

**BURNEY BIOGENRY PROJECT DEVELOPMENT
FALL RIVER RESOURCE CONSERVATION DISTRICT**

SNC CAT 2 PROPOSAL

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SIERRA NEVADA CONSERVANCY		
PROPOSITION 1 – Watershed Improvement Program Project Information Form		
SNC REFERENCE #		
PROJECT NAME Burney Bioenergy Project Development		
APPLICANT NAME (<i>Legal name, address, and zip code</i>) Fall River Resource Conservation District P.O. Box 83 McArthur, CA 96056		
AMOUNT OF GRANT REQUEST \$75,000.00		
TOTAL PROJECT COST \$187,000.00		
PROJECT LOCATION (<i>County with approx. lat/long, center of project area</i>) Shasta County, Latitude 040 59' 29.65' N; Longitude 121 37' 24.99' W; NAD 27 Datum		
SENATE DISTRICT NUMBER 01	ASSEMBLY DISTRICT NUMBER 01	
PERSON WITH MANAGEMENT RESPONSIBILITY FOR GRANT CONTRACT		
<i>Name and title</i>	<i>Phone</i>	<i>Email Address</i>
<input checked="" type="checkbox"/> Mr. Mike Millington <input type="checkbox"/> Ms.	530.336.6591	fallriverrcd@citlink.net
TRIBAL CONTACT(S) INFORMATION		
<i>Name:</i> Marissa Fierro		<i>Phone Number:</i> 530.335.1118
<i>Email address:</i> marissa.fierro@pitrivertribe.org		
COUNTY ADMINISTRATOR OR PLANNING DIRECTOR CONTACT INFORMATION		
<i>Name:</i> Rick Simon, Director,		<i>Phone Number:</i> 530.225.5532
<i>Email address:</i> rsimon@hsastacounty.org		
NEAREST PUBLIC WATER AGENCY CONTACT INFORMATION		
<i>Name:</i> Willie Rodriguez		<i>Phone Number:</i> 530.335.3583
<i>Email address:</i> info@burneywater.org		

Please identify the appropriate project category below and provide the associated details (Choose One)

Category One Site Improvement

Category Two Pre-Project Activities

Category One Acquisition

Site Improvement/ Acquisition Project Area

Project Area:

Total Acres:

SNC Portion (if different):

Acquisition Projects Only For Acquisitions Only

Appraisal Included

Select one primary Pre-Project deliverable

Permit

CEQA/NEPA Compliance

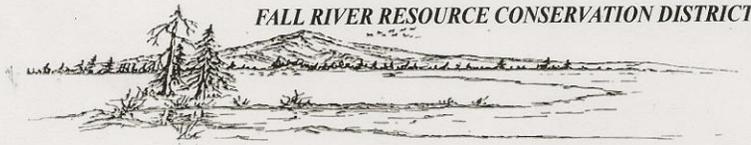
Appraisal

Condition Assessment

Biological Survey

Environmental Site Assessment

Plan



FALL RIVER RESOURCE CONSERVATION DISTRICT

44327 Hwy 299 E
McArthur, CA 96056

Website-www.fallriverrcd.org

**BEFORE THE BOARD OF DIRECTOR OF THE FALL RIVER RESOURCE
CONSERVATION DISTRICT
COUNTY OF SHASTA, STATE OF CALIFORNIA**

IN THE MATTER OF: Grant application to the Sierra Nevada Conservancy for
the Burney Bioenergy Project Development.

RESOLUTION NO: 82415-1

BE IT RESOLVED: by the Board of Directors of the Fall River Resource Conservation District
that said Board does hereby approve submitting a grant application in the amount of \$75,000 to
the Sierra Nevada Conservancy for the purpose of Burney Bioenergy Project Development.

BE IT FURTHER RESOLVED that the Board President of said Board be and hereby is
authorized to sign and execute said agreement on behalf of the Fall River Resource Conservation
District.

The foregoing resolution was duly passed and adopted by the Board of Directors of the Fall
River Resource Conservation District at a special meeting thereof, held on the 24th day of
August in the year 2015, by the following vote.

