

UPPER FEATHER RIVER
INTEGRATED REGIONAL WATER MANAGEMENT PROGRAM
Regional Water Management Group

Sharon Thrall, Plumas County Flood Control and Water Conservation District
Paul Roen, Sierra County
Jeff Engel, Plumas County
Doug Teeter, Butte County
Russell Reid, Feather River Resource Conservation District
Rick Roberti, Sierra Valley Resource Conservation District
Jim Roberti, Sierra Groundwater Management District
Roger Diefendorf, Plumas County Community Development Commission
Trina Cunningham, Maidu Summit Consortium
Jeffrey Greening, Public Member
Joe Hoffman, Plumas National Forest (Advisory)
Carol Thornton, Lassen National Forest (Advisory)
Quentin Youngblood, Tahoe National Forest (Advisory)

**AGENDA FOR REGIONAL WATER MANAGEMENT GROUP MEETING OF
OCTOBER 13, 2017 TO BE HELD AT 1:00 P.M. IN THE
PLUMAS COUNTY PLANNING CONFERENCE ROOM, 555 MAIN STREET, QUINCY, CALIFORNIA**

www.featherriver.org

AGENDA

The Regional Water Management Group of the Upper Feather River Integrated Regional Water Management Program welcomes you to its meetings, which are regularly held on the fourth Wednesday of every other month, and your interest is encouraged and appreciated.

Any item without a specified time on the agenda may be taken up at any time and in any order.

Any person desiring to address the Board shall first secure permission of the Regional Water Management Group Chair. Any public comments made during a regular Regional Water Management Group meeting will be recorded. Members of the public may submit their comments in writing to be included in the public record.

CONSENT AGENDA: These matters include routine administrative actions. All items on the consent calendar will be voted on at some time during the meeting under "Consent Agenda." If you wish to have an item removed from the Consent Agenda, you may do so by addressing the Chairperson.



REASONABLE ACCOMMODATIONS: In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting please contact Randy Wilson at 530-283-6214. Notification 72 hours prior to the meeting will enable the County to make reasonable arrangements to ensure accessibility. Auxiliary aids and services are available for people with disabilities.

STANDING ORDERS

1:00 P.M. **CALL TO ORDER/ROLL CALL**

ADDITIONS TO OR DELETIONS FROM THE AGENDA

PUBLIC COMMENT OPPORTUNITY

Matters under the jurisdiction of the RWMG, and not on the posted agenda, may be addressed by the general public at the beginning of the regular agenda and any off-agenda matters before the RWMG for consideration. However, California law prohibits the RWMG from taking action on any matter which is not on the posted agenda unless it is determined to be an urgency item by the RWMG. Any member of the public wishing to address the RWMG during the "Public Comment" period will be limited to a maximum of 3 minutes.

ANNOUNCEMENTS/REPORTS

Brief announcements.

CONSENT AGENDA

These items are expected to be routine and non-controversial. The RWMG will act upon them at one time without discussion. Any RWMG members, staff member or interested party may request that an item be removed from the consent agenda for discussion.

A) RWMG

Approve RWMG Meeting Summary for the regular meeting held on June 23, 2017.

ACTION AGENDA

1. INTEGRATED REGIONAL WATER MANAGEMENT REGIONAL COORDINATION

Summaries and discussion of various IRWM coordination efforts and updates. Informational.

- a. Report on the Sierra Water Workgroup Water Summit. Informational.
- b. Update on the IRWM Roundtable of Regions efforts. Informational.
- c. Inter-regional IRWM Coordination. Informational.
- d. Sacramento River Watershed Program. Informational.
- e. Butte Fire Safe Council Little Butte Creek Forest Health Project Phase II letter of support request.
- f. SRWP Forbestown Ridge Forest Health Project request for letter of support.

2. DISADVANTAGED COMMUNITY INVOLVEMENT GRANT UPDATE

Update on the Disadvantaged Community Involvement (DACI) project that is led by Sierra Institute. Informational.

3. UPPER FEATHER RIVER IRWM SUPPORT FUNDING

Discussion of funding options for administrative support and coordination for the Upper Feather River IRWM Program. Informational.

4. IRWM IMPLEMENTATION PROJECTS

Review projects identified for potential Plumas County Community Development Commission assistance. Discussion and direction to staff.

5. GRANT OPPORTUNITIES

- a. Upcoming grant opportunities. Informational.
- b. DWR update. Informational.

6. NEXT STEPS

Discuss next meeting date and content.

ADJOURNMENT

Upper Feather River IRWM Regional Water Management Group

DRAFT SUMMARY MINUTES

June 23, 2017

Recordings of the meeting are available here:

Video #1 <https://www.youtube.com/watch?v=eJEVktbjr2Q>

Video #2 <https://www.youtube.com/watch?v=HAUotKavlXM>

Video #3 <https://www.youtube.com/watch?v=qpZ7FQ-0up4>

Video #4 <https://www.youtube.com/watch?v=S9dfWTy9oIY>

Video #5 <https://www.youtube.com/watch?v=PMiB-uHrjmc>

Call to Order and Roll Call

(Video#1 0:05)

Sherrie Thrall called the meeting to order on June 23, 2017 at 1:07 pm at the Plumas County Planning Conference Room, 555 Main Street, Quincy, California.

Members Present:

Sherrie Thrall, Plumas County Flood Control and Water Conservation District

Jeff Engle, Plumas County Board of Supervisors

Doug Teeter, Butte County Board of Supervisors

Russell Reid, Feather River Resource Conservation District

Roger Diefendorf, Plumas County Community Development Commission

Trina Cunningham, Maidu Summit Consortium

Nancy Francine, Plumas National Forest (Advisory)

Members Absent:

Paul Roen, Sierra County Board of Supervisors

Rick Roberti, Sierra Valley Resource Conservation District

Jim Roberti, Sierra Valley Groundwater Management District

Jeffrey Greening, Public Member

Carol Thornton, Lassen National Forest (Advisory)

Quentin Youngblood, Tahoe National Forest (Advisory)

Staff Present:

Randy Wilson, Plumas County Flood Control and Water Conservation District

Uma Hinman, Hinman and Associates, Inc

Additions or Deletions from the Agenda

(Video#1 0:35)

None noted

Public Comment Opportunity

(Video#1-0:42)

Nancy Francine announced the presence of the USFS Plumas County Forest Supervisor, Daniel Lovato. Daniel Lovato introduced himself and noted he is making himself and the Plumas County Forest District more available for support.

Announcements / Reports

(Video#1-2:00)

Trina Cunningham announced she has been developing a Traditional Ecological Knowledge (TEK) Symposium, which is scheduled for August 2, 2017. She is working with the Government Office of Planning

and Research to put on this two-day event. Trina extended an invitation to all of the RWMG. The agenda for the Symposium will focus on goals, planned discussions, and attendees. Uma Hinman asked if there was any information on the TEK Symposium to post on the website. Trina said yes and also added she would like to have ongoing weekly planning meeting update until the event.

Uma Hinman announced the flyer presented at the meeting for the Sierra Water Workgroup Summit, which will be held July 24th & 25th in Kings Beach. The focus of the summit this year will be on “Legal and Legislative Strategies to Protection our Headwaters.” A number of sessions planned will focus on disadvantaged communities.

CONSENT AGENDA

a. RWMG Approval of Meeting Minutes for August 19, 2016 (Video#1-5:30)
Upon motion by Trina Cunningham and seconded by Roger Diefendorf, the RWMG Meeting Minutes for April 21, 2017 were unanimously approved as presented.

ACTION AGENDA

1. Butte County RWMG Representation (Video#1-5:57)
Sherrie welcomed Butte County representative Doug Teeter, and asked if there had been any further discussion of Butte County joining the UFR RWMG. Randy Wilson asked if the Butte County Board of Supervisors approved the MOU, which Doug confirmed they did, indicating their eagerness to join.

Upon motion by Russell Reid and seconded by Jeff Engle, the RWGM unanimously approved adding Butte County representation to the RWMG and formally seating Doug Teeter as Butte County’s representative.

2. Proposition 1 Disadvantaged Community Involvement Coordination (Video#1-7:26)
Uma Hinman introduced Sierra Institute guest speaker, Lauren Miller, as well as Hinman and Associates new Assistant Planner, Melissa Burger.

As a continuation from the last meeting, Uma Hinman briefly reviewed DWR’s Proposition 1 Disadvantaged Community Involvement (DACI) grant application of the Mountain Counties Funding Area (MCFA), which is a funding area wide application. The DAC Coordinating Committee (CC) representatives, which consists of representatives of nine IRWM regions included in the MCFA, met June 7, 2017, providing feedback on an administrative draft application to the Sierra Institute Team, the applicant for the grant. The Sierra Institute is working on the final draft, which is included in the agenda packet in its current form.

Lauren Miller explained that this final draft is the first of two rounds of revisions with the CC and is currently accepting comments. The Sierra Institute is planning on doing one more round and with the CC, and upon approval the final draft will be submitted to the DWR as soon as possible.

Lauren explained to the RWMG, within the proposal there are six components required by DWR. They are

- 1) Applicant – Describes how and why the Sierra Institute was selected as the applicant.
- 2) MCFA Disadvantaged Communities Background – Examines how DAC identification and needs assessments have been handled within all participating IRWMs. This section also discusses shortfalls of the current definition of DACs and indicates gaps where the Sierra Institute will work to fill by providing a more inclusive methodology and refining the definition.

- 3) DAC Involvement Activity Description – Discusses all planned activities proposed for the three years covered by the grant. Within the proposal, there is a section included regarding annual reviews for all activities, budget, and schedules for modification if necessary.
- 4) Statement of Qualification – Elaborates on the qualifications of the Sierra Institute.
- 5) Schedule – will be reviewed with the CC and DWR after the first year.
- 6) Budget - \$1.3 million, will be reviewed with the CC and DWR after the first year.

Lauren also pointed out some recent changes that were applied to the draft application in the schedule and budget sections. In the Schedule, one modification is that 3.3 is included in the most recent version of the schedule. In the Budget, there is also a 3.3 included. There were also a few changes in the Schedule to create more flexibility. The Budget now includes an invoice from the Sierra Water Work Group (SWWG) for their assistance with the Request for Qualification (RFQ) and coordination of group meetings.

Randy Wilson pointed out that this is a tangible step towards building capacity, moving forward with water issues for all nine IRWMs and focusing heavily on identifying each of their needs. The DWR currently uses a standard basis of 80 percent of median state household income, which doesn't necessarily capture the true disadvantaged nature of these communities. Refining the definition of a disadvantaged community will require applying social science, capacity analysis and tools for building capacity in the future. The hope is being able to fund needed project to reduce water issues.

Russell Reid asked why the DWR is concerned about disadvantaged areas. Uma Hinman explained that this proposal focuses on water and wastewater needs for disadvantaged communities within the Sierra. Uma further emphasized that water bonds and solicitations for grants in the past would be sent out, in which metropolitan areas and/or the larger water districts would be better equipped to obtain the grant funding. Historically, the smaller, disadvantaged communities who have more need were unable to participate because they lack the capacity to pursue and obtain grants. This is an effort on DWRs part to bring those DACs up to a level in which they are able to compete for funding. Lauren Miller added that this is the first step, the involvement step, in the process and will be followed by more funding for implementation. Uma clarified that \$1.3 million is awarded out of \$13 million for DACI within the MCFA and there is an additional \$1.3 million set aside for DAC Implementation projects. Those are minimum figures but whatever additional DAC funding that is needed will be taken from the total allocation of \$13 million for the MCFA.

Randy Wilson further added that redefining the definition of DAC more accurately will aid efforts for other funding sources besides DWR. Leah Wills provided more insight on the Water Board Legislature decision to get involved with DACs. Driven by the nitrate problems in the San Joaquin Valley and the fact that some of these locations still did not have drinking water, the Legislature directed agencies to get seriously involved in servicing these struggling communities. The Water Board has a \$500 million budget that is available for drinking water and wastewater projects for poorer communities. A major push for all the IRWMs in the region to work together is to solidify competitiveness while simultaneously generating a proposal emphasizing the needs to the rest of the larger IRWMs within the state. The group effort allows smaller communities to compete with the larger districts for more funding opportunities.

Sherrie Thrall expressed one of her major concerns is now that the Proposition 84 funding has ended, funding that provided for IRWM Program support staff and consultants is no longer available. Support services are invaluable to the Program and one of the main issues that has been noted is that the very people that need the money do not have the capacity to pursue grants (i.e., writing grant proposals, implementation, and grant management). Although the RWMG has discussed and agreed to move forward with the UFR IRWM Program, there has been no discussion about who is going to pay for it. There are three counties benefiting from the time and effort from support staff and consultants, which creates

the need to propose who and how much each county will pay for these services. **(Video#2-0:13)** Sherrie explained the difference in the counties by geographical size, population density, and portions of the county involved. The question of what would be a fair division followed. Sherrie argued if the plan is to progress with this, we need to ensure that money is set aside for staff and ideally, an additional pool of funds set aside to assist other organizations with building their capacity.

Russell Reid validated the concern and also added his concern is the potential of overlapping times of planning for grants while also applying for grants. Uma Hinman shared that this same topic has been brought up at CC meetings and there is an attempt from DWR to adjust the grant solicitation schedule. Leah Wills added that one of the changes Lauren spoke about earlier was the CC pushed the capacity and technical assistance forward in an effort to continue planning for areas that are in more need. Some areas have a good start which require less assistance and allows them to move forward quicker. Sherrie Thrall brought the conversation back to the questions of how do we finance the people doing the ground work to accomplish all of this. There needs to be an assessment of costs for staff and consulting fees as well as a proposal of how to fairly divide that cost between the three counties. Doug Teeter stated that he believed initially separating the charges by population was fair and in the future, as projects become funded, it should shift to those counties paying a larger share. Randy reported that a budget for Hinman & Associates Consulting to continue providing support services for the coming year is \$25,000 and up to this point, Plumas County has been the only contributor. Further discussion on this will be discussed at the next meeting.

Doug Teeter asked for a time frame of when the Final Draft Application would be submitted to the DWR. Lauren Miller and Uma Hinman stated the second round begins June 30, 2017 and the following week it will be submitted. There is only one week left for comments. Sherrie Thrall suggested that if any member of the RWMG wants something added to the Final Draft to review the draft they currently have and submit comments within the next week.

3. Regional Coordination Updates

(Video#3 - 3:54)

Uma Hinman participated in the May 30, 2017 Roundtable of Regions meeting and notes from the meeting along with a PowerPoint are included in the agenda packet. One point that has not been discussed by the RWMG is that DWR is looking to slightly change their grant process to enhance coordination between the applicant and DWR. The main focus is to possibly include feedback and better communication.

There was a discussion about the appropriateness of bringing SIGMA in to work together with the IRWM's instead of being two separate entities. Response varied. They also put together a letter to the state titled *Response to Department of Water Resources Report – Stakeholder Perspectives: Recommendations for Sustaining and Strengthening Integrated Regional Water Management* stating support and offering assistance to move forward. The last item is the DWR updates that are provided in the agenda packet.

