demonstrates collaborative approach including treatment proximity to previous or planned hazardous fuel treatments	10	10	
Reviewer Comments	This project protects multiple adjacent properties adjacent. The northern property line is adjacent to a 1000+ acre industrial forest. Ten smaller acreages to the east and west have houses within 20' to 250' from the property line.			
6	Proposed treatment(s) benefit vulnerable populations or under protected properties	10	10	
Reviewer Comments	Three of our family members have chronic health conditions and two are age 65+. At least six of our immediate neighbors are elderly and one of them is economically disadvantaged.			
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	Oregon's Tree Farm System member number 84115. OTFS inspection completed in November 2021.			
8	Project utilizes non-traditional forest products	5	5	
Reviewer Comments	This project will utilize non-traditional forest products including biomass, small diameter firewood and traditional firewood. The chipping process will be used to provide amendments back to the soil.			
Final Score		Out of 100	81	

Number of Panel Reviewer #2		Project Name	Duesterhoeft Wildlife Mitigation	
Priority	Proposal Scoring Rubric	Possible Points	Reviewer Score	
1	Clearly describes treatment activities and how future condition reduces risk of high severity wildfire	20	15	
Reviewer Comments	a little slim on future conditions vis a vis high severity wildfire			
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	7	
Reviewer Comments	low wildfire risk area, personal infrastructure, shaded fuel breaks			
3	Project treats or protects multiple properties	15	8	
Reviewer Comments	Project on single property, although surrounding properties will benefit			
4	Proposed treatment(s) address insects and disease, drought mortality, invasive species, storm damage or enhances wildlife habitat	15	15	
Reviewer Comments	Removal of multiple invasive species, dealing with residual storm damage, habitat			
5	Clearly demonstrates collaborative approach including treatment proximity to previous or planned hazardous fuel treatments	10	5	
Reviewer Comments	Landowners sharing workload			
6	Proposed treatment(s) benefit vulnerable populations or under protected properties	10	10	
Reviewer Comments	Age & health of landowners, neighbors			
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	OTFS, recently recertified in Nov 21			
8	Project utilizes non-traditional forest products	5	5	
Reviewer Comments	firewood, biomass, soil amendment			

Final Score

Out of
100

75

Number of Panel Reviewer #3		Project Name	Duesterhoeft Wildlife Mitigation	
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 description of activities			
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	12	
Reviewer Comments	Protects infrastructure, low risk class			
3	Project treats or protects multiple properties	15	5	
Reviewer Comments	One property treated, does mention protection of other properties			
4	Proposed treatment(s) address insects and disease, drought mortality, invasive species, storm damage or enhances wildlife habitat	15	15	
Reviewer Comments	Yes, ice storm/invasives/upland habitat benefits			
5	Clearly demonstrates collaborative approach including treatment proximity to previous or planned hazardous fuel treatments	10	0	
Reviewer Comments	Not clear how proposal links to other treatments			
6	Proposed treatment(s) benefit vulnerable populations or under protected properties	10	10	
Reviewer Comments	Yes, including neighbors			
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	Member of OR Tree Farm System			
8	Project utilizes non-traditional forest products	5	5	
Reviewer Comments	Yes			
Final Score		Out of 100	75	

Number of Panel Reviewer # 4		Project Name	Duesterhoeft Wildfire Mitigation Project	
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	The project is focused on reducing high severity wildfire risk within the Willamette Valley			
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 plan to reduce invasive species and stan thinning are positive and beneficial			
3	Project treats or protects multiple properties	15	11	
Reviewer Comments	The project is focused on the owner's property but has surrounding neighbors, who will also benefit			
4	Proposed treatment(s) address insects and disease, drought mortality, invasive species, storm damage or enhances wildlife habitat	15	14	
Reviewer Comments	The project is focused on meeting all of these concerns			
5	Clearly demonstrates collaborative approach including treatment proximity to previous or planned hazardous fuel treatments	10	7	
Reviewer Comments	The project will provide benefits and increased wildfire mitigation to adjoining landowners.			
6	Proposed treatment(s) benefit vulnerable populations or under protected properties	10	8	
Reviewer Comments	Some of the adjoining landowners are seniors and will benefit			
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	The Lands are under a OTFs plan			
8	Project utilizes non-traditional forest products	5	5	
Reviewer Comments	The owners have planned to utilize products such as firewood, while utilizing chipping products to stabilize and fertilize soils.			
Final Score		Out of 100	86	

Number of Panel Reviewer # 5		Project Name	Duesterhoeft Wildfire Mitigation Project	
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	States stand type, current conditions, and specifies some of treatment activities			
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	Low risk but protects infrastructure and establishes fuel breaks			
3	Project treats or protects multiple properties	15	10	
Reviewer Comments	Treats one multigenerational property, protects adjacent small parcels			
4	Proposed treatment(s) address insects and disease, drought mortality, invasive species, storm damage or enhances wildlife habitat	15	15	
Reviewer Comments	Invasive species named, ice storm with date, quantifies amounts and mentions balance between fire risk and wildlife habitat.			
5	Clearly demonstrates collaborative approach including treatment proximity to previous or planned hazardous fuel treatments	10	2	
Reviewer Comments	Landowners will cost share the work, but no adjacent projects, funding listed but not explicitly stated in how this project connects to or enhances previous fuel mitigation funding.			
6	Proposed treatment(s) benefit vulnerable populations or under protected properties	10	10	
Reviewer Comments	3 members living on property have chronic health conditions and two are elderly. Some neighbors are economically or age vulnerable as well			
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	Landowner is a member of OTFS with inspection referenced.			
8	Project utilizes non-traditional forest products	5	3	
Reviewer Comments	Utilizes firwood but does not specify quantity.			
Final Score		Out of 100	78	