AYES: 6

NOES: 0

Abstentions 1

Signature, Board of Directors Member

Print Name and Title MICHAEL J. MILLINGTON, PRESIDENT

6a. Project Description/Purpose:

The project will ready the site of a future 3-megawatt (MW) community-scale bioenergy facility in the Burney region of Shasta County. Our goal is to advance the facility's project readiness by building upon existing efforts to formalize the facility design, construction, and integration costs.

Project Background: In 2009/2010, the Fall River Resource Conservation District established a new collaborative known as the Burney-Hat Creek Community Forest and Watershed Group (Group). One purpose of the group was to establish a legacy project that would improve the environment, economy, and social well being of the community. The Group advanced three projects to improve forest and meadow health. Each project focused on a key resource issue identified by regional strategic plans, localized watershed management plans, and stakeholder analyses. As each project progressed, it became clear that a major "bottleneck" in the region was the inability to utilize forest biomass. For example, the Burney Gardens Meadow Restoration project, one of the three Group projects, estimated that 50,000 bone-dry-tons (BDT) of biomass needed to be removed from the meadow and provided to the sole remaining biomass facility (i.e. Burney Forest Power). The project was permitted in early 2012, is recognized as a novel and highly collaborative project, and to this date has not removed any biomass because there is an incredible supply/demand issue in the region; that is, negotiations for BFP to purchase the biomass have still not been reached.

Like many supply/demand issues, this one is complex. Importantly,

- Two facilities have closed in the last twelve years (Covanta, a 13 MW facility and Big Valley Lumber Company, a 7.5MW facility).
- Most of the biomass from sawlog and biomass projects is left in the woods or piled and burned.
- Use of fracking to extract natural gas (NG) has led to a NG surplus and subsequent drop in price.
- Natural gas production is expected to continue at a high rate for at least ten years.

The new Senate Bill (1122) is slated to rectify these supply-demand issues in forested regions. The bill creates a specific carve-out for the utilization of forest biomass and a pricing structure that is favorable for newly created, small (<3 MW) facilities. The Fall River RCD has conducted several site assessments, held a community meeting to inform members of the benefits of bioenergy projects, and is part of a statewide effort to establish new small biomass facilities throughout the Sierra.

Since the RCD's initial effort to identify potential sites in 2013, considerable progress has been made for establishing the bioenergy facility. The site is now owned by Hat Creek Construction and Materials, Inc. (HCC), and various projects already occur onsite. Over the past two years, HCC has been working with the RCD to learn more about biomass utilization and have decided to pursue the future installation and operation of a gasification system by forming a partnership with West Biofuels, a technology vendor that has developed and patented a new circle draft gasifier.

Several steps have since been made by HCC and the RCD to advance this future facility. The RCD and SI submitted a pre-application to PG&E to determine the feasibility of the location for electricity conveyance. Once PG&E concluded that the interconnection was feasible, HCC initiated conversations and negotiations with West Biofuels. The RCD and HCC also contacted their local Shasta County Board of Supervisors representative and held a meeting with Shasta County’s Natural Resource Director. Both parties encouraged HCC and the RCD to pursue a project and identified that Shasta County would serve as the Lead Agency for environmental compliance.

HCC has already funded a System Impact Study (SIS) and a portion of an Initial Study Mitigated Negative Declaration to comply with the California Environmental Quality Act. The studies and documents are expected to be complete by December of 2015. HCC has also negotiated an agreement with West Biofuels to provide their new circle draft gasification system for electricity generation. Site engineering and preparation funds are being requested by the RCD to refine facility costs specific to the historic sawmill site. The designs will be conducted by local consultants and the project will be managed by the Fall River RCD Watershed Coordinator, Todd Sloat.

The project aligns with existing State planning priorities, which include the California’s 2012 Bioenergy Action Plan, SNCs Forest Health Goals Strategic Plan, and their Watershed Improvement Program (WIP). Much of the area surrounding the project is also designated within the Healthy Forest Restoration Act as a high priority due to high acreage of unhealthy forests and important water contribution to the State of CA. With continued support from SNC, the RCD believes this project will help demonstrate the long-term effectiveness of the Sierra Nevada Conservancy.

6b. Workplan and Schedule:

The below table lists the tasks, milestones/deliverables, schedule, and funding source for this proposed project.

Task No. 1 includes the day-to-day responsibilities of invoicing, corresponding, bookkeeping, coordinating, and preparing for RCD and other meetings. The Pit RCD Business Manager, Sharmie Stevenson, or Board President, Mike Millington, will conduct these duties for the life of the grant. Most of the costs associated with the project include invoicing and payment between SNC and with consultants/contractors.