4. Draft Support Letter to the State for the IRWM Program Funding

(Video#3 – 7:40)

During the last meeting held April 21, 2017, staff was directed to draft a Letter of Support to the state to encourage baseline funding for IRWM regions. Uma Hinman presented a draft Letter of Support and asked for feedback and consideration for approval. She also asked if there was anyone else that should be cc'd as a recipient. Sherrie Thrall agreed the list of recipients was sufficient.

Doug Teeter suggested that since Plumas County is paying for Hinman & Associates Consulting services, that perhaps they should state it on the letter that the UFR Program is being paid from a County general fund which potentially will not be available in the coming years. Doug suggested it would be beneficial to ask DWR what efforts they are considering to fund administrative services IRWMs. Uma agreed to add it in the Letter of Support.

Nancy Francine described grant processes of the US Forest Service and shared some of the struggles and challenges they are subjected too as Federal entities. Doug Teeter added to the conversation that the Sierra Nevada Conservancy is allowed money for administration but the IRWMs do not. Doug suggested that perhaps the RWMG should invite the Sierra Nevada Conservancy to see how we could partner in their lobbying efforts. Randy Wilson added that it all comes back to capacity for partnering up. Nancy brought up the point that having partners with the correct skill sets and interests would be helpful. Sherrie mentioned that the problem is that these types of groups and/or organization struggle with having the capacity.

Roger Diefendorf stated that Plumas County Community Development Commission has the capacity to administer grant money but money for administration would still be needed. Sherrie Thrall mentioned the majority of these smaller areas have organizations that are all volunteer and longevity can be a struggle. Without providing these organizations with financial assistance, building their capacity for grant opportunities will continue to be a struggle. An organization such as the Plumas County Community Development Commission could provide support for organizations that have grant opportunities available to them but do not have the capacity to apply for them.

Trina Cunningham mentioned to the RWMG that this is one of the major topics that will be discussed at the TEK Symposium. An entire day will be dedicated to coordination, cooperation and leveraging resources to better achieve a necessary and obvious need for the region.

Russell Reid suggested an issue that also needs to be addressed is how our demographics in the rural northern areas are changing. Leadership is no longer there. Farmers are aging, cattlemen are aging and the younger populations are either not there or at least not involved. Sherrie noted that she has been watching the demographics over the years and Plumas County is losing 1.5- 2 percent of the population yearly, primarily made up of younger families. Both Russell and Sherrie believe we have to change tactics to incorporate this factor.

Sherrie Thrall brought the conservation back to the Letter of Support to the state, asking staff to include the suggestions made by Doug Teeter and to also reformat the front page.

5. Grant Opportunities and Implementation Projects (Video#4 – 12:35)

Uma Hinman discussed the Implementation Projects and noted the recent correspondence with project sponsors to update project status and contacts. Five of the projects have received at least partial funding, some being Forest Service projects. Also, specific outreach was targeted to municipal projects sponsors to encourage sponsors to look into the State Water Resource Control Board Technical Assistance (TA) Grant. Five project sponsors responded stating they would like assistance applying for the TA Grant and that might be something to consider in next year's budget. The focus of this was to simply gauge who and how many would be interested in receiving help.

Uma mentioned that in the back of the agenda packet is a list of funding opportunities from the Sierra Nevada Conservancy.

6. Next Steps (Video#4 – 16:16)

Next meeting is scheduled for September 22, 2017 at 1pm at the Plumas County Planning Conference Room, 555 Main Street, Quincy, California.

Adjournment

The meeting was adjourned at 2:43 pm.

**Upper Feather River
Integrated Regional Water Management
Regional Water Management Group Quarterly Meeting
October 13, 2017**

To: Upper Feather River Regional Water Management Group
From: Uma Hinman, Hinman & Associates Consulting
Subject: Regional Coordination Updates

a. Sierra Water Workgroup

Several representatives of the UFR Region attended the Sierra Water Workgroup Summit on July 24-25, 2017 in Kings Beach. The Summit focused on “Legal and Legislative Strategies to Protecting our Headwaters.” We will spend the first day framing questions and strategies regarding how Headwaters issues can be addressed with legislative and policy strategies. We will focus on a legal panel of experts and 4 main breakouts:

- Unrepresented (DAC definition, human rights to water, tribal involvement);
- Climate Change (water quality, water supply, forest management);
- Integrated Regional Water Management Areas (Have they worked?, Should we continue to support?); and
- Coordinated Advocacy for the Headwaters

The second day included presentations from legislative members/staff on how the State and Federal government is addressing headwater issues. The Summit ended with a facilitated discussion on the strategies developed by stakeholders, and how dollars are expected to follow those policy trends.

b. Roundtable of Regions

The Roundtable of Regions is an all-volunteer forum for IRWM regions engaged in preparing and implementing IRWM Plans to network, share ideas, and provide feedback to DWR on the IRWM program. The Roundtable of Regions has created workgroups for more focused work on specific subjects. The workgroups are still being refined but staff are participating in the Disadvantaged Community Involvement Needs Assessment and Program Evaluation Working Group meetings.

c. Inter-regional Outreach

We’ve received outreach from adjacent IRWM regions notifying the RWMG of plan update efforts underway.

Upper Pit River Watershed IRWM Plan is being updated to be compliant with 2016 IRWM Guidelines. They will be holding a public review process of the updated IRWM Plan sometime in September.

Yuba County Integrated Regional Water Management (IRWM) Plan is being updated to be compliant with 2016 IRWM Guidelines. They anticipate holding a public review process of the updated IRWM Plan beginning in December.

d. Sacramento River Watershed Program

The Sacramento River Watershed Program (SRWP) reached out in an effort to share information and resources to address water-related issues within the Sacramento River watershed. They are working with partners including the Butte County Fire Safe Council (BCFSC) on a landscape level planning effort in Butte County. Components of this planning effort include the development of a regional collaborative, a data/information management system, and pilot projects. The Sacramento River Watershed Portal (SRW Portal) has been developed in partnership with the State Water Resources Control Board and 34 North. The web-based SRW Portal serves as an information hub and foundation for collaborative regional efforts connecting our partners to data, funding, and projects. Information on both the SRW Portal and the SRWP organization is included as attachments. The SRWP is partnering with the BCFSC on a pre-application for the SNC Prop 1 funding that includes work in the Forbestown Ridge planning area. They have asked for \$75K to complete CEQA for future projects in the Merry Mountain/Clipper Mills communities and develop a web based data library and decision support tool where users can access maps, project information, photos, and other community resources. The pre-application has been submitted and the final proposal is due November 1st.

e. Butte County Fire Safe Council Request for Letter of Support

The Butte Fire Safe Council has requested a support letter from the Upper Feather RWMG for the *Little Butte Creek Forest Health Project Phase II* project. The goal of the project is to improve forest health and reduce hazardous fuel on 400 acres of forested land in Magalia on Paradise Irrigation District, Paradise Pines Property Owner's Association, and Paradise Union School District lands, as well as contribute to landscape level planning through a data portal for Forest Ranch and Paradise planning areas. The Magalia lands have received clearance through CEQA and a Forest Management Plan has been developed. The project will implement recommendations of the Forest Management Plan. The project is located directly adjacent to the Upper Feather River IRWM Region (see pages 11-13 of the attached project description) and is consistent with the following objectives of the Upper Feather River IRWM Plan 2016:

- Reduce potential for catastrophic wildland fires in the Region.
- Balance the needs of forest health, habitat preservation, fuels reduction, forest fire prevention, and economic activity in the Upper Feather River Region.
- Effectively address climate change adaptation and/or mitigation in water resources management.
- Improve coordination of land use and water resources planning.
- Enhance public awareness and understanding of water management issues and needs.

f. Sacramento River Watershed Program Request for Letter of Support

The Forbestown Ridge Forest Health Project will accelerate hazard reduction and restoration projects in the Feather River Watershed and represents an important piece of landscape level planning and restoration efforts in Butte County and the Sacramento River Watershed. This Project advances numerous goals and objectives identified in the Upper Feather River Integrated Regional Water Management Plan (UFR IRWM Plan) including:

- Reduce potential for catastrophic wildland fires in the Region.
- Balance the needs of forest health, habitat preservation, fuels reduction, forest fire prevention, and economic activity in the Upper Feather River Region.
- Build communication and collaboration among water resources stakeholders in the Region
- Improve coordination of land use and water resources planning.
- Enhance public awareness and understanding of water management issues and needs.

REQUEST/RECOMMENDATION

- a. Informational.
- b. Informational.
- c. Informational.
- d. Informational.
- e. Discussion and direction to staff.
- f. Discussion and direction to staff.

Attachments: Little Butte Creek Forest Health Project Phase II Project Pre-Application
 Draft Letter of Support for the Little Butte Creek Forest Health Project Phase II Project
 Forbestown Ridge Forest Health Project Pre-Application
 Draft Letter of Support Forbestown Ridge Forest Health Project Pre-Application

Submitted Pre-Application

SNC Grant Number:

1024

Phone:

530-877-0984

Name:

Calli-Jane DeAnda

Applicant Organization:

Butte County Fire Safe Council

Title:

Executive Director

Project Name:

Butte Creek Forest Health Project

Email:

firesafe@buttefiresafe.net

Project Category:

Category One Site Improvement

Project Summary:

This landscape level project located in the rural northern Sierra Nevada's in a mixed conifer forest spanning three watersheds; Little Chico Creek, Little Butte and Butte Creek. The project influences 70,000 acres and will thin fuels on 400 acres of forest lands.

The purpose of the project is to; 1. Protect water quality and improve water quantity 2. Prevent catastrophic wildfire 3. Restore forest ecosystems from overstocked conditions with forest thinning and prescribed fire. 4. Reduce Greenhouse Gas Emissions/ Improve Air Quality and Carbon Storage.

Project partners include public and private landowners, local, state and federal land managers, non-profit organizations and local fire safe councils.

The project will cost \$499,899.60 and is a follow up to the Sierra Nevada Conservancy grant 835 which developed a Forest Health Management Plan and CEQA compliance for 1066 acres in the Little Butte Creek Watershed.

Project Description:Location

The project area is in the Paradise Ridge and Forest Ranch planning areas as identified in the Butte County Community Wildfire Protection Plan Landscape Level Planning Framework (CWPP Landscape Framework). The project area includes Little Chico Creek, Little Butte Creek and Butte Creek watersheds. The project will take place on 400 acres of forest lands: Paradise Pines Property Owners Association (PPOA) (300 acres), Paradise Irrigation District (PID) (60 acres), Paradise Unified School District (PUSD) (40 acres). These properties are clustered near Paradise Lake and Magalia Reservoir. Wildfires in the adjoining communities have burned 93,000 acres in the last 15 years. The potential for a large, fuel driven fire to occur in these watersheds is very real. This project spatially contributes to large scale forest health efforts by the Bureau of Land Management and National Forest. Several completed projects are in the nearby vicinity.

Purpose

The following purposes of the project will further the Sierra Nevada Conservancy (SNC) mission, program areas and align with the existing state planning priorities identified in Proposition 1, the SNC Strategic Plan, the SNC Watershed Improvement Program, the California Water Action Plan, Human Right to Water Policy and California Natural Resources Agency Safeguarding California Policy. Multiple benefits from this project include protecting the wildlife/plant habitat and historic/cultural resources.

1. Protect water quality and improve water quantity –The project is within a collection area for the drinking water supply for the Town of Paradise. The project will Improve quantity and quality of water throughout the year by increasing ground water recharge.
- 2.Prevent catastrophic wildfire –The project is located within a Cal Fire “Very High Fire Hazard Severity Zone”. The presence of homes in the watershed increases the ignition potential and threat to Magalia Reservoir and Paradise Lake. Reducing the risk of wildfires is essential to providing clean and abundant water to California.
- 3.Restore forest ecosystems from overstocked conditions with forest thinning – The project will implement watershed adaptation to reduce the impacts of climate changes on the ecosystems. Forest thinning will reduce overstocked conifers and improve forest health.
4. Reduce Greenhouse Gas Emissions/ Improve Air Quality and Carbon Storage - The project will reduce potential greenhouse gas emissions and air quality impacts by reducing the threat of high intensity fire and its impacts including soil erosion and carbon release.

Scope of Work – The project will implement forest health thinning as identified in the Magalia Forest Health Management Plan funded by SNC 835 and treat approximately 400 acres of fuels within the three watersheds. Fuel reduction and forest restoration treatments will include: thinning, pile burning, chipping, masticating, and lop and scatter. The project will also develop a web-based Forest Health Restoration Planning Tool (Planning Tool) for the planning areas of Paradise Ridge and Forest Ranch. The Planning Tool will produce sustainable management solutions and monitoring for the 70,000 acres of forest lands in the project area.

Goals: This project will build on prior water quality protection and forest health projects undertaken with the SNC and has the following goals; 1) Protect three watersheds and increase forest health by reducing risk of catastrophic wildfire 2) Conduct a collaborative landscape level forest health improvement project on 400 acres. 3) Protect drinking water supply to the Town of Paradise. 4) Develop the Planning Tool (a Landscape Level Model with the FHDMDSS).

Results:

- 1) Improved Forest Health – Overstocked stands will be thinned and ladder fuels will be reduced.
- 2) Watershed Resilience- The project area will be more resilient to the impacts of wildfire.
- 3) Drinking Water Protection - Water supply will be enhanced with the reduction of overstocked trees.
- 4) Partnerships Enhanced – Improved partnerships with multiple landowners through the Planning Tool.

Deliverables:

- 1) 400 acres of forest health improved
- 2) Monitoring of the project with pre and post treatment photos and GPS.
- 3) A web-based Forest Health Restoration Planning Tool.
- 4) Maintain the project area for 10 years.

Design- The Project plans were developed and planned under the CWPP. The project is consistent with Upper Feather River Watershed Management (IRWM); Plumas National Forest Land and Resource Management Plan, USFS Watershed Condition Framework, and the CALFIRE Butte unit fire plan. The proposed projects address elements identified in the action plans from the Magalia Forest Health Management Plan which was completed in August of 2017 through an SNC Proposition 1 grant.

Readiness: The project's partners are established, CEQA will be complete and initial landowner permissions are in place so that work can begin as soon as grant funding is available.

