

Yuba IRWMP – CCP01

Project Short Form¹

Please fill out the following information to the best of your ability/knowledge. Once the project has been received, and a preliminary review completed, the project team will work with you to develop additional information.

PROJECT SPONSOR INFORMATION

Lead Agency/Organization	Camptonville Community Partnership, Inc.
Name of Primary Contact(s)	Cathy LeBlanc, Executive Director/ Lindsey Nitta, Project Manager
Mailing Address	16585 School Street PO Box 218 Camptonville, CA 95922
Email Address	cathy@theccp.org / lindsey@theccp.org
Phone (###) ###-####	530-288-9355
Project Partners/Collaborators	<p>PROJECT PARTNERS</p> <ul style="list-style-type: none"> • Yuba Water Agency • Yuba County Watershed Protection and Fire Safe Council • Soper-Wheeler • University of California Cooperative Extension • USFS Tahoe NF & Plumas NF • Sierra Nevada Conservancy • National Forest Foundation • Center for Sustainable Energy • Sierra Institute for Community and Environment • Statewide Wood Energy Team (SWET) • Biomass Working Group (BWG) • UC Davis - California Biomass Collaborative • Camptonville Community • Camptonville School • Camptonville Community Services District • Yuba County Board of Supervisors • Yuba Sutter Economic Development Corporation • Nevada County Biomass Task Force • Fire Safe Council of Nevada County • Bear Yuba Land Trust • South Yuba River Citizens League
YWA Liaison	Willie Whittlesey WWhittlesey@yubawater.org

GENERAL PROJECT INFORMATION

Project Title	Camptonville Biomass-to-Energy Project
Project Total Budget (Attach detailed budget, if available)	Approx. \$18,000,000 - \$22,000,000
Budget Breakdown	Planning/Design Budget: Implementation Budget:
Project Funding Match, if any	Approx. \$18,000,000 from other grants
Total Project Funding Request	\$2,000,000 - \$4,000,000
Project Location (Attach map if available)	The biomass-to-energy plant will be constructed at a location referred to as the Gellerman site located between the towns of Camptonville and Dobbins/Oregon House.

¹ Completed Project Short Forms should be sent via email to Katie Burdick at admin@burdico.net **and** Elizabeth Herrera at Elizabeth.herrera@fishsciences.net

City/Community	Camptonville; Dobbins; Oregon House; Brownsville and surrounding communities
Watershed/subwatershed	Yuba Watershed
Groundwater Basin	Yuba County
Funding Area	SRFA or MC
Project Priority (Select one)	High/Medium/Low
Project Type (highlight in gray <i>all</i> that apply)	Conceptual Feasibility Study Study/Assessment Planning Engineering/Design Permitting CEQA/NEPA Facility Construction Restoration Monitoring Best Management Practices Acquisition Demonstration/Pilot Project

Please select the *status* of the CEQA/NEPA/Permitting for this project:

CEQA (Select one)	Exempt - Not Started - Initial Study - EIR – Determination - Unknown if Required
NEPA (Select one)	Exempt - Not Started - Environmental Assessment - EIS – Record of Decision - Unknown if Required
Permitting (Select one)	Not Required - Not started – Identified – Consultations Complete – Application Submitted – Complete – Unknown if Required

PROJECT DESCRIPTION

Write a narrative briefly describing the project components and/or characteristics (maximum of 300 words).

The goal of the Camptonville project is to improve watershed health and reduce wildfire threats by using dead and diseased trees and other forest byproducts removed from forest lands to fuel a 5 MW renewable energy power plant. The plant will comprise a direct combustion boiler steam turbine generator which will produce electricity for export under the CA BioMAT program. The plant will be integrated with advanced emissions controls and a state-of-the-art low water use condenser. The plant's key technologies have been successfully used as individual components, but they have not been demonstrated as an integrated system at this project's relatively small scale (5 MW). The facility is estimated to consume 50,000 bone dry tons of woody biomass annually harvested from public and private forested lands near Camptonville, California.

Positive impacts include considerable reductions in air emissions and the amount of water consumed for biomass power generation; support utility ratepayers by increasing the availability of renewable electricity,

increase grid reliability, and reduce risk of catastrophic wildfire by utilizing dead and diseased trees and forest byproducts.

Camptonville intends to serve as a replicable business model for successful biomass utilization in other Sierra Nevada communities faced with high forest fuel loads and limited economic opportunities. The operation is estimated to create up to 27 new full-time jobs which will cut the unemployment rate in the rural community by more than 50%.

The plant will be a combined heat and power facility ~ producing both electricity and heat using forest biomass. The electricity produced will be sold to PG&E while the heat produced will be sold to businesses with heat requirements that are located alongside the bioenergy facility. Such businesses could include greenhouses; a firewood, pole or wood pellet manufacturing facility; a wood pallet recycling facility; a composting facility; or a brewery to name a few.

PROJECT RATIONALE/ISSUES STATEMENT

Briefly describe the need for the project and the desired outcomes/deliverables (maximum of 200 words).

California is facing a tree mortality crisis due to several factors, including consecutive years of drought, a dramatic rise in bark beetle infestation, and warmer temperatures. Dead and dying trees are a significant problem in Sierra Nevada forests, where the U.S. Forest Service has estimated that there are at least 102 million dead trees over 7.7 million acres. While some dead trees contribute to a healthy forest ecosystem, the record levels of tree die-off have created dangerous conditions that could fuel catastrophic wildfires. Bioenergy from forest biomass/ Biomass to electricity can provide long-duration energy storage from renewable resources, while being excellent stewards to our watershed including:

Water Use Reductions – This facility will consume about 48.3 million gallons of water per year less than a conventional condenser technology (79% savings).

Watershed Benefits – The proposed project will promote forest health within the Yuba and Feather River watersheds, thereby protecting water quality, quantity, and reliability for local and downstream domestic and agricultural users. The Yuba and adjacent Feather River watershed are major drainages of the western slope of the Sierra Nevada. They each contain extensive forested landscapes that support recreation, hydropower generation, tourism, agriculture, and species/habitats of local and statewide significance.

ATTACHMENTS:

- Task based budget
- Map of project location