Workplan Task	Deliverable(s)/Milestones	Schedule	Funding Source
1. Project Administration and Management	Agreements are executed; progress reports are completed; draft and final reports are completed	Life of the grant period; to be completed within two years of signed agreement with SNC	SNC requested herein

2. CEQA	Initial Study Mitigated Negative Declaration	Expected completion date is December 2015	Match Funding
3. Interconnection Study	System Impact Study Report	Expected completion date is February 2016	Match Funding
4. Site Design	Engineered Site Schematics	Will be completed within eight months of signed agreement with SNC; expected completion by December 2016	SNC requested herein
5. Process Design	Engineered Site Schematics	Will be completed within eight months of signed agreement with SNC; Expected completion by December 2016	SNC requested herein
6. Utility Design	Engineered Site Schematics	Will be completed within eight months of signed agreement with SNC; Expected completion by December 2016	SNC requested herein
7. Building	Engineered Site Schematics	Will be completed within two months of completed site, facility, and utility design completion dates; Expected completion by February 2017	Match Funding
8. Development Cost Estimate	Detailed Project Cost Estimate	Will be completed within five months of completed Tasks 3-7; Expected completion by July 2017	Match Funding

Task No. 2 is being prepared by Todd Sloat Biological Consulting, Inc. and VESTRA Resources, Inc. Legal counsel is being provided by Darlington Legal Services. These consultants are referred to as the CEQA team. Hat Creek Construction staff and the CEQA team have met with the Director of Shasta County and staff to discuss the benefits of community scale biomass facilities. Shasta County has been very supportive and suggested that HCC prepare in Initial Study Mitigated Negative Declaration (ISMND).

Task No. 3 is being prepared by West Biofuels and Electrical Power Systems, Inc. HCC is paying for this task initiated in July 2015. This task includes one line diagrams, three-line diagrams, communication with PG&E representatives, and review of PG&E supplied drawings and cost estimates (as needed). Task No. 3 focuses on electrical design after the point of common coupling. The cost estimate provided to HCC for this task was 30,000.00.

Task No. 4 is Site Design and includes the preliminary civil site designs for the site at HCC. The site design will assess the on-site road infrastructure, feedstock storage layout and design, site grading and stormwater management, building layout, and fire access. Site design will provide initial cost estimates for site work.

Task No. 5 is Process Design and includes the equipment layout including gasification, conveyors, feedstock unloading and pre-screening, gas conditioning, biochar storage, engine-generators, switchgear, and the control room. The process design will provide point load and equipment height information for the building design.

Task No. 6 is Utility Design and includes preliminary engineering design work to accommodate appropriate water, septic, and electrical utilities for the site. Utility design will be coordinated with the results of Task No. 3 for information regarding electrical utility design requirements. Task No. 5 will focus on preliminary electrical design in front of (on the HCC side of) the point of common coupling. Preliminary design for the water system will address fire code requirements.

Task No. 7 is Building Design and includes the preliminary engineering design work for the structure housing the equipment. The structure is expected to be a pole barn type structure to shelter the equipment and working staff from weather. The foundation for the structure and the equipment will be included in Task No. 6.

Task No. 8 is Cost Estimate and includes an analysis of the engineering documents developed in Tasks No. 3 through No. 7 to update the project cost estimate with actual cost. The cost estimate is critical to assessing the appropriate power purchase agreement price required for a successful project.

6c. Restrictions, Technical/Environmental Documents and Agreements

6c1. Description of Regulatory Requirements/Permits Needed:

Meetings with Shasta County Planning Department have determined that the project will require the preparation of an ISMND. An ISMND is currently being prepared and is expected to be completed by December 2015. Other necessary future permits include an air quality permit from the California Air Resources Board. Finally, a grading permit may be needed from Shasta County depending upon the final site specific location selected within the 135-acre HCC facility.

6c2. Description of Restrictions/Agreements Needed/In Place:

Agreements needed to advance the bioenergy facility include fuel supply agreements with private logging companies, industrial timberland owners, and the United States Forest Service. The RCD is currently funded by the Statewide Energy Team (SWET) to develop these agreements and these are expected to be completed by December 2015. Initial conversations with private logging companies are positive and there is an enormous oversupply of biomass in the region that cannot be sold to existing bioenergy facilities because they already have plenty of fuel.