Project Workplan and Schedule:

March 2018-August 2020

Major Tasks:

- Contracting with California Conservation Crews (CCC), CALFIRE Inmate Crews, Butte County Sheriff Work Crews and private contractors for forest health thinning and fuels reduction- Mile Stone – agreements signed by September 2018 – Responsible - BCFSC.
- Contract with Sacramento River Watershed Program for development of a web-based Forest Health Restoration Planning Tool (Planning Tool). Mile Stone (1) – agreements signed by September 2018, Mile Stone (2) Planning Tool Developed by March 2019 - Responsible BCFSC and SRWP
- Monitoring with pre-and post-treatment photos – Milestone (1) – pre-photos taken September 2018, Milestone (2) post photos taken September 2019 – Responsible -BCFSC.
- Implementation of Forest health thinning work begins and continues – Milestone (1) September 2018 work begins and continues to August 2020 – Deliverable 400 acres of forest thinning and fuels reduction completed – Responsible- BCFSC and Crews.
- Implementation with Project Site Review – Oversee Crews, GPS acreage and confirm compliance to treatment standards prior to payment fuels reduction crews – Mile Stone - September 2018 work begins and is overseen to August 2020 with monthly review of compliance standards and payments. Responsible -BCFSC.
- Provide firewise education with tour, newsletter and web site posting – Milestone September 2019 completed public tour/newsletter/website postings- Responsible – BCFSC, SRWP and local FSC's.
- Administration - Track performance measures, prepare and submit quarterly grant reports – Mile Stone – September 2018 – August 2020 track performance measures with Planning Tool. Deliverables - quarterly reports September 2018-August 2020. Responsible – BCFSC and SRWP.

August 2020-2040

Maintenance of project by PID, PUSD and POA. Monitoring of Project by BCFSC and CWPP Working Group.

Community Support:

The project has broad community support and has been developed in consultation with Sacramento River Watershed Program (SRWP), CALFIRE, USFS, BLM, local Fire Safe Councils and the three project landowners. The need for the project has been identified in the CWPP and will fulfill the Landscape Level Planning Framework. The project has been designed at a landscape level to provide wider watershed protection and ties directly to prior shaded fuel break projects. Without this project, forest health is anticipated to decline with the rise of pine bark beetle, effects of drought, and increasing risks of wildfire. There is no known project opposition.

Partners- A variety of partners will participate in the project:

- A) Forest Health Thinning Crews will include; California Conservation Corps (CCC), CALFIRE Inmates, Butte County Sheriff Work Crews and private contractors.
- B) Planning Tool Partners will include members from the CWPP working group: CALFIRE, Bureau of Land Management (BLM), Plumas National Forest, Butte County Office of Emergency Management, Butte County Public Works Department, Butte County Resource Conservation District, Forest Ranch Fire Safe Council (FRFSC), Paradise Ridge Fire Safe Council (PRFSC), Private Timber Companies and SRWP.
- C) Participating Landowners will include: Paradise Irrigation District (PID), Paradise Unified School District (PUSD) and Paradise Pines Property Owners Association (PPOA). The three landowners PPOA, PID and PUSD participated in SNC grant 835 and are excited to pursue opportunities to improve forest health in the watershed.

Proposed Budget**Direct Project Costs****Project Management Costs:**

\$19,200.00

Project Implementation:

\$375,770.00

Project Equipment:

\$0.00

Project Materials and Supplies:

\$2,880.00

Publications, Printing, and Public Relations:

\$25,420.00

Monitoring:

\$39,600.00

Other Direct Costs:

\$0.00

Direct Costs Subtotal:

\$462,870.00

Administrative Costs**Organization Operating/Overhead Costs:**

\$37,029.60

Administrative Subtotal:

\$37,029.60

Administrative Costs as a Percentage of Project Total Cost:

\$0.00

SNC Grant Request:

\$499,899.60

Estimated Total Project Cost:

\$738,380.04

Budget Narrative:

The project budget costs below are known costs and total \$499,899.6

Direct Costs

Project Management – includes tracking performance measures and project reporting

Total = 2hrs/day x 10days/mo x 24 months x \$40/hr = \$19,200

Project Implementation – includes forest thinning and fuels reduction crews and onsite project oversight.

Total = \$375,770

1. Oversight – 4hrs/day x 17days/mo x 24 months x \$35/hr = \$57,120

2. Fuels Treatment:

a. Prescribed Fire – 10 acres x \$2,000/acre = \$20,000

b. Mastication – 60 acres x \$1,400/acre = \$84,000

c. Forest Thinning/Lop Scatter/Pile Burn – CCC = 15 acres x \$3,600/acre = \$54,000

d. Forest Thinning/Lop Scatter/Pile Burn – CALFIRE Inmates/ Butte County Sheriff Crew = 315 acres x \$510/acre = \$160,650

Equipment = \$0

Supplies Total = \$2,880– includes office supplies, uniforms, community meeting supplies, forest health educational handouts - \$120/month x 24months = \$2,880

Publications, printing and public relations Total = \$25,420 and includes:

1. 2 newsletters x 3,900 each, project signage 2 x \$200, community outreach event promotions 1 x \$300 = \$8,500

2. Planning Tool collaboration with CWPP working group 1hr/day x 9hrs/month x 24 months x \$45/hr = \$9,720

3. Planning Tool development 2hrs x 24 months x \$150/hr = \$7,200

Monitoring Total = \$39,600 and includes:

1. Planning Tool use of project partners and performance measures tracking 1hr/day x 9hrs/month x 24 months x \$45/hr = \$9,720

2. Planning Tool integrated to SRWP Portal and integrate CWPP working group data 8.3 hrs x 24 months x \$150/hr = \$29,880

Other = \$0

Administrative Costs

BCFSC will use its Cost Allocation Plan for Administrative Costs calculated at 8% as follows.

The grants direct cost total is \$462,870 x .08 = \$37,026.60

When adding the direct costs with indirect costs the total becomes \$49

The ratio of total cost per acre for the SNC project amount is \$499,332.60/400 acres = \$1,248.33/acre

Resources Leveraged for the Sierra Nevada - \$238,480.44 in Match

Matching funds will be leveraged in two major ways:

1. Fuels Reduction - CALFIRE, CCC and Butte County Sheriff Work Crews will provide match estimated to be an average of \$212,988.60 based on a \$1,290.84 match per day rate x 165 days of work
2. Forest health education and outreach - volunteer time from BCFSC, PRFSC, FRFSC match - Valued at 11hrs/week x 4 weeks x 24 months x \$24.14/hr = \$25,491.84.

CEQA Status:

A CEQA Mitigated Negative Declaration for the project was funded through SNC 835, a Category II grant project. Butte County Development Services is the lead agency for the CEQA document and public notice began on August 5th, the public hearing will be on September 6th , 2017. The document will be sent to the State Clearing House for review on September 7th. The link to the document is <http://www.buttecounty.net/dds/Planning/CEQA.aspx>. We anticipate the document on or before the SNC Governing Board would authorize a grant.

NEPA Status:

The project will not take place on federal lands. However NEPA has been completed on USFS parcels directly adjacent to the project and is in process on BLM lands that tie to the project.

Status of Tribal Involvement:

The project is in territory influenced by the Mechoopda Indian Tribe of Chico Rancheria. The project has been discussed with a representative of the Mechoopda, Vance Kelly, who can be reached at 530-899-8922 ext. 205 or at vkelly@mechoopda-nsn.gov. Contact has also been made with the Mooretown Rancheria in Oroville and Concow Maidu to establish who their contact is and if there is interest and collaboration possibilities with the project. The Mooretown contact is Guy Taylor EPA Director at 530-533-2810 ext. 5. The Concow Maidu contact is Wally Clark konkowvalley@att.net.

Long-Term Management Plan:

A Forest Management Plan (FMP) was developed as part of SNC grant 835 and includes recommendations for the long term management of the project area. The project will allow us to implement the best management practices identified by ownership and forest composition. The recommendations include implementing; thinning of overstocked trees, watershed enhancements and habitat improvements. The project will allow us to address existing tree mortality and prevent future loss of trees through practices identified in the FMP. The FMP can be accessed at: <http://www.buttefiresafe.net/magalia-forest-health-plan> and the appendix at <http://www.buttefiresafe.net/appendix-to-the-mfhp>.

The web-based Forest Health Restoration Planning Tool (Planning Tool) will be utilized to manage the project area with its collaborative and comprehensive data tools resources. The three landowners have agreed to maintain the FMP through grant SNC 835 for at least 10 years and have indicated they will agree for this project as well. The BCFSC will utilize Butte County Sheriff Work Crews for fuels maintenance through an established MOU.

The SNC will be able to monitor the project site for 25 years in a variety of ways: by conducting site visits where treatment has occurred by requesting reports and maps of areas where work has occurred, and by engaging in the CWPP process annually to identify progress made with the plan.

Regulatory Requirements/Permits Needed:**Regulatory Requirements**

The BCFSC has had burn permits in the past to work in the Little Butte Creek watershed and will need to be updated with the new project information prior to any pile burning. Fuels prescriptions will abide by other regulatory requirements such as:

1. Snags that provide wildlife habitat will be retained.
2. Areas of wetlands or riparian areas will be avoided.
3. Elderberry plants and rare or endangered species will be avoided.
4. Trees greater than 8 inches in diameter at breast height will be retained.
5. Shrub or small tree vegetation may be retained if they do not occur adjacent to trees and do not meet the definition of a ladder fuel.

Restrictions/Agreements Needed/In Place:

Partnerships – BCFSC will coordinate forest health thinning on 400 acres and will work with SRWP on the project monitoring and public outreach. SRWP will oversee the development of the Planning Tool that will provide access to data, studies, reports and projects relative to the Paradise Ridge and Forest Ranch Planning areas.

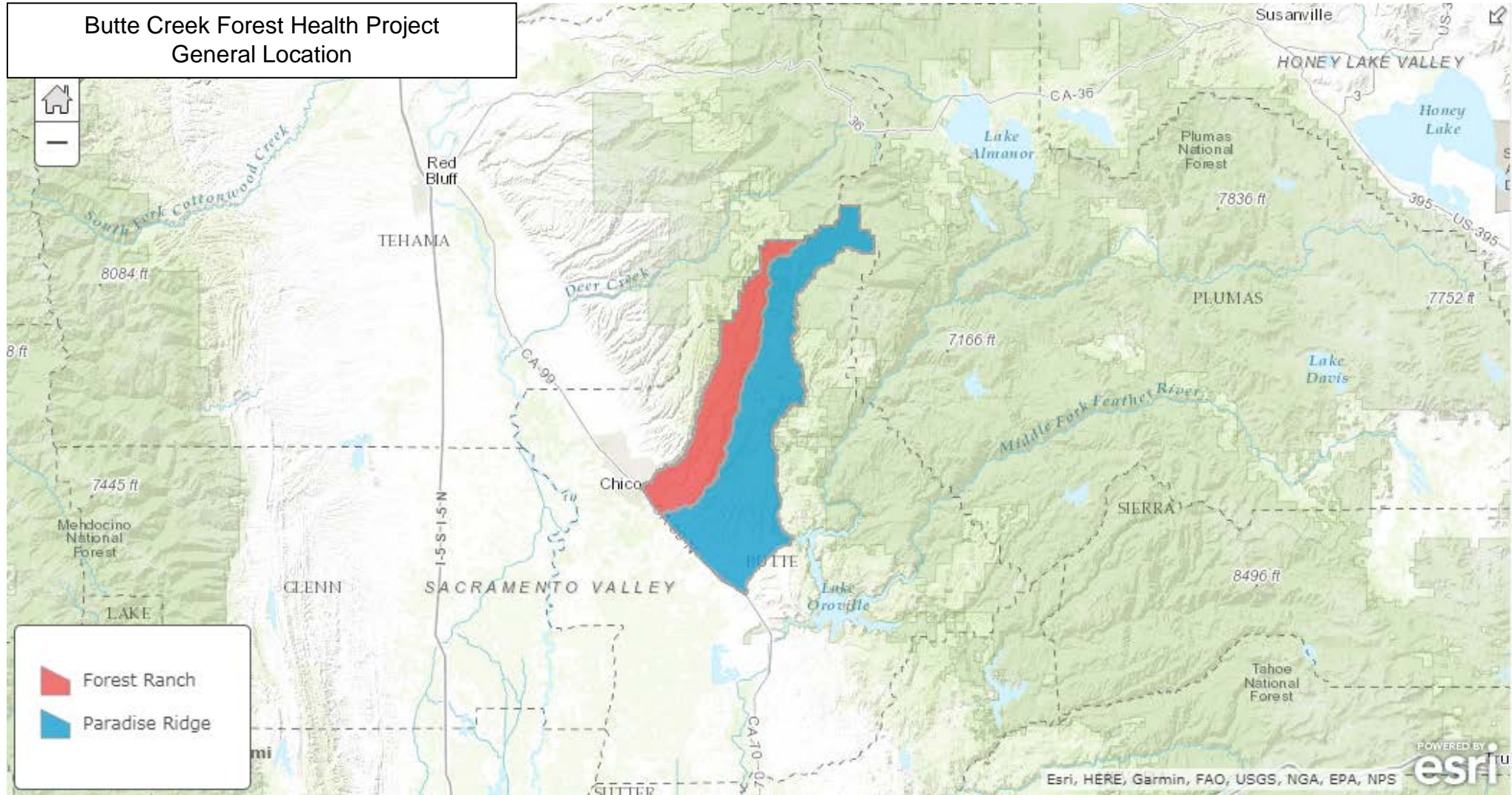
Agreements- Memorandums of Understandings (MOU) establishing authorization to conduct the Forest Management Plan and CEQA Mitigated Negative Declaration were signed by the three project landowners; Paradise Irrigation District (PID), Paradise Unified School District (PUSD) and Paradise Pines Property Owners Association (PPOA) in 2016 and are active for 25 years. In addition, there is an active MOU with Paradise Irrigation District for forest health thinning on their lands through the SNC 846 Little Butte Creek Forest Health Project. The three landowners have been actively involved in reviewing the Forest Management Plan and CEQA document. An update to three landowners existing MOU's to include on the ground fuels reduction work will be needed. A MOU with SRWP establishing roles and deliverables for the a web-based Forest Health Restoration Planning Tool (Planning Tool) will be reviewed by the BCFSC during the September 7th 2017 BCFSC Board meeting. There is an existing MOU with Butte County Sheriff for forest thinning and hazardous fuels removal. There is an existing contract with CCC for forest thinning with SNC grant 846 which will need to be updated to include the project.

