

- **Project Name:** Agate Lake Fuels Reduction

- **Contact Information Applicant Sponsor**

- Jackson County Fire District 3
- [REDACTED]
- [REDACTED]
- [REDACTED]

- **Treatment location**

Agate Lake is an unincorporated area of Jackson County located 2.7 miles NE of Medford, on the backside of Roxy Ann Peak. The total project area is 1800 acres of privately owned land to include 217 homes and 9 miles of roads that are not maintained by the county. In the last 5 years BLM has completed fuels reduction on approximately 50% of their land within the project area. Major power distribution, county dump site, and irrigation infrastructures are all within a quarter mile of the project site.

The community has been supportive of efforts but lacks the ability to financially contribute. There are currently two road associations that manage the gravel roads, however fuel is heavy brush with manzanita, buckbrush and conifer stands on north aspect slopes. The treatment area is split along the ridgeline between Lower and Upper Antelope Creek Watershed and ranks at extreme and high respectively.

- **Description of Treatment Activities**

All treatment activities will be to reduce brush under 4 inches, eliminate ladder fuels, and establish defensible space at the home, accesses, and between properties. This will assist in creating a defensible strategy for the community. Internal smaller hand crews will be utilized on areas where mild to moderate workloads exist while larger contract crews will be utilized on moderate to high workloads utilizing mechanical removal on long stretches of road and with landowners' approval. When physical removal will be utilized fuels will be chipped and removed where possible or stacked and burned in small piles.

1. Fortify fuel break along the right-of-way through fuels crew and contracts with mechanical reduction. 60% of total roadways require work.
2. 200-foot fuel reduction focusing on the 5-30-100 format and adding another 100 feet to support community risk reduction. 60-70% have low to moderate workloads.
3. Improve home access with 5 feet on each side of the driveway with brush and ladder fuel removal
4. Fuel reduction outside of the 200-foot priority to establish a firefighting strategy for the community utilizing fuel reduction crews.
5. Establish a temporary point of refuge along Wren Ridge Road.

- **Description of the anticipated benefit**

Fuels reduction will reduce the risk to the community and the surrounding infrastructures. The roadways are narrow complicated further with fuel along the right-of-way encroaching on the road. By providing the first step in achieving the long-term goal of a fire adapted community, we anticipate the following:

- Increase awareness and vulnerability to wildfire.
- Educate community members on fuels reduction strategies.
- Establish a Firewise Community as well as a community-based strategy in reducing risk for the long term.

We will also:

- Reduce risk to residents and firefighters in the event of a fire.
- Establish a firefighting preplan for the community based on the fuel reduction plan and efforts.
- Increase overall safety for landowners and responders as well as reducing risk to neighboring communities such as Medford.
- Fortify access and egress routes to increase safety.

- **Timeline for implementation**

- Award Granted-Spring 2022
 - Community outreach and homeowner education and support.
 - Implementation of fuels crew.
- Spring 2022- IPL Restrictions Increase
 - Right-of-way mitigation.
 - Small to moderate workload properties.
- IPL Restriction-Winter 2022
 - Finish right-of-way and private access focus.
 - Finish small to moderate work load properties.
 - Begin moderate to high workloads
 - Begin work outside of 200 feet.
- Winter 2022-Spring 2023
 - Continue fuels reduction to achieve wildfire preplan.
- Spring 2023 - June 2023
 - Log information into GIS
 - Establish Firewise Community.

- **Budget**

Total funds requested are \$256,960. Matching funds of 25% are at \$64,444 with the total project cost of \$321,404. Matching funds will be allocated from the general fund to support the project and continued administrative support over time for Firewise and Fire Adapted Community.

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

Instructions: Fill out blue-bordered boxes

Grant Agreement #/Project Name:

1800

/ Agate Lake Fuel Reduction

Deliverables	
Below are examples, replace with your projects quantified treatment activities (acres)	
1	200 acres defensible space at 5', 30', 200' chipping and green waste disposal.
2	65 acres of right-of-way work with mastication, chipping, green waste disposal of less than 4" Dia
3	50 acres defensible strip pile/ burning where inaccessible with chipper
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Treatment Footprint	1800