6d. Organizational Capacity:

Fall River RCD has successfully secured, managed, and implemented numerous natural resource planning and implementation projects in the last ten years. Several of these projects included agreements with SNC. This work has been accomplished by a small core team consisting of an Administrative Assistant, two part-time employees, and a Watershed Coordinator. In addition to this staff, the RCD Board of Directors are actively involved with projects and spend many hours in planning meetings to ensure project goals and objectives are met. This project intends to use the administrative help of Sharmie Stevenson, Business Manager for the Pit RCD, administrative help from President Mike Millington, and management/coordination from Todd Sloat, Watershed Coordinator. Mrs. Stevenson has been managing grants for the Pit RCD for over 15 years. Mike Millington has served as a director and President for ten years, and Todd Sloat has served as the RCD Watershed Coordinator for 12 years. This project team has implemented an estimated 34 grants in the last seven years between the two RCDs (Pit and Fall River) totaling over 15 million dollars. Every project awarded to the RCDs has been successfully completed on time and under budget. This is particularly impressive given that a few of these projects received unexpected opposition once they were awarded, but the staff, consultants, community members, and stakeholders were able to resolve those conflicts and find agreeable solutions.

6e. Cooperation and Community Support:

The primary reason to advance a bioenergy project from the community's perspective is not about producing power; it is about processing waste wood to promote forest health. Sustaining and improving forest health and upland vegetation conditions are identified as goals within the Upper Pit River Watershed Management Strategy and Upper Pit River Integrated Regional Water Management Program (IRWMP) Plans. In fact, the stakeholders within the IRWMP voted to include a bioenergy project that requested funds to conduct a system impact study, site plan, and engineering through the 2015 IRWMP Request for Proposals. However, subsequent conversations with the Department of Water Resources and IRWM consulting specialists felt it would not be competitive because the project had to show a specific "water" nexus and the water nexus associated with forest health was not thought to be strong enough to warrant the effort to include it within the proposal. In addition to these region-wide plans, other efforts demonstrate community support for bioenergy projects. These efforts include the Pit Resource Conservation Districts Conceptual Business Model that was developed to reestablish a sawmill and bioenergy facility at the historic Big Valley Lumber Company site near Bieber, CA. Multiple stakeholders assisted with developing the business model. The most recent effort that demonstrated community support was exhibited at an outreach meeting held near Burney in June 2015. Fifteen community members attended, provided input, and asked questions during the information meeting. The RCD has solicited those who attended as well as other community members to be part of a Leadership Team that would help further advance biomass utilization projects and inform community members and groups regarding their community benefits.

As mentioned earlier, Shasta County and the representative areas for the County Board of Supervisors met with the RCD and HCC. They are supportive of the project and

have encouraged the RCD and HCC to pursue this project.

6f. Tribal Support Narrative:

The Pit River Tribe is a member of the Burney-Hat Creek Community Forest Watershed Collaborative Group, and has participated in project planning. Early stakeholder outreach for resource issues was conducted with Tribal Council members. Much of this project planning has resulted in success for project restoration work, particularly associated with streams and meadows along for the lower Hat Creek project. Relative to the project proposed herein, the Pit River Tribe was contacted but did not respond to subsequent emails to set up a meeting with Jeff Oldson, Fall River RCD Board of Director. In the past, the Pit River Tribe, specifically their environmental coordinators, have shown both support and opposition to projects that address forest health (depending on the project coordinator present at the group meetings). The Pit River Tribes current Environmental Coordinator, Marissa Fierro, indicated that she would like to have a telephone conference to discuss the project, but she did not respond to follow-up emails seeking to set up the conference as mentioned above (Jeff Oldson pers. comm.).

6g. Long-Term Management and Sustainability:

The project requests funds to support site development and does not require a long-term management plan.

6h. Performance Measures:

Performance Measures (PM) that will be documented as part of the project include PM 1-4, PM 6, PM 12, and PM 13. The below Table lists the PMs and describes how they will be assessed as well as the responsible documenting entities.