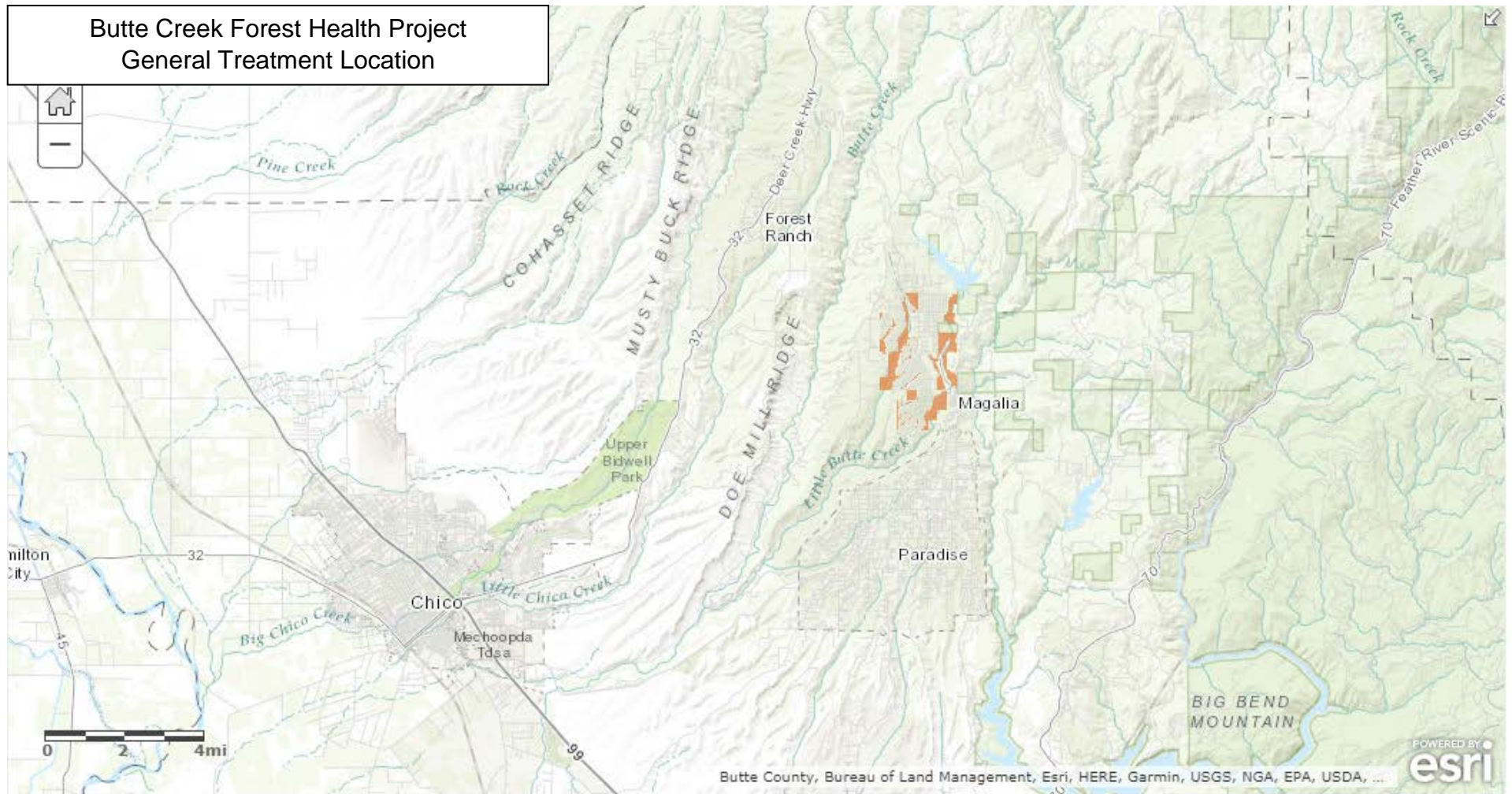
Site Visit

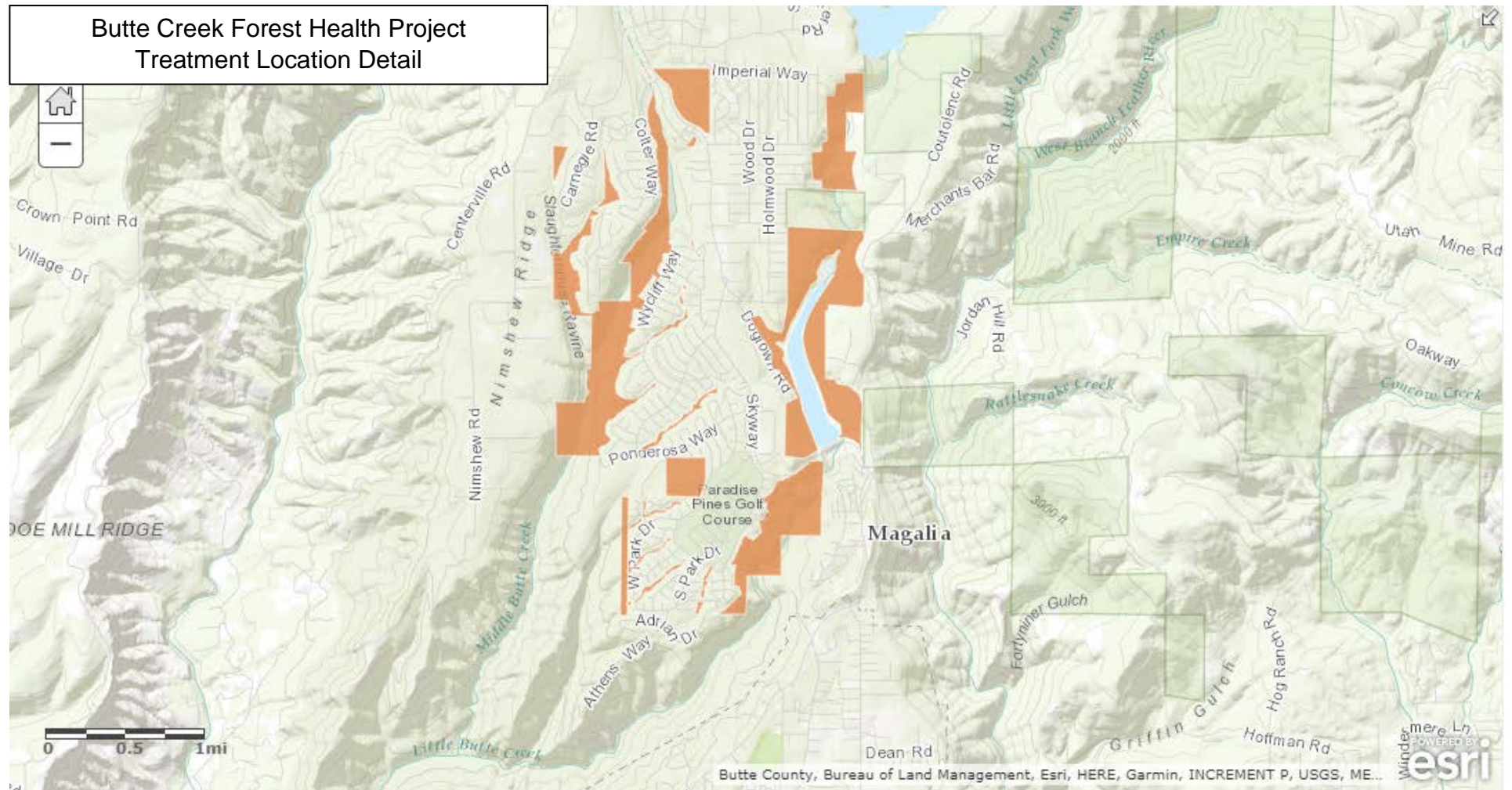
Accessibility of Project Site: All Weather Accessibility

Best Availability: Monday, Tuesday, Wednesday, Thursday

Minimum Notification: 3 Days







Upper Feather River Integrated Regional Water Management Group

555 Main Street | Quincy, CA | 95971 | (530) 283-6214 | <http://featherriver.org> | ufr.contact@gmail.com

October 13, 2017

Sierra Nevada Conservancy
1521 Blocker Dr., Ste. 205
Auburn, CA 95603

RE: Letter of Support – Little Butte Creek Forest Health Project Phase II

Dear Sierra Nevada Conservancy,

We are writing you in support of the application for grant funds for the project titled “Butte Creek Forest Health Project” through the Butte County Fire Safe Council (BCFSC).

Inter-regional coordination is an important component of the Integrated Regional Water Management Program and groups within the Upper Feather River watershed have been active partners with the BCFSC and in planning for forest health improvement projects on a regional scale. The Upper Feather River Regional Water Management Group recognizes the need to improve watershed health throughout our region of the Sierra Nevada through the “All Lands” forest thinning project. The project will assist in protecting these resources and benefitting forest health and watershed values.

The project is located directly adjacent to the Upper Feather River IRWM Region and is consistent with the following objectives of the Upper Feather River IRWM Plan 2016:

- Reduce potential for catastrophic wildland fires in the Region.
- Balance the needs of forest health, habitat preservation, fuels reduction, forest fire prevention, and economic activity in the Upper Feather River Region.
- Effectively address climate change adaptation and/or mitigation in water resources management.
- Improve coordination of land use and water resources planning.
- Enhance public awareness and understanding of water management issues and needs.

Should you have any questions, please contact us at RandyWilson@countyofplumas.com or (530) 283-6214.

October 13, 2017

Sincerely,

Sharon Thrall, Chair

Upper Feather River Integrated Regional Water Management Group

cc: Assemblyman Brian Dahle
Senator Ted Gaines
Lori Simpson, Chair, Plumas County Board of Supervisors
Peter Huebner, Chair, Sierra County Board of Supervisors
Bill Connelly, Chair, Butte County Board of Supervisors
Calli-Jane DeAnda, Executive Director, Butte County Fire Safe Council

October 13, 2017

Sincerely,

Sharon Thrall, Chair
Upper Feather River Integrated Regional Water Management Group

cc: Assemblyman Brian Dahle
Senator Ted Gaines
Lori Simpson, Chair, Plumas County Board of Supervisors
Peter Huebner, Chair, Sierra County Board of Supervisors
Bill Connelly, Chair, Butte County Board of Supervisors
Holly Jorgenson, Executive Director, Sacramento River Watershed Program

Submitted Pre-Application**SNC Grant Number:**

1026

Phone:

5307812220

Name:

Holly Jorgensen

Applicant Organization:

Sacramento River Watershed Program

Title:

Executive Director

Project Name:

Forbestown Ridge Forest Health Project

Email:

holly@sacriver.org

Project Category:

Category Two

Project Summary:

The Forbestown Ridge Forest Health Project (Project) will lay the foundation for complementary and coordinated forest health improvements in the Feather River Watershed. The Sacramento River Watershed Program (SRWP) will work in close partnership with the Butte County Fire Safe Council (BCFSC), the California Wildfire Protection Plan (CWPP) Workgroup, Forbestown Ridge Fire Safe Council, and public and private landowners to complete CEQA on 640 acres and develop a Forest Health Restoration Planning Tool (Planning Tool). The proposed Project will accelerate hazard reduction and restoration projects in the Forbestown Ridge planning area and represents an important piece of a landscape level planning and restoration effort in Butte County and the Sacramento River Watershed. SRWP is requesting \$74,790 from the Sierra Nevada Conservancy to complete this Project and will provide approximately \$10,000 in matching funds to successfully complete the Project.

Project Description:

Climate change is exacerbating the intensity of the floods, fires, and pest outbreaks that have become common across Butte County watersheds, threatening water quality and supply. In an effort to address water-related issues and improve watershed health in the region, the Sacramento River Watershed SRWP is working in close partnership with the BCFSC to develop a CWPP Landscape Level Planning Framework (CWPP Landscape Framework) in Butte County. Forest restoration and management should be implemented comprehensively at the landscape scale to be effective and yield multiple watershed benefits. Implementing restoration efforts across the landscape increases the range of benefits achieved including improved infiltration and groundwater storage, restored flow regimes, reduced sedimentation, and enhanced water quality.

The Project represents an important piece of our broader work with the BCFSC, CalFire, and the CWPP Workgroup to develop the CWPP Landscape Framework. This Project will improve forest health and advance State planning priorities by creating shovel ready projects with environmental compliance and by developing a web-based Planning Tool to increase the pace and scale of forest restoration in the region. This Project will engender more effective monitoring and through assessment and planning tools, better inform forest health planning and project implementation throughout the Forbestown Ridge planning area.

Forbestown Ridge is situated in the Feather River Watershed in the Sierra Nevada foothills. It includes the communities of Forbestown and Merry Mountain Village, a local homeowner association a.k.a Merry Mountain Owner's Association (MMOA) located in the community of Clipper Mills. The communities have active fire safe councils (FSCs) and are recognized as FIREWISE Communities. They are committed to wildfire planning and prevention, and share a common vision with SRWP and the BCFSC to create communities within a landscape that are resistant to the devastating impacts of wildland fires. The majority of the Planning Area is rural and often lacks the information, technical expertise, and other community resources required to be effective in addressing local concerns and issues. The Planning Tool will assist disadvantaged communities within the Forbestown Ridge Planning Area by providing much needed resources to address forest health issues.

The Feather River Watershed is one of the highest precipitation areas (rainfall and snow) in the state and is recognized. Major reservoirs in the area include Little Grass Valley, Lost Creek, Sly Creek and Ponderosa. The South Feather Water and Power and the North Yuba Water District has critical infrastructure in Forbestown that includes several hydroelectric plants, miles of canals and conduits, dams and tunnels and a water treatment plant that serves residents in both Butte and Yuba Counties. The Feather River watershed demonstrates the fragmentation in land management

approaches. These areas are also suffering from widespread environmental degradation from lack of landscape-scale stewardship. A hundred-year legacy of mining, grazing, timber harvest, roads, and railroads along with fire suppression has affected watershed conditions in both the uplands and the waterways.

Appropriate data management and accessibility is crucial to realizing the goals and objectives set forth in the WIP and is already supported by a number of state and federal planning processes. The WIP's key focus areas all rely heavily on the collection and analysis of data and information. The Planning Tool will enhance collaborative engagement, allow for landscape-scale planning, project management and tracking and serve as a repository for public education and outreach. The California Water Action Plan states that "better technology can result in improved coordination and more accurate data for decision making" and includes examples such as improving data availability, communication procedures, and analytical methods used to monitor and communicate risks. The Department of Water Resource's 2013 California Water Plan Update also addresses the need to improve information management and analytical tools and states that "Investments in information exchange and integrated analytical tools will help facilitate consensus-based decisions." This Project will help resource managers develop goals, assess current and future conditions, and produce sustainable management plans for forest properties.

The goals of this project include:

- Improve forest health by restoring habitat and minimizing catastrophic fire.
- Increase public awareness of the role forests play in protecting critical water supplies for humans and the environment.
- Build the connection between the landscape and management in upstream areas and downstream impacts in the valley and the Delta.
- Provide support for the development of the CWPP Landscape Framework
- Provide the latest knowledge and tools to improve stakeholders' ability to identify and address forest health issues.

Project Workplan and Schedule:

This Project will complete CEQA on 640 acres in preparation for forest thinning for wildfire fuels reduction and develop a Planning Tool to provide accurate, timely, and graphic information to formulate recommendations and strategies to increase the pace and scale of forest restoration. The BCFSC will oversee contracting with a Registered Professional Forester (RPF) and Archeologist to develop a CEQA Mitigated Negative Declaration on USFS lands where NEPA is completed, Soper-Wheeler timber holdings adjacent to areas where CEQA is completed, and private lands.

