

**STATE OF CALIFORNIA
SIERRA NEVADA CONSERVANCY**

**Sierra Nevada Conservancy Grant Program Safe Drinking Water,
Water Quality and Supply, Flood Control, River and Coastal Protection
Bond Act of 2006 (Proposition 84)**

Applicant: California Department of Forestry and Fire Protection

Project Title: LDSF Fuel Break/Flat Top Biomass

Subregion: North

County: Shasta

SNC Funding: \$ 90,000.00

Total Project Cost: \$104,000.00

Application Number: 578

Final Score: 90.25

PROJECT SCOPE

The LaTour Demonstration State Forest (LDSF) Fuelbreak/Flat Top Biomass project site is located on LaTour Demonstration State Forest, which is located approximately 45 miles east of Redding, in Shasta County and managed by the CA Department of Forestry and Fire Protection. The project consists of creating a 400 foot wide fuelbreak (200 feet on each side of four road segments) located on LDSF covering 199 acres. In addition, a biomass thinning operation is planned on Table Top Mountain which encompasses 104 acres. In total, the Fuelbreak/ Table Top Biomass operation covers 303 acres on LDSF.

One fuelbreak segment is located along a portion of the McMullen Mountain Road which is located on a main ridgeline that transects from east to west near the center of LDSF. This segment is 12,500 feet long and covers 100 acres. Another segment is located on the Cutter Road which is located in the northeastern portion of LDSF. This segment is 6,178 feet long and covers 57 acres. The last two fuelbreak segments are located on the Rim Road, another main ridgeline located in the southeastern portion of LDSF. The combined Rim Road segments are 4,544 feet long and will create 42 acres of fuelbreak. The 104 acre Table Top Biomass thinning operation is located on the eastern Forest boundary, covering the area from the south side of Flat Top Mountain west to the Rim Road and south to the Huckleberry Road.

Each treatment area will consist of harvesting small trees 3 to 12 inches in diameter at breast height (DBH) to achieve a desired spacing of approximately twenty feet between retained residuals. Harvesting will take place by means of mechanical sheers, skidding the resulting raw material referred to as "doodles" to nearby landings, chipping and blowing the material into chip vans, and transporting the chips to a co-generation plant located either in Redding or Burney.

The areas surrounding LDSF have a long history of devastating fires occurring on a regular basis, with significant fires occurring most recently in 1968, 1978, 1987, and 2003. The project will reduce the risk of catastrophic wildfire and potential for post-fire sediment runoff into area waterways, while improving stand vigor and tree growth by thinning overstocked and/or Cytospora infected trees. LDSF is the headwater source of two major streams, Old Cow Creek and South Cow Creek. A tributary to the North Fork of Battle Creek and South Fork of Bear Creek drain small portions of the south side of LDSF.

Cal Fire is providing \$14,000 worth of in-kind support to the project.

PROJECT SCHEDULE

DETAILED PROJECT DELIVERABLES	TIMELINE
Prepare CAL FIRE contract and bid package	July 30, 2012
Prepare and submit harvest exemption	October 31, 2012
Solicit bids for work	October 31, 2012
Flag/sample mark project areas	Summer/Fall 2012
Award bid	December, 2012
Project work, monitoring, documentation	June 1, 2013 – October 31, 2013
Progress Report	December 2013
Final Report	May 31, 2014
FINAL PAYMENT/FINAL PAYMENT REQUEST	June 30, 2014

PROJECT COSTS

PROJECT BUDGET CATEGORIES	TOTAL SNC FUNDING
Direct*	\$90,000.00
Indirect**	0
Administrative***	0
GRAND TOTAL	\$90,000.00

* Direct: Direct costs are expenses necessary to acquire, construct, or to adapt property to a new or different use, or to improve property including land, buildings and equipment. The property/expense must have a useful life longer than one year.

** Indirect: Expenses involve ongoing operations, repair or maintenance costs, regardless of whether the repair or maintenance may last more than one year.

*** Administrative: Expenses associated with the administration of a project and may not exceed 15 percent of the total SNC grant request for direct and indirect costs.

PROJECT LETTERS

- Support
 - Cow Creek Watershed Management Group

PROJECT PERFORMANCE MEASURES

There are four Performance Measures common to all grants. In addition, grantees are required to include between one and three project-specific measures. Performance Measures listed here represent those proposed by applicants and may be modified through further discussion with SNC staff.

- Acres of Land Improved or Restored
- Kilowatts of Renewable Energy Production Capacity Maintained or Created