Performance Measure (PM)	Responsible Entity and Description
PM 1. Number of people reached	The Fall River RCD will publish at least one newspaper article highlighting the project. The Watershed Coordinator will also present the project in at least two forums (e.g. neighboring RCD meeting, biomass/energy related conference)
PM 2. Resources leveraged for the Sierra Nevada	The Fall River RCD will track resources and dollars leveraged
PM 3. Number and types of jobs created	The Fall River RCD will document the number and type of full-time-equivalent jobs created from the SNC funding
PM 4. Number and value of new, improved, or preserved economic activities	The Fall River RCD and Hat Creek Construction and Materials, Inc. will document the number of new, improved, or preserved economic activities
PM 5. Percent of Pre-project and planning efforts resulting in project implementation	The Fall River RCD will identify the activities expected to be implemented after the project has been completed, and document the percentage of those expected activities that have been

	implemented (one to three years after)
PM 6. Kilowatts of renewable energy production capacity maintained or created	The Fall River RCD will document the amount, in kilowatts, of expected renewable energy production capacity

7a. Budget Narrative

Direct Costs: Direct costs (Task 1) in this budget pertain only to project work necessary to develop necessary designs. This includes project management, and fees associated with the specific design task (e.g. site design, utility design, and building design). The RCD has requested cost estimates from local contractors who have performed this type of work, and performed it well and at low costs. All work will be conducted under contract. Project management costs in this budget pertain only to expenses directly related to coordinating design work, developing contracts, and ensuring contract stipulations are being met. The Project Management line item assumes approximately 50 hours of work over the life of the grant. The Fall River RCD’s Watershed Coordinator will serve as Project Manager, and will provide general oversight of all elements of the proposed project.

Site design (Task 3) will be provided by Duane K. Miller Civil Engineering Inc. based in Anderson CA (<http://www.dkmengr.com/>). Mr. Miller has performed other survey work in the region and is well respected by the Shasta County Planning Department.

Utility design (Task 4) will be provided by Gary Olsen with Electrical Power Systems, Inc. Gary has over 40 years’ experience with electrical engineering design construction and project management. He has designed the interconnection of numerous facilities and is considered an expert by Pacific Gas & Electric Company.

Building design (Task 5) will be provided by Euard McCaine Engineering based in Susanville CA. Mr. McCaine has designed several structural designs for large buildings in the region and has been in business for over 25years.

Partial Indirect Costs: Partial indirect costs include Fall River RCD staff time and Watershed Coordinator time to conduct monitoring, prepare outreach and education materials, conduct reporting, and process invoices and payments. Other costs include purchase of ink, publishing newspaper articles, and printing associated with a newsletter.

Administrative Costs. Costs associated in this section are primarily for Fall River RCD staff time for organization costs that benefit all RCD programs but that cannot be identified to a specific program. These costs are minimal and include items such as monthly meeting coordination and correspondence. The value within this grant request totals \$1,000. Other administrative costs include expenses associated with the operation of the RCD and include audit, telephone, and utilities. It is assumed that implementation of the proposed project will account for approximately 35% of the RCD’s operating costs, such as utilities, telephone, internet, insurance, audits, etc. These costs

are estimated at approximately \$1,530.00 per month for the life of the grant (total \$6,426.00).

Other Project Contributions: Sloat Consulting and VESTRA are preparing the CEQA document (Task 2) as an in-kind service valued at \$25,000 and the document is expected to be completed in November 2015. HCC is also paying Darlington Legal Services for input and review of the document, including meetings with County staff and the Air Board. This value is estimated to be \$10,000.

HCC is funding a System Impact Study (SIS) that is valued at \$30,000. The SIS is being performed by West Biofuels and Electrical Power Systems, Inc. The SIS is being submitted to Pacific Gas & Electric Company in early September 2015.

West Biofuels is providing in-kind process design engineering site schematics, and also development cost estimate. The process design is valued at \$40,000, and the cost estimate at \$7,000.00



Shasta County

ADMINISTRATIVE OFFICE

LAWRENCE G. LEES
COUNTY EXECUTIVE OFFICER

1450 COURT ST., SUITE 308A
REDDING, CALIFORNIA 96001-1680
VOICE – (530) 225-5561
(NORTH STATE) – (800) 479-8009
FAX – 229-8238

August 26, 2015

Mike Millington
Fall River Resource Conservation District
P.O. Box 83
McArthur, CA 96056

Dear Mr. Millington:

As the Executive Officer of Shasta County, I write in support of the Bioenergy project at the historic sawmill site in the Burney region.