SRWP will oversee the development of the Planning Tool that will provide access to data, studies, reports and projects relative to the Forbestown Ridge planning area. The Planning Tool will include a document and data catalog, analysis, graphing and data visualization tools, GIS library and mapping tool, reporting and compliance templates, collaboration tools, and education and outreach resources. SRWP will coordinate and communicate with knowledgeable project partners and other stakeholders to inform decisions regarding the content, design, and functionality of the Planning Tool.

Major Tasks:

- Perform analysis required to support the completion of CEQA documentation on 640 acres for forest treatment project implementation.
- Gather and digitize key Planning Area data and information including GIS layers and maps, assessments, plans, projects, and programs.
- Recruit key individuals to provide guidance and review on the Planning Tool's content, design, and development.
- Work w/BCFSC, CWPP workgroup and Forbestown Ridge FSC to design and develop Planning Tool framework.
- Present information and updates to the CWPP workgroup and collect feedback for iterative development.
- Complete CEQA documents and submit to lead agency.

Deliverables:

- CEQA Mitigated Negative Declaration completed on 640 acres.
- Planning Tool developed within the Sacramento River Watershed Portal (SRW Portal) to support the prioritization, implementation and monitoring of forest health projects in the Forbestown Ridge planning area.
- Education and outreach materials created with targeted messaging to stakeholders, decision makers, and the public.

Community Support:

The Project is supported by the community and represents a an important piece of our broader work with the BCFSC, the CWPP Workgroup and other partners to cooperatively identify restoration needs and opportunities, implement complementary program and projects, and demonstrate that restoring our forests is critical for maintaining and improving water quality. The CWPP establishes a framework for

reducing the risks associated with wildfire but does not provide the mechanisms necessary for landscape-scale forest restoration. The CWPP Landscape Framework builds on the CWPP to create a more robust planning process to address the challenges facing our forests.

SRWP is partnering with the BCFSC to develop CWPP Landscape Framework by focusing on three of the planning areas: Forest Ranch, Forbestown Ridge, and Paradise Ridge. The implementation of this planning Project and the BCFSC's Butte Creek Forest Health Project will connect areas where SNC funded projects have been implemented and will further prepare those areas for additional forest health improvements. By demonstrating and promoting successful collaboration at the county level, these projects will validate the model for work on the larger landscape and serve as a framework for other counties within the Sacramento River Watershed with the end goal being a network of regional collaboratives that inform landscape-scale planning efforts across the Watershed.

The Project has been developed in consultation with the CWPP workgroup, BCFSC, CalFire, USFS, Forbestown Ridge FSC, Paradise Ridge FSC, Forest Ranch FSC, Regional Water Management Groups, and landowners within the Project area including the MMOA, Soper-Wheeler, and tribal representatives. A number of forest health and watershed improvement efforts have been completed in the Forbestown Ridge Planning Area that directly benefit the Project including the USFS DFPZ, Merry Mountain Hazardous Fuels Reduction Project, Forbestown Road Shaded Fuel Break, Forebestown Fuels Reduction Project, and the Chipper Program.

Proposed Budget**Direct Project Costs****Project Management Costs:**

\$12,360.00

Project Implementation:

\$38,000.00

Project Equipment:

\$0.00

Project Materials and Supplies:

\$0.00

Publications, Printing, and Public Relations:

\$8,430.00

Monitoring:

\$15,000.00

Other Direct Costs:

\$0.00

Direct Costs Subtotal:

\$73,790.00

Administrative Costs**Organization Operating/Overhead****Costs:**

\$800.00

Administrative Subtotal:

\$800.00

Administrative Costs as a Percentage of Project Total Cost:

\$0.0136

SNC Grant Request:

\$74,590.00

Estimated Total Project Cost:

\$85,000.00

Budget Narrative:**Project Management:**

SRWP staff will perform administrative and fiscal oversight including managing the grant and contracts, tracking budgets, coordinating and communicating with the Project team and subcontractors, and reporting and invoicing. Staff time is calculated at \$45/hr and 3 hours/week in year one and 1 hour/week in year two.

BCFSC staff will manage the CEQA process. Staff time is calculated at 85 hours at \$40/hour.

Project Implementation:

An RFP will perform CEQA at a cost of \$23,000 in cooperation with an archeologist at a cost of \$10,000. The lead agency will finalize and submit CEQA at a cost of \$5,000.

Publications, Printing, Public Relations

SRWP staff will facilitate stakeholder involvement including education and outreach activities. Staff time is calculated at \$45/hr and 1.5 hours/week in year one and .5 hours/week in year two.

34 North staff will develop education and outreach materials within the DMDDS. Staff time is calculated at 25 hours \$150/hr.

Monitoring:

34 North staff will develop the Planning Tool within the SRW Portal. Staff time is calculated at 100 hours \$150/hr.

CEQA Status:

CEQA has been completed by local timber companies including Soper wheeler in a number of locations adjacent to the Project.

NEPA Status:

NEPA was recently completed on a number of parcels adjacent to and within the Project area.

Status of Tribal Involvement:

The Project is located in territory influenced by the Maidu Indian Tribe. The Project has been discussed with a representative of the Maidu at the Berry Creek Rancheria, Frances Steel, who can be reached at (530) 534-3859. Contact has also been made with the Mooretown Rancheria in Oroville, Guy Taylor, who can be reached at (530) 533-2810 at extension 5.

Long-Term Management Plan:

Our long-term management goal is to develop and formalize the CWPP Landscape Framework. This Project will establish the foundation (collaborative, planning tool, and

projects) to link regional, state and federal priorities and provide tools to synchronize disparate goals and stakeholders.

The long-term management plan for the Project is to implement thinning of overstocked trees, watershed enhancements, habitat improvements and other recommendations identified by the CWPP Landscape Framework and supported by the Planning Tool.

The SRWP will maintain the Planning Tool in cooperation with the CWPP workgroup, BCFSC, and the Forbestown Ridge FSC. The Planning Tool will be developed within the SRW Portal. SB 1070 established the California Water Quality Monitoring Council and charged it with improving the coordination, integration, accessibility, and cost-effectiveness of watershed health monitoring and assessment. The Monitoring Council sanctions the creation and utilization of regional portals to aggregate, display and share data and information. The SRW Portal builds on the portal platform developed for managing data and information throughout California and is an essential part of the state's data infrastructure, safeguarding its long-term relevance.

The SNC will be able to monitor the Project site for 25 years in a variety of ways: conducting site visits where treatment has occurred, by requesting reports and maps of areas where work has occurred and by participating in the CWPP Landscape Framework to identify and assess progress.

Regulatory Requirements/Permits Needed:

The CEQA Mitigated Negative Declaration will be developed by a RPF and archeologist who will follow regulatory requirements in conducting surveys and developing the document.

There are no known permits needed for the Project since it is currently in the planning phase. There are no known property restrictions or encumbrances that could adversely impact project completion.

Restrictions/Agreements Needed/In Place:

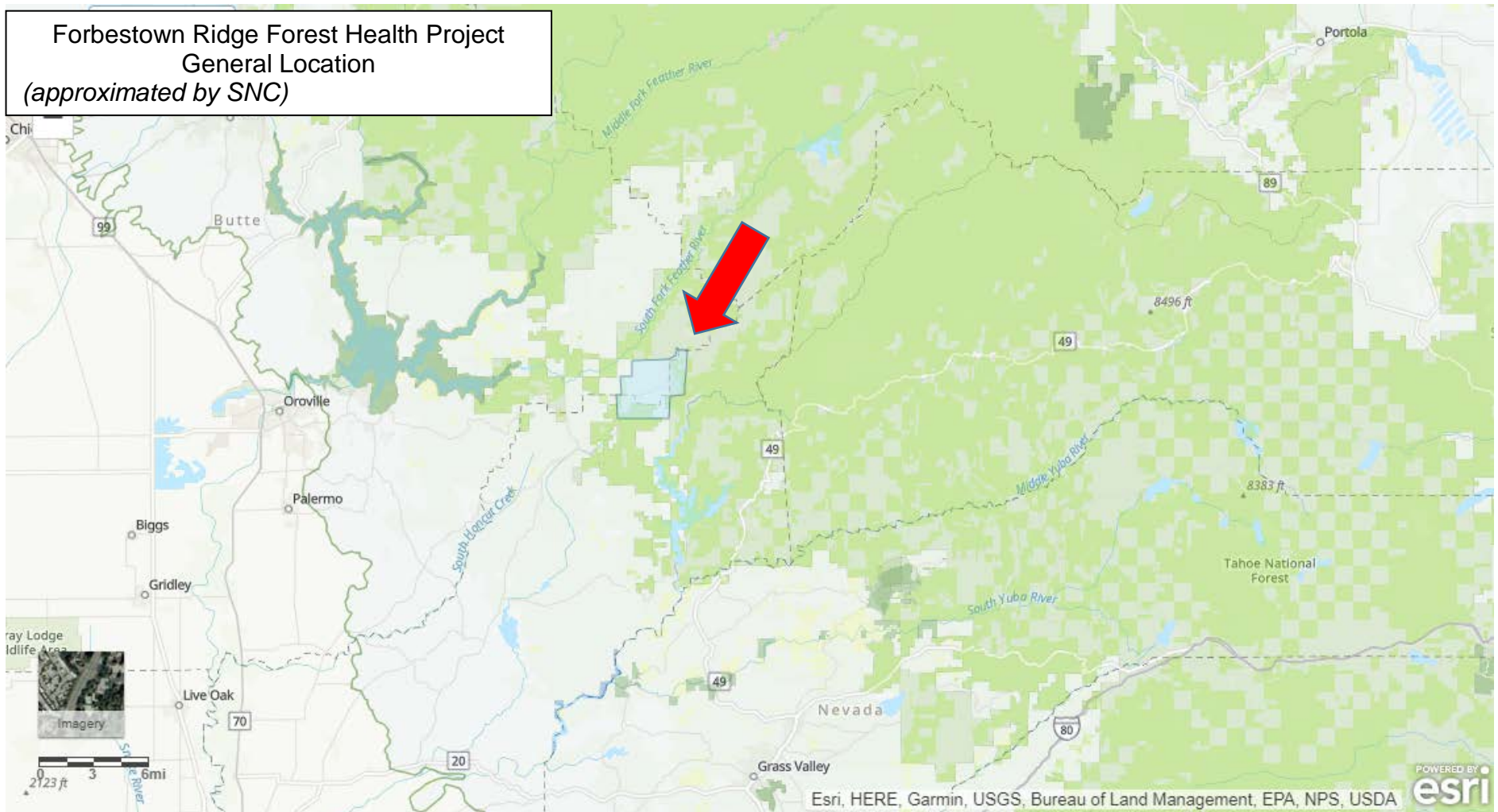
The Project has been developed in consultation with landowners in the Project area that are supportive of the effort and have agreed to establish any agreements and/or partnerships necessary for Project implementation.

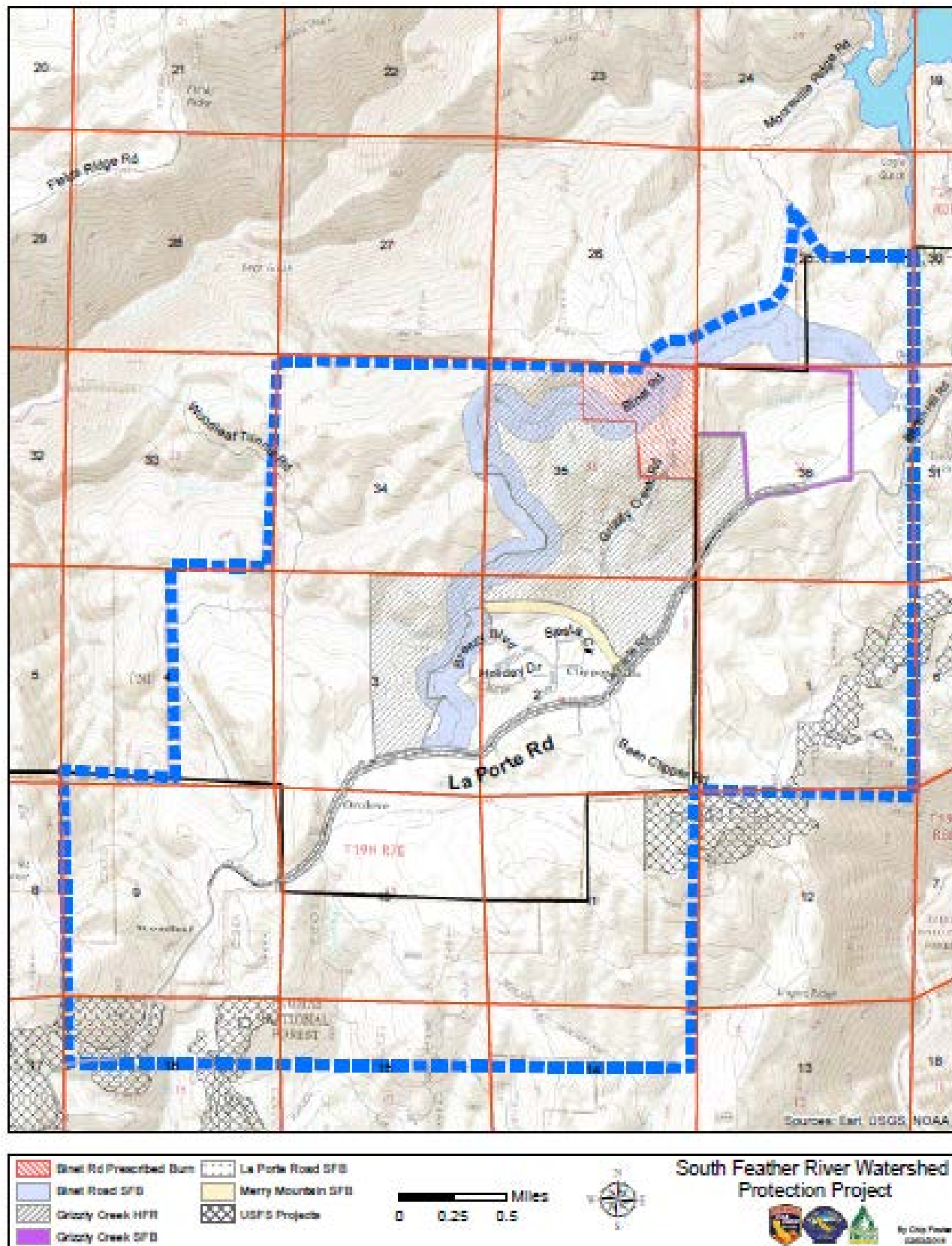
Site Visit

Accessibility of Project Site: All Weather Accessibility

Best Availability:

Minimum Notification:





Upper Feather River Integrated Regional Water Management Group

555 Main Street | Quincy, CA | 95971 | (530) 283-6214 | <http://featherriver.org> | ufr.contact@gmail.com

November 1, 2017

Sierra Nevada Conservancy
1521 Blocker Dr., Ste. 205
Auburn, CA 95603

RE: Letter of Support for Forbestown Ridge Forest Health Project

Dear Sierra Nevada Conservancy,

We are pleased to submit this letter of support for the Sacramento River Watershed Program's (SRWP) application for the SNC Proposition 1 Grant Program funding. The SRWP has played an active role in projects, programs, and policies relating to watershed health in the region and has served as a partner and advocate for interregional planning throughout the Sacramento River Watershed.