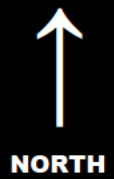
Cost Category	Grant Request	Leverage (25% required)		Total Project Cost
		Match (if any)	Leverage (if any)	
1. Personnel		\$ 28,965.15		\$ 28,965.15
2. Fringe Benefits		\$ 9,655.05		\$ 9,655.05
3. Travel		\$ 1,073.80		\$ 1,073.80
4. Equipment		\$ 8,750.00		\$ 8,750.00
5. Supplies				\$ 0.00
6. Contractual	\$ 256,960.00	\$ 15,000.00		\$ 271,960.00
7. ODF (if applicable)				\$ 0.00
8. Indirect		\$ 1,000.00		\$ 1,000.00
Total	\$ 256,960.00	\$ 64,444.00	\$ 0.00	\$ 321,404.00

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. 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	Community engagement, prescriptions, contractual agreement, project inspection, 340 hours (\$18,954.15 + 6318.05= \$25,272.20) Engine crew for prep and pile burning in areas where removal is not possible for 50 hours. (Engine Boss, operator, crew of two (\$10,011+\$3,337= \$13,348).
Travel	Project is 26 miles round trip. 70 trips for project management, prep/burning, and green waste disposal at federal rate. (\$0.59x70x26=\$1,073.80)
Equipment	Equipment utilization provided by JCFD3 to contractual services. Commercial chipper (25 days x \$250 = \$6,250). Type 6 for burning at OSFM rate (\$50 hr x 50 hr = \$2,500).
Supplies	
Contractual Payments	10-person hand crew for defensible space at 200'. Fuel reduction between 200' bubbles establishing. Fuel reduction for strategic fire deference during event (\$584hr x 8 hr x 55 days= \$256,960). Mechanical mastication and removal of fuel from project location to bio processing site (\$16,000).
ODF (if Applicable)	
Leverage Sources	
Indirect Costs	Materials for landowner connection as well as site prep for crews.

JCFD3 Agate Lake Fuels Mitigation

Agate
Lake
& Dam



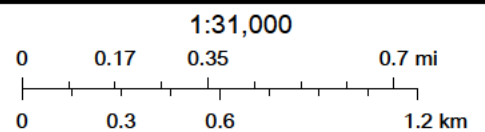
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Tax Lots

- 0 – 5
- > 5 – 10
- > 10 – 15
- > 15 – 20
- > 20 – 30
- > 30 – 160
- Houses_200_Feet
- Home Locations
- BLM Land

Streets - Streets by Type

- Collector; Other
- Local Access
- Private
- Main Access



County of Jackson, State of Oregon, State of Oregon GEO, Esri, HERE, Garmin, Maxar

Agate Lake Fuels Mitigation

Maxar | Please extend credit to Jackson County GIS in any subsequent works derived from its data, such as maps. | County of Jackson, State of Oregon, State of Oregon GEO, Esri, HERE, Garmin |

Number of Panel Reviewer #1		Project Name	Agate Lake Fuel Mitigation Grant	
Priority	Proposal Scoring Rubric	Possible Points	Reviewer Score	
1	Clearly describes treatment activities and how future condition reduces risk of high severity wildfire	20	9	
Reviewer Comments	1800 acres: Brush under 4 inches, mechanical reduction, mastication, chipping, pile burning, green waste disposal of less than 4" diameter			
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	8	
Reviewer Comments	Doesn't state Wildfire Risk Class, helps protect major power distribution, county dump site, and irrigation infrastructures that are all within a quarter mile of the project site, establishes a temporary point of refuge along Wren Ridge Road, fuels reduction along narrow roadways surrounding infrastructures			
3	Project treats or protects multiple properties	15	12	
Reviewer Comments	BLM completed fuels reduction within the project area, 217 homes			
4	Proposed treatment(s) address insects and disease, drought mortality, invasive species, storm damage or enhances wildlife habitat	15	0	
Reviewer Comments	Could not find where this criterium was addressed			
5	Clearly demonstrates collaborative approach including treatment proximity to previous or planned hazardous fuel treatments	10	4	
Reviewer Comments	BLM has completed fuels reduction on approximately 50% of their land within the project area.			
6	Proposed treatment(s) benefit vulnerable populations or under protected properties	10	0	
Reviewer Comments	Could not find where this criterium was addressed			
7	Treatment area references a forest management plan or is located within a priority planning area listed in Funding Priority 6	10	0	
Reviewer Comments	No specific plan was mentioned, only a generic "fuel reduction plan"			
8	Project utilizes non-traditional forest products	5	0	
Reviewer Comments	Could not find where this criterium was addressed			
Final Score		Out of 100	33	