Representatives for Shasta County met with the Fall River RCD Watershed Coordinator Todd Sloat and Hat Creek Construction, Inc. and discussed the benefits and concepts of the project. The recent loss of infrastructure including the devastating fires of 2014 in Eastern Shasta County will be mitigated with the Bioenergy project which is expected to promote economic growth, employment and reduce forest fuels and process waste wood to stimulate forest health now and for the years to come.

Please contact me with any questions or if you need further information.

Sincerely,


Lawrence G. Lees
County Executive Officer

cc: Pam Giacomini, Shasta County Supervisor District 3

SIERRA NEVADA CONSERVANCY
SNC Watershed Improvement Program - DETAILED BUDGET FORM

Project Name: Burney Bioenergy Project Development

Applicant: Fall River Resource Conservation District

SECTION ONE DIRECT COSTS	Year One	Year Two	Year Three	Year Four	Year Five	Total
<i>Project Management Costs</i>	\$5,000.00					\$5,000.00
<i>Site Design</i>	\$20,000.00					\$20,000.00
<i>Utility Desgin</i>	\$23,074.00					\$23,074.00
<i>Building Design</i>	\$15,000.00					\$15,000.00
						\$0.00
						\$0.00
						\$0.00
DIRECT COSTS SUBTOTAL:	\$63,074.00	\$0.00	\$0.00	\$0.00	\$0.00	\$63,074.00

SECTION TWO PARTIAL INDIRECT COSTS	Year One	Year Two	Year Three	Year Four	Year Five	Total
<i>Monitoring, - Perfomrance Measures</i>	\$1,000.00					\$1,000.00
<i>Publications, Printing, Public Relations</i>	\$500.00					\$500.00
<i>Reporting, Communications, Invoice-Billings</i>	\$3,000.00					\$3,000.00
						\$0.00
INDIRECT COSTS SUBTOTAL:	\$4,500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,500.00
PROJECT TOTAL:	\$67,574.00	\$0.00	\$0.00	\$0.00	\$0.00	\$67,574.00

SECTION THREE						Total
Administrative Costs (Costs may not exceed 15% of the above listed Project costs) :						
<i>*Organization operating/overhead costs</i>						\$0.00
<i>Administration</i>	\$1,000.00					\$1,000.00
<i>audit, telephone, utility</i>	\$6,426.00					\$6,426.00
						\$0.00
						\$0.00
ADMINISTRATIVE TOTAL:	\$7,426.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7,426.00
SNC TOTAL GRANT REQUEST:	\$75,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$75,000.00

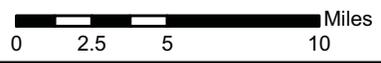
SECTION FOUR¹ OTHER PROJECT CONTRIBUTIONS	Year One	Year Two	Year Three	Year Four	Year Five	Total
<i>List other funding or in-kind contibutors to project (i.e. Sierra Business Council, Department of Water Resources, etc.)</i>						
CEQA; Todd Sloat Biological Consulting, Inc., Vestra Resources, Inc,	\$25,000.00					\$25,000.00
Interconnection Study; Hat Creek Construction and Materials, Inc. (HCC)	\$30,000.00					\$30,000.00
Facility Desgin; West Biofuels,	\$40,000.00					\$40,000.00
Development Cost Estimate; HCC, West Biofuels	\$7,000.00					\$7,000.00
CEQA Legal Council; HCC	\$10,000.00					\$10,000.00
						\$0.00
Total Other Contributions:	\$112,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$112,000.00

NOTE: The categories listed on this form are examples and may or may not be an expense related to the project. Rows may be added or deleted on the form as needed. Applicants should contact the SNC if questions arise.

