

**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:	Sierra Institute for Community and Environment
Project Title:	Plumas Community Energy Wood Processing Facility
Subregion:	North Central
County:	Plumas
SNC Funding:	\$350,000
Total Project Cost:	\$350,000
Application Number:	780
Final Score:	85

PROJECT SCOPE

The project will implement a wood processing facility that will convert forest biomass into conditioned wood chip fuel for boilers in Plumas County. This support will allow Sierra Institute, in partnership with Wisewood, Inc., to launch the implementation of a central facility that will enable the rapid development and implementation of a larger woody renewables boiler network. The construction of the wood processing facility will include all components needed to create woodchip fuel to serve multiple institutional boiler systems, including: raw material receiving and storage, chipping, screening, conditioned fuel storage, and loading for distribution. The facility will also be designed to accommodate the future construction of a 3mw combined heat and power biomass facility on-site.

Deliverables for this grant include: site preparation, excavation and concrete work, construction of a building to store processed chips, and purchase and installation of the necessary mechanical equipment (a metering hopper, a “wood hog” chipper, a chip screen, storage bins, a conveyor system, and conveyor motors) to process the chips. Grant funds will also be used to pay for all engineering and labor costs to construct and install equipment.

The Sierra Institute’s forest biomass project will reduce the use of high cost fossil fuels at public institutions and lower the risk of catastrophic wildfire by integrating the use of woody biomass from thinning and hazard fuel reduction projects in the surrounding forests to heat existing public buildings and facilities. Additional outcomes of the project include the creation of local jobs and reduced greenhouse gas emissions from the controlled combustion of woodchips in local boilers. Operation of this facility will help

facilitate sustainable forest fuel management projects, thereby resulting in improved health of forests and wildlife habitat, plus improved security of transmission lines and hydroelectric facilities in the forest. By developing a wood processing facility linked to a network of boilers fueled by wood chips, the project will directly facilitate fuels reduction and forest stand improvement treatment of approximately 200-acres per year.

PROJECT SCHEDULE

DETAILED PROJECT DELIVERABLES	TIMELINE
Permitting	June 30 – August 30, 2014
Site Preparation and Construction	June 30 – August 30, 2014
Mechanical and Electrical Installation	July 15, 2014 – April 30, 2015
Six Month Progress Report	December 30, 2014
Chip Stock-Piling Onsite	July 1, 2014 – April 30, 2015
Chip Processing and Delivery begins	April 2015
Six Month Progress Report (Final)	June 30, 2015
FINAL PAYMENT/FINAL PAYMENT REQUEST	August 30, 2015

PROJECT COSTS

PROJECT BUDGET CATEGORIES	TOTAL SNC FUNDING
Direct*	
Permitting, construction, stock-piling	\$333,000.00
Indirect**	\$ 0.00
Administrative***	\$17,000.00
GRAND TOTAL	\$350,000.00

* 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/OPPOSITION

- Support
 - Plumas County Planning Department
 - Plumas County Office of Education
 - Forest Supervisor, Plumas National Forest
 - Eastern Plumas Health Care
 - Plumas County Fire Safe Council
 - Kelly Holt, Diversified Resources

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.

- Kilowatts of Renewable Energy Production Capacity Maintained or Created
- Number and Type of Jobs Created