Number of Panel Reviewer #2		Project Name	Agate Lake Fuels Reduction	
Priority	Proposal Scoring Rubric	Possible Points	Reviewer Score	
1	Clearly describes treatment activities and how future condition reduces risk of high severity wildfire	20	10	
Reviewer Comments	vague of specifics of treatment activities; community defensible space/risk reduction: more statement of goals than specifics esp re: future conditions			
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	high-extreme risk category / power & irrigation infrastructure within treatment area			
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	0	
Reviewer Comments	not addressed			
5	Clearly demonstrates collaborative approach including treatment proximity to previous or planned hazardous fuel treatments	10	5	
Reviewer Comments	not specified other than reference to 5-yr-old BLM work			
6	Proposed treatment(s) benefit vulnerable populations or under protected properties	10	4	
Reviewer Comments	not specifically addressed, other than notes that roads are not county maintained and that the community lacks the financial ability to complete this work on their own			
7	Treatment area references a forest management plan or is located within a priority planning area listed in Funding Priority 6	10	0	
Reviewer Comments	Is this information included?			
8	Project utilizes non-traditional forest products	5	0	
Reviewer Comments	Not indicated.			

Final Score

Out of
100

44

Number of Panel Reviewer #3		Project Name	Agate Lake Fuel 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	Treatment activities are generally described, and a little vague when it comes to how future conditions will reduce risk of 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	15	
Reviewer Comments	Does not mention Wildfire Risk Class, but does discuss protecting 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	0	
Reviewer Comments	No			
5	Clearly demonstrates collaborative approach including treatment proximity to previous or planned hazardous fuel treatments	10	10	
Reviewer Comments	Yes, BLM land			
6	Proposed treatment(s) benefit vulnerable populations or under protected properties	10	0	
Reviewer Comments	Not clear on vulnerable populations or if in/out of protected area			
7	Treatment area references a forest management plan or is located within a priority planning area listed in Funding Priority 6	10	0	
Reviewer Comments	Not clear			
8	Project utilizes non-traditional forest products	5	0	
Reviewer Comments	Not clear			
Final Score		Out of 100	55	

Number of Panel Reviewer # 4		Project Name	Agate Lake Fuels Reduction	
Priority	Proposal Scoring Rubric	Possible Points	Reviewer Score	
1	Clearly describes treatment activities and how future condition reduces risk of high severity wildfire	20	10	
Reviewer Comments	The project describes treatment activities for the area but lacks individual landowner's projects			
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	Once again the project is more broad than specific			
3	Project treats or protects multiple properties	15	15	
Reviewer Comments	The project intends to cover a rural community			
4	Proposed treatment(s) address insects and disease, drought mortality, invasive species, storm damage or enhances wildlife habitat	15	10	
Reviewer Comments	The project does address critical issues for the times			
5	Clearly demonstrates collaborative approach including treatment proximity to previous or planned hazardous fuel treatments	10	8	
Reviewer Comments	The proposal conveys a team effort			
6	Proposed treatment(s) benefit vulnerable populations or under protected properties	10	10	
Reviewer Comments	The project does cover a vulnerable rural community			
7	Treatment area references a forest management plan or is located within a priority planning area listed in Funding Priority 6	10	0	
Reviewer Comments	There is no reference to a management plan of any type			
8	Project utilizes non-traditional forest products	5	0	
Reviewer Comments	No reference is made to non-traditional forest products			
Final Score		Out of 100	60	

Number of Panel Reviewer # 5		Project Name	Agate Lake Fuel 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	12	
Reviewer Comments	Lacks detail on treatment prescriptions: What activities are included in fuel 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	15	
Reviewer Comments	Fuel breaks, extreme and high risk, defensible space/infrastructure			
3	Project treats or protects multiple properties	15	10	
Reviewer Comments	Map shows multiple defensible space properties but write up does not state anticipated landowners receiving treatment (project area includes 217 homes, how many are expected to receive treatment/funding support?			
4	Proposed treatment(s) address insects and disease, drought mortality, invasive species, storm damage or enhances wildlife habitat	15	0	
Reviewer Comments				
5	Clearly demonstrates collaborative approach including treatment proximity to previous or planned hazardous fuel treatments	10	10	
Reviewer Comments	BLM funds have treated close to 50% of project area.			
6	Proposed treatment(s) benefit vulnerable populations or under protected properties	10	6	
Reviewer Comments	Financial limitations and			
7	Treatment area references a forest management plan or is located within a priority planning area listed in Funding Priority 6	10	0	
Reviewer Comments	No management plan or planning area referenced			
8	Project utilizes non-traditional forest products	5	3	
Reviewer Comments	Green waste disposal listed.			
Final Score		Out of 100	56	