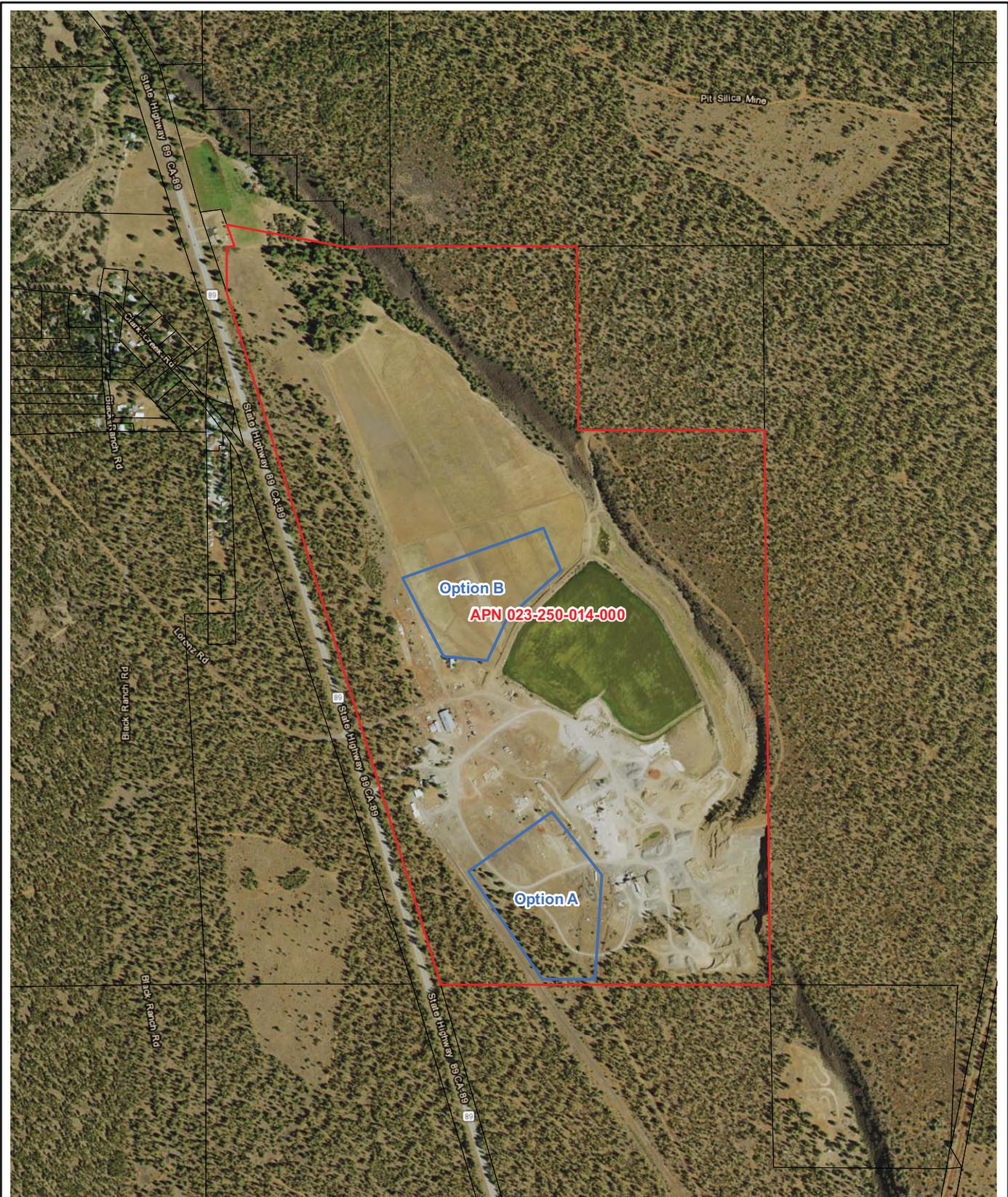
¹ Values for Other Project Contributions are a mix of in-kind services (CEQA, Facility Design, and Development Cost Estimate) and cash paid by HCC to consultants (Interconnection Study, CEQA Legal Council)

8a. Supplementary Documents – Environmental Documentation

The project proponents have met with Shasta County Planning Department as described earlier in this grant proposal. The County determined the project will likely result in an Initial Study and a Mitigated Negative Declaration, and advised Hat Creek Construction to obtain the services of a consultant team to prepare an Initial Study.