The Forbestown Ridge Forest Health Project will accelerate hazard reduction and restoration projects in the Feather River Watershed and represents an important piece of landscape level planning and restoration efforts in Butte County and the Sacramento River Watershed. This Project advances numerous goals and objectives identified in the Upper Feather River Integrated Regional Water Management Plan (UFR IRWM Plan) including:

- Reduce potential for catastrophic wildland fires in the Region.
- Balance the needs of forest health, habitat preservation, fuels reduction, forest fire prevention, and economic activity in the Upper Feather River Region.
- Build communication and collaboration among water resources stakeholders in the Region
- Improve coordination of land use and water resources planning.
- Enhance public awareness and understanding of water management issues and needs.

We value coordinated and complimentary watershed planning and implementation efforts and the co-benefits that come with healthy watershed function. We see immense value in this project's ability to reduce the risks of catastrophic wildfire, increase forest health and develop essential landscape level planning tools necessary for cooperatively addressing the challenges facing the region.

Should you have any questions, please contact us at RandyWilson@countyofplumas.com or (530) 283-6214.

October 13, 2017

Sincerely,

Sharon Thrall, Chair
Upper Feather River Integrated Regional Water Management Group

cc: Assemblyman Brian Dahle
Senator Ted Gaines
Lori Simpson, Chair, Plumas County Board of Supervisors
Peter Huebner, Chair, Sierra County Board of Supervisors
Bill Connelly, Chair, Butte County Board of Supervisors
Holly Jorgenson, Executive Director, Sacramento River Watershed Program

**Upper Feather River
Integrated Regional Water Management
Regional Water Management Group Quarterly Meeting
October 13, 2017**

To: Upper Feather River Regional Water Management Group
From: Uma Hinman, Hinman & Associates Consulting
Subject: Proposition 1 Disadvantaged Community Involvement Grant Update

INTRODUCTION

The Upper Feather River Region is located within the Mountain Counties Funding Area (MCFA), which has an allocation of \$1.3 million (minimum) for this round. There are 10 IRWM regions wholly or partially within the Mountain Counties Funding Area [Upper Feather River, Northern Sacramento Valley (partial), Yuba County (partial), Cosumnes-American-Bear-Yuba, American River Basin (partial), Mokelumne-Amador-Calaveras, Tuolumne-Stanislaus, Yosemite-Mariposa, Madera (partial), Southern Sierra (partial)]. All but the American River Basin IRWM are participating in the MCFA process.

Member IRWMs of the MCFA established a DAC Coordinating Committee to provide input and guidance throughout the DACI grant process. The DAC Coordinating Committee is made up of a representative and alternate from each of the nine participating IRWM regions in the MCFA. The UFR RWMG's representatives, Randy Wilson and Leah Wills, have attended and participated throughout the process, providing valuable input and insights on the work plan.

UPDATE ON DISADVANTAGED COMMUNITY INVOLVEMENT GRANT APPLICATION

The Mountain Counties Funding Area DACI grant application has been submitted by Sierra Institute and approved by DWR. A grant agreement is in process and expected to be completed in October. Statewide, two grant agreements have been finalized to date; three additional grant proposals have been approved and are in the grant agreement process. DWR staffing changes delayed the DACI Program over the summer, pushing the process out approximately six months. It is anticipated that implementation of the work plan will begin sometime in November.

DACI Work Plan Tasks

The Final Application for the MCFA is attached. The following table is a summary of activities and tasks identified in the Application:

Activities	Tasks	Budget
Proposal preparation		\$56,255
1. Adaptive Refinement of DAC Identification	1.1 Identification of communities	45,575
2. Outreach and Engagement	2.1 Outreach to DACs 2.2 Engagement of DACs 2.3 Outreach & engagement of Tribes in IRWM governance	168,000
3. Community Capacity & Needs Assessment	3.1 Community and Tribal identification, capacity & needs assessment 3.2 Water/wastewater needs assessment (including Tribal systems) 3.3 Reassess activities, budget & schedule annual	340,318
4. Capacity building & technical assistance	4.1 Capacity building & technical assistance training workshops 4.2 Technical support and tools 4.3 Technical assistance for project readiness 4.4 Demonstration projects 4.5 Sharing lessons learned	556,269
5. Project management and grant administration	5.1 Project management 5.1 Grant administration	70,500
Grant Administration		63,083
Total		\$1,300,000

STAFF RECOMMENDATION

This item is informational.

Attachments: Final DACI Grant Application



Sierra Institute
for Community and Environment

Mountain Counties Funding Area

Proposition 1

**INTEGRATED REGIONAL WATER MANAGEMENT (IRWM)
DISADVANTAGED COMMUNITY INVOLVEMENT (DACI)
PROGRAM**

Draft Proposal

Sierra Institute for Community and Environment

7/10/2017

A. Applicant

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The Sierra Institute for Community and Environment was selected by representatives from each regional water management group (RWMG) within the Mountain Counties Funding Area (MCFA) to be the applicant for the Disadvantaged Community Involvement (DACI) program. The Mountain Counties Water Resource Association convened the preliminary meetings of the MCFA IRWMs, laying the foundation for regional collaboration. The Sierra Water Workgroup (SWWG) coordinated the DACI applicant selection process by convening and facilitating an Integrated Regional Water Management (IRWM)/ Disadvantaged Community (DAC) Collaborative Workshop on August 24, 2016. Representatives from eight of the ten IRWM regions within the MCFA attended the workshop. A representative from the Department of Water Resource (DWR) presented requirements and expectations for the program, including the application process and a recommendation for a single applicant for the MCFA proposal submission. The workshop participants unanimously agreed to submit a DACI grant application on behalf of the MCFA. Workshop participants developed concepts for selecting an applicant to inform the development of a Request for Qualifications (RFQ).

Following the IRWM/DAC Collaborative Workshop, the RWMGs designated a DAC representative and alternate on behalf of each IRWM. The representatives were given decision-making authority for the DACI Program grant application. The selected representatives formed the DAC Coordinating Committee and convened their first meeting on November 30, 2016. During this meeting, the group drafted an organizational structure and developed an RFQ and criteria for applicant selection. The RFQ was announced mid-December 2016.

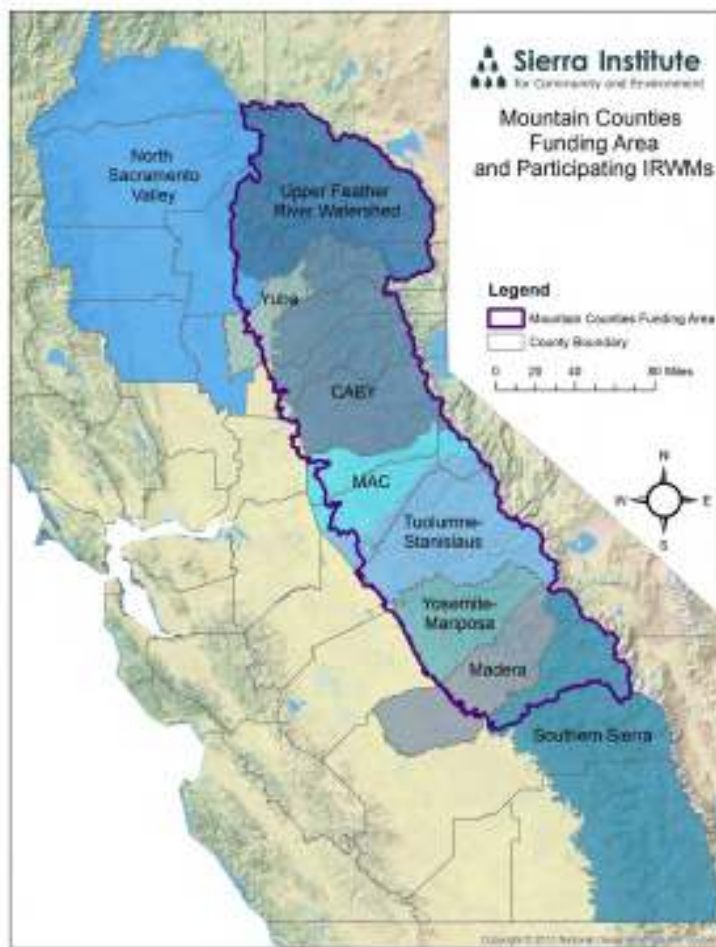
The Sierra Institute for Community and Environment submitted a Statement of Qualifications (SOQ) with consultants Sherri Norris of the California Indian Environmental Alliance (CIEA) and Hinman & Associates Consulting Inc. The Coordinating Committee reviewed the SOQ and selected the Sierra Institute as the applicant on behalf of the nine participating IRWMs in the MCFA. The Sierra Institute attended a meeting with the DAC Coordinating Committee on March 22, 2017 to discuss IRWM DAC efforts and come to an agreement on a process to prepare the DACI Proposal for DWR.

Letters of support from nine of the ten participating RWMG in the MCFA are attached. The Regional Water Authority (RWA), the RWMG for the American River Basin, has provided an explanation, see Appendix A, for their deferral of participation to the Cosumnes, American, Bear, Yuba (CABY) RWMG.

B. MCFA Disadvantaged Communities Background

The DWRs' DACI Program calls for the MCFA IRWMs to work collaboratively to identify and address DAC water-related needs and build DAC involvement in regional water management and planning. The Mountain Counties Funding Area has been allotted \$13 million of

Proposition 1 Funding with the provision that at least 10% (\$1.3 million) will ensure participation of disadvantaged, economically distressed, and underrepresented communities, collectively referred to as DAC. While much diversity exists in regard to regional RWMGs' progress in identification, outreach, and needs assessment of DAC, the collaboration required for this grant effort will allow regions to share lessons learned from their efforts and adaptively move toward greater DAC participation. Regardless of the progress that RWMG representatives have achieved in their own IRWM DAC involvement efforts, each representative has acknowledged limitations in their approaches, as well as a desire to augment their methods. Further, there is recognition and support throughout the MCFA to conduct a more in-depth needs assessment so as to gain a better understanding of the various dimensions of capacity of these communities and to better address water-related needs.



Identification of DAC

Of the participating MCFA IRWMs, slightly more than half of the RWMGs have identified DACs. Those who have identified DACs have used DWR's definition of the 80% median household income (MHI) in conjunction with the DWR mapping tool for their approach, acknowledging limitations of the tool, but also appreciating the consistent approach. One group expanded their method to include economically disadvantaged areas and three groups sought to actively refine the concept of "disadvantaged" through additional socioeconomic

analyses. Observed limitations of the MHI method include the exclusion of small, dispersed communities, unincorporated communities, an aversion of several groups towards the pejorative label of “disadvantaged,” and the implications of utilizing a single income indicator, among others.

Overall, approximately 122 DACs were identified by RWMGs in the MCFA; of those regions, the number of DACs within a region ranged from 6-37 DACs. Not all of the IRWMs include the number and list of DACs in their most recent management plans. Several IRWMs recognized nearly their entire region as disadvantaged. To better understand the MCFA as a region and to establish a uniform starting point, the Sierra Institute (SI) team has identified all census designated places (CDP) that qualify as disadvantaged, according to the 80% MHI measure and those that qualify as economically distressed areas (EDA), using the DWR mapping tools. These can be found in Appendix B.

In addition to concerns of limitations with the aforementioned identification tools, many of the RWMGs are challenged with low levels of participation following DAC identification and initial outreach efforts. The MCFA DAC Coordinating Committee and the Sierra Institute have discussed refining the definition of DACs and building on the methods for identification and engagement of these communities. A combination of socioeconomic and community capacity measures and local knowledge will be used to augment the definition and methods of identification of DACs.

For the purposes of this proposal, DACs will refer to all communities considered economically disadvantaged, economically distressed, and underrepresented communities (URCs), which includes MCFA Tribes. Underrepresented includes communities that are underserved, highly isolated, have populations with linguistic or cultural barriers, or other communities characterized by high unemployment, low education, and low capacity. URCs are also defined as groups that have a history of disproportionately less representation in water policy and/or projects and include, but are not limited to: African American, Asian/Pacific Islanders, Native Americans [i], California Indian Tribes [ii], Hispanic, Middle-Eastern, and elderly populations, and unincorporated communities. All activities target DAC, underserved, and Tribal groups, however, some activities are specific to Tribal groups and will be referenced accordingly.

Engagement of Disadvantaged Communities

MCFA Outreach Efforts

In terms of outreach and performing needs assessments with already identified DAC, the majority of the MCFA IRWMs have initiated outreach efforts to identify specific water-related issues (see Appendix E). The most common form of outreach has included sending letters, emails, and meeting invitations. Less common strategies, implemented by some IRWM groups, are the formation of DAC and Tribal workgroups and subcommittees, hired consultants, and direct outreach with in-person interviews.

Several of the more effective strategies that a few of the MCFA IRWMs have pursued include:

- rotating meeting locations,

- providing meeting call-in options,
- staff participation in all-day Tribal outreach training sessions,
- multiple rounds of Tribal outreach,
- on-going and extended contact,
- providing trainings and technical assistance, and
- conducting public outreach meetings at Tribal facilities.

Challenges to DAC engagement include language and cultural barriers; dispersed geographic distribution; limited capacity to participate, both physical and financial; the lack of organizational structure making contact necessary on an individual basis, and to further exacerbate these challenges, the absence of a point of contact between the RWMGs and DACs.

Regional DAC Water-Related Needs

General water-related needs of the MCFA include water quality, supply, infrastructure, cost, cultural challenges and ecological concerns.

Water quality issues include deficiencies in safe drinking water with issues of nitrates, arsenic, perchlorate and other toxins. A number of locations have a history of unsafe drinking water and are subject to frequent “boil water” advisories. Additionally, there are challenges with individual wells and septic systems in disrepair that have impacts on water quality. Finally, the perception of water quality and trust in agencies to deliver safe drinking water remains a challenge.

Water supply issues include both the challenges of reliability and availability. Groundwater dependence and dependence on a single source of water supply reduces supply reliability, particularly during emergency drought curtailments and conditions, including active wildfire.

Infrastructure concerns consist of aging infrastructure, leaks, poor pressure, and bacteria, especially in the more rural areas of the MCFA that are typically characterized by water purveyors that lack the technical capacity for maintenance and capital improvement planning. Another example of infrastructure needs includes sewer services that are also plagued with aging infrastructure, deferred maintenance, and increasing regulatory requirements and costs. The inability to connect the hundreds of small purveyors makes sharing resources challenging.

Cost concerns include the fiscal capacity to repair and maintain functional water systems, replace failing wells, the high cost of water for residents, reliance on and high cost of bottled water, and the ever-rising cost of water treatment (i.e., regulatory requirements, energy, and technology available for small systems).

