

## **Exhibit "A"** **Scope of Work**

Signed permission will be obtained from each property owner for this work to be performed.

**This Project will NOT include any work for fire safe clearance work required by Public Resources Code 4291 of Government Code 51182 which is the full responsibility of each private property owner.**

This project entails removing un-merchantable sized trees and brush to create a modified shaded fuel break. No ground disturbing equipment (i.e. bulldozer or excavator pushing soil) will be utilized. The shaded fuel break will be constructed by combination of treatments to include mechanical, hand crews utilizing hand tools and may include pile and burns. The type of treatment will depend on topographic variables, vegetation cover, and abilities of contractor.

The preferred fuel reduction treatment is mechanical mastication with hand liming of residual trees. The Logtown defensible fuel zones will be constructed as a linear feature 200 to 500 feet wide. The fuel break will be constructed using a combination of treatments described below.

The objective of the treatment is to reduce surface and ladder fuels and to protect resources from a wildfire.

### **PRESCRIPTION/TREATMENT**

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**Mastication:** Contractor may use rubber tired or tracked vehicles to cut, chip, and scatter all shrubs and small trees up to 9" (diameter at breast height, 4 1/2 feet above the ground on the uphill side) dbh on site. Trees should be spaced approximately 20 feet between the boles of the remaining trees. All trees not removed will be limbed up to 10 feet above the ground surface.

Brush cover should be reduced by creating a mosaic of treated and untreated shrubs. A minimum 90% of the shrubs should be treated. Brush that is treated should be cut to the maximum of 4 inches in height. No individual pieces of cut material should be greater than 4 feet long. All masticated stumps should be cut to within 4 inches of the ground. No debris should average more than 6 inches in depth over the entire project area. All cut vegetation will be kept within the unit boundaries. Any cut vegetation falling into ditches, roads, road banks, trails, or adjacent units should immediately be removed.

**Hand Thin:** Hand thinning and pile burning or chipping should be accomplished using a hand crew with chainsaws. The contractor will be required to cut material up to 9" dbh with 20'x20' spacing between trees. A minimum 90% of the shrubs should be treated. All uncut trees will be limbed up to 10 feet above the ground and limbed material treated by chipping or piling for burning. All trees not removed will be limbed up in the project area up to 10 feet above the ground surface.

**Piling and Pile Burning:** All dead and down material greater than 1 inch in diameter and up to 10 inches in diameter and all cut material regardless of size can be piled in piles for burning. Piles should be constructed compactly beginning with a core of fine fuels and minimizing air spaces to facilitate complete

combustion. Piles will be constructed no taller than 5 feet nor wider than 6 feet in diameter and located away from trees to prevent damage to the residual trees when burning, each pile will be ringed with fire line a , minimum of 6 feet wide. Piles will be covered and secured with water resistant paper a 4'x4' square to cover the fine material in the center of the piles.

Contractor will be required to get all necessary permits for burning and burn the piles in coordination with the project coordinator and the local fire protection district after the rainy season has started. Contractor will be required to have a fire engine on site during the burning and to provide a small engine for patrol. The engine specifications must meet the US Forest Service specifications for a Type III or Type IV engine. As the piles burn down the contractor must push the unburned material on the inside of the fire line into the pile to burn up all pile residual.

In addition, all burning shall be conducted in compliance with PRC 4421, 4422, 4423 and 4425. Additionally operation of equipment shall comply with PRC 4427, 4428 and 4431.

Contractor shall comply with all applicable federal, state and local laws, regulations and policies governing the funds and scope under this agreement.

**Chipping:** Chipping will be used as a preferred alternative to burning. Chips may be removed from the site and converted to energy for other products or scattered throughout the project area.

**Identification of Protected Species or Other Critical Resources:**

With all environmentally sensitive areas, identification and avoidance during project implementation is important. Should any sensitive resources be found during project implementation, the area should be avoided until the appropriate agencies review the situation.

Final treatment areas will be dependent on property owner's permission.

**Please prepare bids for the project based on a cost per acre.**

Other responsibilities of the Contractor include:

1. Contractor will work with the Project Coordinators, El Dorado County Fire Safe Council and the Logtown Fire Safe Council to insure compliance with the guidelines, conditions and criterions of the grant.
2. Contractor will include enough layout time and supervision time in bid to assure public safety and compliance with property owner and EDCFSC requirements.
3. Contractor will be sensitive to and responsive to property owner's desires within the objectives of the Grant and this contract.
4. Contractor will be responsible for crew's safety and sanitation needs.
5. Contractor shall comply with all established administrative processes (monthly contractor's reports and invoicing) of the FSC.
6. Contractor will protect any areas from disturbance that have been identified as an archaeological site, endangered plant or animal habitat, or watercourses. These areas, if any, will be discussed at the pre-operations meeting and will be flagged as equipment exclusion zones.
7. Contractor will be responsible for ensuring protection of structures, property improvements, power lines and other utilities.
8. Residual trees will be protected from skin ups and damage.