**FIGURE 2
PARCEL MAP WITH COUNTY
ASSESSOR'S PARCEL NUMBERS**



- Proposed Bioenergy Facility Location
- Approximate Parcel Boundary

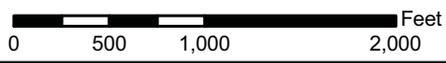
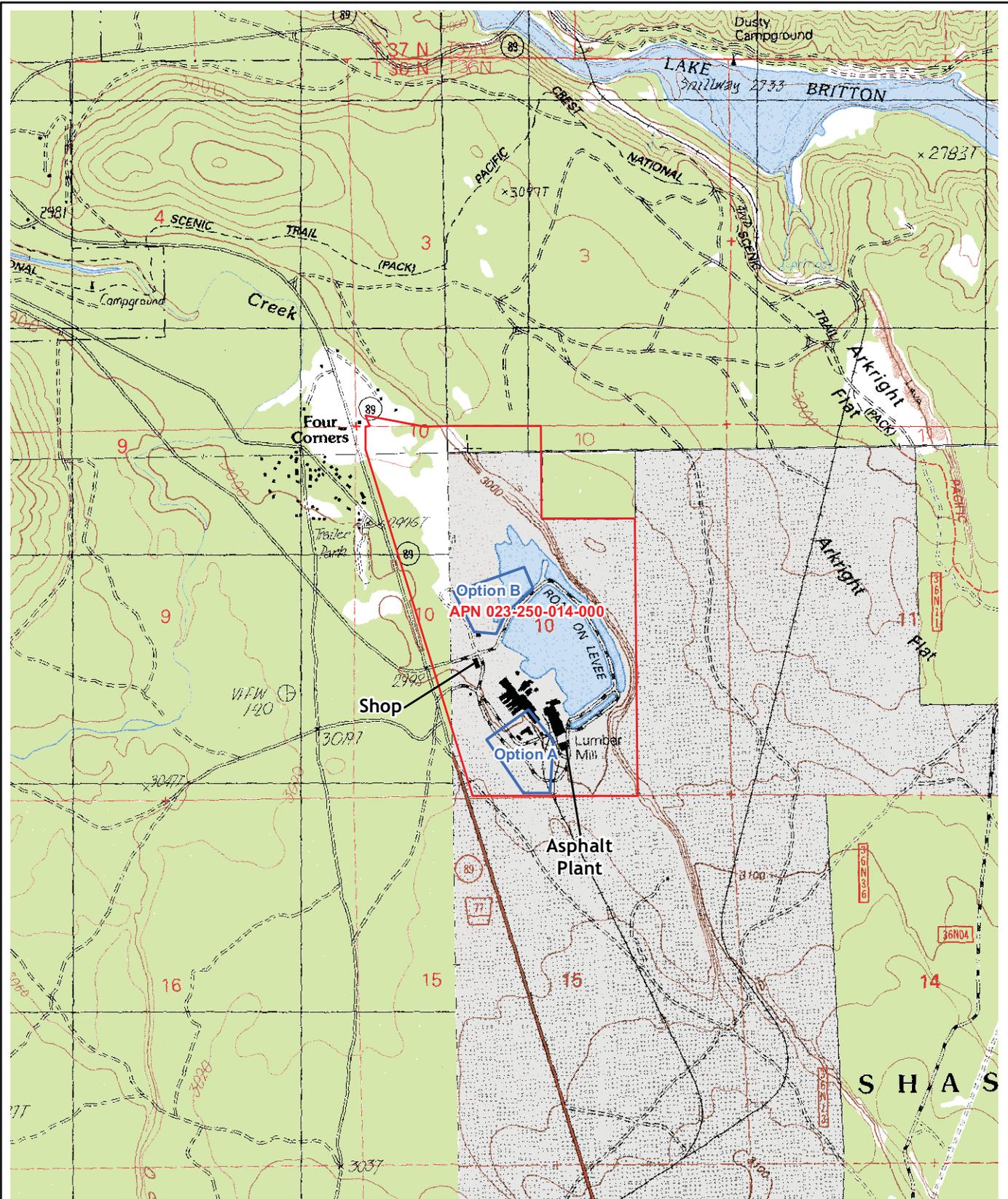


FIGURE 2
 PARCEL MAP WITH COUNTY
 ASSESSOR'S PARCEL NUMBERS



- Proposed Bioenergy Facility Location
- Approximate Parcel Boundary

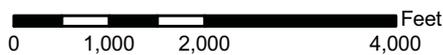


FIGURE 3
TOPOGRAPHIC MAP

8b. Maps and Photos – Photos of the Project Site



Option A area.



Option A area.



Option B area.