Cultural challenges include isolation from dialogue and representation, which leads to a lack of awareness of water issues facing these communities, barriers to resource procurement, and acknowledgement of tribal water rights.

Ecological concerns stem from flooding and stormwater issues, risk of wildfire, concerns over invasive species, and ecological health of streams, lakes, and springs.

In addition to these water-related needs, many DACs lack the capacity for planning, monitoring, and technical capacity.

DAC Involvement Activity Descriptions

Activities	Tasks
1. Adaptive Refinement of DAC Identification	<i>1.1 Identification of communities</i>
2. Outreach and Engagement	<i>2.1 Outreach to DACs</i>
	<i>2.2 Engagement of DACs</i>
	<i>2.3 Outreach & Engagement of Tribes in IRWM Governance</i>
3. Community Capacity & Needs Assessment	<i>3.1 Community and Tribal Identification, Capacity & Need Assessment</i>
	<i>3.2 Water/Wastewater Needs Assessment (including Tribal systems)</i>
	<i>3.3 Reassess Activities, Budget and Schedule Annually</i>
4. Capacity Building and Technical Assistance	<i>4.1 Capacity Building and Technical Assistance Training Workshops</i>
	<i>4.2 Technical Support and Tools</i>
	<i>4.3 Technical Assistance for Project Readiness</i>
	<i>4.4 Demonstration Projects</i>
	<i>4.5 Sharing Lessons Learned</i>
5. Project Management and Grant Administration	<i>5.1 Project Management</i>
	<i>5.2 Grant Administration</i>

The MCFA DAC Coordinating Committee is dedicated to a community-inclusive approach to DACI activities, including: identification, outreach and engagement, community capacity and needs assessment, and capacity building and technical assistance. The following proposed activities will utilize an adaptive approach that will be adjusted to the needs of the communities and the region. Built into this adaptive approach is time for reviewing tasks in order to better inform and continuously improve our approach. The activities and tasks are outlined below in semi-chronological order, however many of these activities will overlap with tasks ongoing. The adaptive approach to proposal activities is illustrated in the schedule, as well as the conceptual plan (Appendix C).

The DACI work will build upon the work already completed by the MCFA IRWMs through further and refined identification of DACs and developing an understanding of capacity and

system needs of these communities. This process will entail working with IRWMs to address needs by building capacity and providing direct technical assistance to support communities in developing sufficient capacity to identify, develop, implement, and maintain projects in the long run.

To achieve objectives as described in each task, the Sierra Institute will work with the DAC Coordinating Committee, as well as community-based organizations and consultants as needed to complete the work plan tasks with DACs and Tribal groups in the MCFA region. There are several Tribal needs that are specific to Tribal Nation sovereignty and Tribal traditional use of water. Since the traditional territories of MCFA Tribes overlap with the neighboring IRWM Regions, sharing Technical Assistance consultants, trainings, and outreach partners will be implemented when and where appropriate.

Activity 1: Adaptive Refinement of DAC Identification

The objective of this task is to identify rural, low-capacity communities that are underserved and underrepresented communities. Communities will first be identified through identification of “community” block groups and evaluated using socioeconomic indicators. Previously identified DACs will be included in this process.

For the DAC Involvement Program, we present a methodology to best identify, engage, and conduct in-depth community assessments, and more specifically needs assessments, to better understand and address DAC water-related needs. The foundation for our proposed activities is based on an assessment of community well-being in the Mountain Counties Funding Area, through a combination of socioeconomic and community capacity measures, and informed by local knowledge. This methodology is based on the peer-reviewed and successfully executed Sierra Nevada Ecosystem Project (SNEP) community assessment, which created a systematic approach to understanding community well-being through the development of a unit of analysis that focuses on all communities in the region. Updating the 1996 SNEP socioeconomic assessment to the extent that consistent census block group boundaries allow for the MCFA will add an important trend dimension to current assessment work.

The SNEP approach will be adapted for DAC purposes. Sierra Institute has already gathered block group data for five socioeconomic indicators, including: educational attainment, unemployment, public assistance, home ownership, and median household income. These socioeconomic indicators address many of the concerns brought forth by IRWM representatives in the MCFA. Multiple socioeconomic indicators are used to overcome the limitations and bias of any single indicator (see Appendix C for complete methodology).

Community capacity is “the collective ability of residents in a community to respond to external and internal stresses; to create and take advantage of opportunities, and to meet the needs of residents.”¹ We focus on place-based communities as a starting point to assess community capacity and needs. Place-based communities relate to the sense of belonging and identity to a

¹ Sierra Nevada Ecosystem Project: Final report Congress, vol. II, Assessments and scientific basis for management options. Davis: University of California, Centers for Water and Wildland Resource, 1996.

particular place and the commonalities shared among residents of a specific locale. Community capacity in this approach is comprised of five broad components: 1) physical capital, which includes physical aspects such as infrastructure in the community; 2) social capital, which includes the capability and willingness of the community to collaborate; 3) financial capital, which consists of financial capital in a community; 4) human capital, which includes skills, education, experience, and capabilities of the residents; and 5) cultural capital, the traditions, beliefs, and norms that organize a group and facilitate their continued existence.² These five capitals all contribute to overall capacity. A community may be particularly high in one or two capitals that offset reduced levels of capitals and still have overall high capacity.

Through a better understanding of socioeconomic indicators, community capacity, and local knowledge derived from a series of workshops throughout the MCFA, we will create aggregate census block groups as a primary unit of analysis and delineate “community” block units to best represent communities and their needs throughout the region. This approach avoids a reliance on a single income indicator or the use of the economically distressed areas approach, and allows for a community-inclusive approach that grounds and guides the proposed activities. Broader and deeper assessments are anticipated to increase DAC access to opportunities and services.

Task 1.1: Identification of communities

Sierra Institute has gathered the latest available block group data³ for the aforementioned socioeconomic indicators. Educational attainment information includes the percent of the population over 25 who have 1) less than a ninth-grade education; 2) some high school education (no diploma); 3) high school diploma, GED or equivalent; 4) some college; 5) associate’s degree; or 6) bachelor’s or higher. Unemployment includes the percentage of people in the labor force (including the armed forces) that are unemployed. Public assistance is the percentage of households that receive public assistance income. Home ownership is the percentage of homes in a community that are occupied by the owner. Lastly, a measure of median household income (MHI) is included. The utilization of these variables will provide a more robust approach to DAC identification. These indicators will be mapped to identify community trends and brought to workshops around the MCFA for further analysis as discussed in Activity 3.

Milestones:

- *Identification of previously excluded underrepresented communities*
- *A better understanding of the number and locations of DACs across the Mountain Counties Funding Area*
- *Initiation of a consistent community-inclusive approach to DAC identification across the MCFA region*

² Gary, G.J., Enzer, M.J., & Kusel, J. 2001. Understanding community-based forest ecosystem management: an editorial synthesis. *Journal of Sustainable Forestry*, 12(3-4), 1-23.

³ American Community Survey 5-year estimate (2011-2015)

Deliverables:

- *Maps to share and modify at community workshops*
- *List of communities in which to begin initial outreach efforts*

Activity 2: Outreach and Engagement

The objectives for outreach and engagement include: 1) the recruitment of representatives for participation in community workshops to assist in identifying community groups and discuss capacity and water-related needs; and 2) an evaluation of how DACs and Tribes can best participate in their IRWM governance structure to ensure continued opportunities for DAC participation in the decision-making process.

One of the goals of the DACI Program is to increase involvement of underrepresented communities in the IRWM planning process. As such, the outreach component will be a comprehensive and ongoing attempt to reach an array of stakeholders and include them in the planning and implementation efforts. The engagement component will focus on maintaining DAC and Tribal participation in decision making by identifying representatives for inclusion in IRWM and MCFA planning groups, either through direct meeting engagement or through diverse outreach and inclusion strategies.

Task 2.1: Outreach to DACs

Extensive outreach will occur in communities prior to workshops to engage local experts to participate in project planning, IRWM governance, and to create future points of contact in order to build capacity within these communities. Since most of the DAC in the MCFA are rural and may lack the technological capacity to participate remotely, outreach efforts will focus on in-community, offline approaches. Approaches will vary by community; however, possible strategies include identifying community leaders and utilizing existing networks and organizations within the community. Focused outreach efforts will target rural and economically disadvantaged communities, minority populations and Tribal groups separately, befitting their different cultural considerations and circumstances. Depending on previous work and existing relationships with Tribal and minority groups, local consultants may be hired to conduct outreach in these areas to increase effectiveness and identify local experts to partake in workshops.

Milestones:

- *Increased contacts within DACs in the MCFA*

Deliverables:

- *Updated list of community contacts and organizations*

Task 2.2: Engagement of DACs

DAC representatives will be identified and supported for inclusion in the governance process at three levels, the community, IRWM, and MCFA levels. Possible representatives will be identified early in the community identification process (Activity 1), and a preliminary DAC Involvement Committee will be formed to facilitate implementation of activities within their respective IRWMs. The committee will continue to recruit members as the DAC Involvement process progresses and more DACs and community leaders are identified through an ongoing DAC outreach process. A governance structure and communication structure will be developed. The DAC Involvement Committee will have quarterly meetings that will include outreach and communication training where necessary to bridge IRWM activities with community members.

Travel allowances will be made available to ease the burden of participation. Additionally, the committee will explore call-in options and consider rotating meeting locations to encourage involvement and reduce the travel time commitment of representatives. The DAC representatives will liaise directly with their IRWMs to increase DAC participation in RWMG governance and achieve the needs of DACs within each region.

Milestones:

- *Formation of DAC Involvement Committee*

Deliverables:

- *List of members of each IRWM's DAC representative(s)*
- *Governance and communication structure documents*
- *Meeting schedule*

Task 2.3: Outreach & Engagement of Tribes in IRWM Governance

Initial meetings with MCFA Tribes will include an orientation to the IRWM Plans and RWMG, the current governance structure and a discussion of the kinds of involvement that Tribes have in other IRWM Funding Areas. Tribes in each MCFA IRWM sub-region will work collectively, or we will work with them, to discuss and identify effective ways they can work with and be involved in the existing governance structure and potential representative opportunities available for Tribal involvement in their local IRWM. This will include a continued role of Tribal engagement with the RWMGs, as well as Tribal representatives in coordinating and decision-making bodies.

In the meetings with Tribes we will review the processes for Tribal inclusion in the governance structure of other IRWM Funding Areas⁴. We will compare the differing Tribal

⁴ As we review Tribal inclusion in the governance structure, we will give particular attention to the model utilized in the North Coast Region and in each of the regions in the MCFA.

representative processes and models for regional Tribal engagement coordinators that can assist throughout the DAC program and the IRWM programs going forward. Where there is no existing Tribal-approved structure, we will work with Tribes to develop a representative structure of their own to provide guidance to the RWMG and other ad hoc or decision-making bodies in their respective IRWMs. Travel allowances will be made available to ease the burden of participation.

Milestones:

- *Identification of Tribes that have been engaged and those who have not been engaged within MCFA IRWMs*
- *Agreement on Tribal governance structure and communication structure within MCFA IRWMs*
- *Establishment of the Tribal Advisory Committee (TAC)*
- *Development of an annual meeting schedule*

Deliverables:

- *MCFA Tribal contact list, sortable by RWMG*
- *Organizational model of Tribal inclusion in IRWM governance structure*
- *List of TAC members*

Activity 3: Community Capacity & Needs Assessment

The objectives of the following activity are to 1) identify communities utilizing local knowledge and experience, 2) assess community capacity and conduct a needs assessment with local experts, and 3) determine water-related needs by holding focus groups with service providers. These objectives fit into the larger goal of identifying needs and challenges as well as strengths on which to build and to most effectively leverage future funding. A pilot workshop will be held prior to conducting workshops throughout the MCFA in order to refine the approach as necessary.

A series of two-part workshops will be held throughout the MCFA. Part I will consist of two components, which will target a diverse set of local experts: 1) delineation of communities with local knowledge, and 2) assessment of community capacity. Part II will be a water/wastewater needs assessment that will target local service providers and will be open to other participants. Water-related needs include but are not limited to: infrastructure, watershed health, water quality, water supply, cost, stormwater, and forest management.

Once communities have been delineated, a further stakeholder needs assessment will be conducted with community members to identify water-related issues and challenges. This will involve holding meetings within the community following a period of intensive outreach.

Task 3.1: Community Identification, Capacity & Needs Assessment

For the community self-assessment workshop, five components of community capacity will be

assessed: physical capital, human capital, social capital, cultural capital, and financial capital. Local expert knowledge from a diverse group of participants will be gathered to assess these components that collectively make up community capacity. Individual community boundaries and narratives will be developed and capacity rankings will be collected at the workshops. Each workshop will ensure consistency by following the same process⁵:

- a) The group will be introduced to the general process, creation, and goals of the methodology and how this relates to the DAC Involvement Program.
- b) The socioeconomic assessment portion of the approach will be shared and discussed. An introduction to the units of analysis and the components of community well-being and capacity will be presented.
- c) The process for determining aggregations of block units based on the social and economic linkages will be described.
- d) Community aggregations of the area will be reviewed for appropriateness and altered where necessary.
- e) Community capacity will be presented in more detail.
- f) Participants will share local knowledge pertaining to community capital and overall capacity and community capacity worksheets.
- g) Community capital and capacity rankings will be presented back to the group for review and discussion. Following a discussion, final overall community capacity ratings for communities will be determined.

A needs assessment will also be incorporated into Part I of the workshops. The approach will be informed by the DWR needs assessment template (as found in the Request for Proposal) and adjusted to meet MCFA specific needs, including the addition of a “uniqueness” category for those atypical water-related needs. Major components of the needs assessment include water quality, availability, cost, wastewater, storm water, water system financing and an array of community characteristics such as involvement with the local RWMG, and knowledge of their water supplies. Additional information, including income surveys or other relevant socioeconomic and water-related needs data collection will be incorporated into the findings for each region.

Milestones:

- *Community aggregations for the particular area finalized*
- *Heighten involvement of community members in water-related activities*
- *Greater understanding of the MCFA communities and their capacity and needs*
- *Increased information sharing through web postings*
- *Greater understanding about how to use broader and deeper assessments to expand opportunities for DACs and Tribes*

⁵ This methodology is adapted from the Sierra Nevada Ecosystem Project (1996).

Deliverables:

- *Pilot workshop write-up*
- *Complete community capacity and needs assessment*
- *Workshop attendee lists and contacts*
- *Part I workshop review and write-up*
- *Figure depicting 1996 and 2016 SNEP socioeconomic data for the MCFA region*
- *Figure depicting the DAC assessment measures used by this process and those metrics used by other agencies*

Task 3.2: *Water/Wastewater Providers Needs Assessment (including Tribal systems)*

The MCFA has hundreds of water supply and wastewater treatment service providers, many of which are affected by inadequate, failing, or non-existent infrastructure. Many of these facilities were built decades ago to serve much smaller communities. These providers are usually geographically isolated, serve economically disadvantaged communities, are understaffed, and lack current technological advancements, making infrastructure improvements difficult to finance. The North Coast Resource Partnership, with funding from the DWR, implemented a pilot program to identify and address capacity and quality of service challenges of these small systems. The approach outlined below utilizes key components from that effort, making it relevant to the MCFA.

Assessment of capacity and quality of service challenges will include a series of workshops held throughout the region designed to engage small water and wastewater providers. Additional workshops will be held throughout the region to engage Tribal entities. Workshops will assess capacity, which will also highlight abilities of communities themselves to undertake their own water-related needs and issues. Following initial outreach, water and wastewater providers serving communities in the MCFA will be surveyed to determine technical, managerial, and financial needs and project priorities. A System Needs Survey Summary will be developed and used to inform the choice of capacity building workshop and training topics and to identify resources and tools to help meet common challenges.

Through this preliminary process of engagement, foundations for relationships will be laid to set the stage for long-term partnerships and collaborative efforts, thereby increasing capacity throughout the region. Additionally, identification of socioeconomic conditions, community capacity, water infrastructure, supply, and service issues will be identified, and further contacts identified and fostered.

Milestones:

- *A shared understanding of water infrastructure challenges*
- *Facilitated Workshops (12-20)*

Deliverables:

- *Workshop attendee lists and contacts*

- *Complete water/wastewater needs assessment*
- *Prioritized list for DAC needs*
- *Part II workshop review and write-up*

Task 3.3 *Reassess Activities, Schedule, and Budget Annually*

Following initial identification, outreach and engagement, and capacity and needs assessment workshops, the DAC Coordinating Committee in partnership with Sierra Institute and DWR and with input from the Tribal Advisory Committee and Disadvantaged Communities Involvement Committee will evaluate the progress to date and adapt the activities, schedule, and budget of the subsequent year to best meet the goals of the MCFA DACI objectives. After the second year of activities, another evaluation will occur to adapt the activities, schedule, and budget for the third and final year of DACI program funds.

Milestones:

- *An adapted plan for activities, budget, and schedule for the subsequent year, informed by the previous year and identified needs*

Deliverables:

- *An updated contract with DWR*

Activity 4: Capacity Building and Technical Assistance

The objectives of this activity are to build lasting DAC and Tribal participation in the MCFA. This is not only to prepare DAC and Tribal communities for development and submission of project funding proposals, but also to help ensure that communities have sustainable structures and systems in place to stay engaged after this program is completed.

Lack of technical capacity is a known challenge faced by many DACs. While initial workshops focus on identifying and understanding DACs, these workshops will provide technical support and tools to help build and sustain safe and effective water and wastewater service into the future.

Where technical assistance is readily available, Sierra Institute will assess the technical programs offered and provide assistance to leverage available funding and programs opportunities. For the communities without available assistance programs, trainings will be held using two approaches, including: 1) building on outreach partner and community meetings with focused organizational capacity-building trainings, such as organizing strategies, establishing fiscal systems, and/or securing funding for ongoing staff to stay engaged in water management, and 2) technical assistance trainings that build upon the Small Community Tool Box (see Task 4.2) by focusing on completion of feasibility studies and/or support in complying with state standards.

Task 4.1 *Capacity Building and Technical Assistance Training Workshops*

Capacity-building and technical assistance training workshops will be held, based on the needs assessment findings, System Needs Survey, community meetings, and the results of focused outreach activities such as interviews with community leaders, community-based organizations, and Tribal communities and organizations. These trainings will foster community engagement, enhance project development, and ensure MCFA DAC communities and Tribes are able to collaborate across the IRWM regions and have additional capacity and commitment to remain engaged in IRWM long after this program has been completed.

The training workshops will be undertaken with interested IRWM coordinators in order to build capacity within the IRWM regions for identifying water-related needs and solutions, so that IRWMs may share needs, solutions, and develop implementation projects. Workshops will be the core method for providing orientations regarding the IRWM and DACI Program, to distribute and administer the needs assessment, to collect information and contacts for further water needs assessments, and to connect local municipal services providers with technical assistance entities in the IRWM regions.

At these meetings, communities will assist in the analysis of relevant data (e.g., water quality assessments, municipal service reviews, water management plans, capital improvement plans, analysis of land use and planning documents, etc.) and as needed, IRWM coordinators will be funded to provide focused outreach partner activities such as introductions and liaison support for more effective outreach to and engagement with especially hard to reach DAC and Tribal communities.

Working with communities through focused workshops will facilitate community engagement in identifying water-related needs, reviewing existing information, and developing feasible solutions and relationships with reliable assistance providers. Community ownership in the development of projects is likely to lead to increased community capacity and support for project implementation.

Milestones:

- *Increased community capacity and technical ability*
- *Identification of Capacity Building trainers to meet needs identified through needs assessment*

Deliverables:

- *Facilitated Workshops (12-20)*
- *Workshop materials*
- *Capacity and Technical Assistance Training materials*
- *Training attendee lists and evaluations*
- *Workshop write-up*

Task 4.2: Technical Support and Tools

Workshops will include an orientation of the DACI Program, discussions of upcoming state water bond funding, system needs, assistance in identifying projects, opportunities to network with neighboring utility systems, and identifying needs for technical assistance needs for grant development. The workshops will provide an opportunity for municipal service providers to build capacity to more effectively work with DACs within their service regions. Presentations and training will be provided on topics such as: when and how to increase rates, how to develop and maintain a capital improvement plan, laws and regulations, system operation and maintenance, ethics and policies, emergency procedures, and project management.

Based on input from workshop attendees and entities already active in providing technical services in the MCFA, and the System Needs Survey, DAC and TAC projects will be identified and provided to the appropriate Coordinating Committee for demonstration project locations throughout the MCFA. The Coordinating Committees will assess the need for further development and technical assistance in project development. Consideration of project prioritization and opportunities for region-wide bundling of projects will be discussed by the Committees. It is anticipated that projects such as water and wastewater leak detection and repair that are already known to plague numerous DACs will be explored during workshops and with the Committees.

The information developed and collected throughout the workshops will be used to develop a set of user-friendly tools that can be shared with DAC and Tribal water and wastewater providers. A Small Community Toolbox, based on the program developed by the North Coast Resource Partnership and refined for the MCFA, will be developed to provide resources to help with system maintenance, replacement and upgrades, as well as to assist in the project development process. The Toolbox is intended to help small utilities develop an understanding available opportunities and resources for budgeting and funding. Tools contained in the Toolbox may include documents, maps, charts, or links to web resources. A Small Community Toolbox webpage will be developed to share details about the program and provide access to the tools. This will be an important resource for DACs. The Toolbox will be enhanced to include Tribal specific information, such as examples on how Tribes and RWMGs have addressed barriers to Tribal participation in the IRWM program both in governance and in project implementation.

Milestones:

- *Increased community access to technical support*

Deliverables:

- *Small Community Toolbox*
- *Web posting of training opportunities and for information sharing between IRWM regions and municipal service providers*

Task 4.3: Technical Assistance for Project Planning

Each DAC interested in partnering with the IRWMs for implementation projects that affect them will work with the appropriate Committee to develop project plans and timelines. Assistance for project planning will include DAC Proposals for Round II IRWM DAC Implementation funding, as well as assistance to apply for other funding sources to supplement the Round II IRWM DAC Implementation funding. By conducting planning activities, such as the creation of a project implementation scope of work, estimated budget, project timeline, potential design and engineering reviews, and environmental compliance, DAC proposals will be sufficiently developed for submission to funders.

Milestones:

- *Agreement on plans for Round II implementation project funding*

Deliverables:

- *Bundled DAC and Tribal proposals for MCFA DWR Round II Implementation funding*
- *Selection criteria for DAC and Tribal proposals to receive technical assistance and DAC and Tribal proposals in need of technical assistance to prepare for submission*

Task 4.4: Demonstration Projects

Development of case studies/demonstration projects that will serve as examples for the MCFA and the state as a whole. Under this task, the DAC Coordinating Committee will identify strategic demonstration project sponsors to receive assistance with the development of preliminary funding applications and pre-applications to a variety of grant programs, lists of funding opportunities specific to their project, preliminary engineering reports, and or project feasibility analysis. The Small Community Toolbox webpage will provide links to the demonstration projects and lists of recommendations associated with each project.

An option may include project bundling of DAC system upgrade needs (e.g., leak detection and repair) across the MCFA as a possible avenue for bringing needed funds to be distributed within the region based on the individual project schedules, assistance provider availability, and management capacities. Economies of scale from bundling should enhance effectiveness of the service providers helping the most isolated DAC communities across this large and rural region.

Milestones:

- *Demonstration projects identified and developed in various locations in the MCFA and submitted for funding opportunities. Consideration of a*

bundled MCFA submission for DWR IRWM implementation funding.

Deliverables:

- *Prioritized list of projects*
- *Preliminary project reports*

Task 4.5: Sharing Lessons Learned

This task consists of two parts, learning lessons from projects throughout the MCFA region and connecting to adjacent regions to share information and develop and maintain effective upstream/downstream communication.

Part 1 entails annual meetings with the three committees, the DAC Coordinating Committee, the DAC Involvement Committee and the Tribal Advisory Committee. Meetings will be used as a central repository for information dissemination, sharing lessons from DAC involvement and project work from each IRWM, and learning together. Part 2 will involve on-going communication with adjacent regions, such as the Pit, Inyo-Mono, and North Sacramento Valley to cultivate more effective linkages and communication between upstream and downstream communities.

Milestones:

- *MCFA region-wide sharing and understanding of DAC involvement and project lessons learned*
- *On-going communication of communities upstream and downstream*
- *On-going communication of DAC and Tribal communities across the larger Sierra regions*

Deliverables:

- *Report of lessons learned from the region*
- *Recommendations and Next Steps*

Activity 5: Project Management and Grant Administration

Sierra Institute will perform on-going managerial tasks including administering funds and responding to DWR's reporting and compliance requirements associated with grant administration. Sierra Institute will adhere to adaptive management principles by taking a phased approach to this program. Sierra Institute will continue to work with the DAC Coordinating Committee, DWR, and the DAC Involvement and Tribal Advisory Committees, once formed, to revise the scope of the activities, schedule, and budget following annual reviews of status, progress, and needs. This allows for flexibility and the project to evolve as new information becomes available.

5.1 Project Management

Project management entails gathering data and information from IRWMs and writing quarterly reports with deliverables, compiling the final report, facilitating the proposed activities with contractors/team members, and providing continued assistance as needed.

Milestones and Deliverables:

- *Grant Agreement implemented*
- *Invoices and backup documentation as required*
- *Quarterly Progress Reports*
- *Draft and Final Report*

5.2 Grant Administration

Tasks of grant administration consist of managing and submitting invoices, budgeting, and occupancy and equipment expenses associated with this project at the Sierra Institute offices.

Milestones and Deliverables:

- *Invoices and backup documentation as required*
- *Annual Activities, Schedule, and Budget updated*

D. Statement of Qualifications Relevance of Applicant

The applicant team, consisting of the Sierra Institute for Community and Environment (SI), Sherri Norris from CIEA, and Hinman & Associates Consulting Inc. have demonstrated their capacity to manage large-scale grants that identify and address community needs. The combined history and knowledge of culture and experience with IRWMs augments the team's ability to understand the unique challenges the many disadvantaged, underrepresented, and underserved communities face across the MCFA.

SI promotes healthy and sustainable forests and watersheds by investing in the well-being of rural communities and strengthening their participation in natural resource decision-making and programs. SI has an extensive history of working in watersheds with local community groups from its inception over 21 years ago. Since 2005, the SI coordinated the Lake Almanor Watershed Group (LAWG). As a signatory and participant of the Upper Feather River (UFR) IRWM, SI has gained first-hand knowledge of the inner workings of the Upper Feather River IRWM. SI has conducted projects in watersheds throughout Mariposa County—Upper Merced River Watershed, Mariposa Stream Groups Watershed, and Upper Chowchilla River Watershed—to develop and evaluate measures and indicators to assess socioeconomic wellbeing, as part of a pilot indicators project for DWR. SI is currently assessing Department of Conservation funding projects across the state, many of which involve IRWMs.

CIEA has knowledge of the culture of the IRWMs and direct experience working within IRWMs. Since 2004, CIEA has been the Tribal Engagement Coordinator for the North Coast Resource Partnership (NCRP), which is a RWMG recognized for its strong integrated Tribal participation. In 2015, CIEA was brought on as the Tribal Engagement Coordinator for the Upper Feather River (UFR) sub-region of MCFA. CIEA coordinated the UFR Tribal Advisory Committee (UFR TAC) and with participating UFR Tribes created the structure wherein the Tribal Representative in the Upper Feather River advised the RWMG voting Tribal Representative, updated the IRWM Plan and integrated Tribal participation in the majority of the proposed UFR IRWM projects. CIEA has joined the Bay Area IRWM outreach efforts to include Bay Area Tribes and Tribal organizations into Bay Area Integrated Regional Water Management (IRWM). In these regions CIEA organizes the processes to elect Tribal Representatives for IRWM governance structures, facilitates updates identifying Tribal needs to IRWM Plans, integrates Tribal projects, coordinates trainings, conducts outreach to regional Tribes and facilitates monthly, quarterly and annual Tribal Annual Meetings per the identified needs and schedule approved by Tribes. Most recently CIEA has joined the Sacramento DACs program team to create a cross RWMG Tribal advisory body which will lead the Tribal portion of their DACs program to increase Tribal participation in IRWMs.

Hinman & Associates Consulting Inc. has participated and facilitated conferences and workshops hosted by the SWWG, IRWM Roundtable of Regions, and the DWR, and as lead consultant to the UFR IRWM, successfully led the completion of the Plan Update. The firm's experience with local government agencies and rural municipal service providers strengthens the applicant's capacity to address underserved public infrastructure issues.

While this team has the experience and capacity to act as a grant manager and fiscal agent, as well as conduct DAC and Tribal community identification, outreach, and needs assessment activities, we acknowledge the utility of building off of what has already been done. In this regard, we will administer small to medium size contracts with local organizations already working in some of the DAC and Tribal communities. We will also be working with each RWMG to determine their desired level of involvement and to identify consultants appropriate for selected activities.

DAC Water Management Needs Experience

Collaborative experience working with water management needs of DACs is essential for the grant manager of the DAC Involvement Program. For over two decades, SI has worked successfully with collaborative groups, community groups, water organizations, and agencies directly involved in addressing water management needs of disadvantaged and underserved communities. In the UFR, SI launched the LAWG in 2005, beginning first with an assessment and then working with local citizens and the Plumas County Board of Supervisors to establish the group that continues today. Additionally, SI implemented a 2010 DWR-funded socioeconomic assessment of three watersheds in Mariposa County. SI identified five key socioeconomic conditions of watersheds, indicators of those conditions, and metrics for measuring the indicators. Lessons learned and recommendations from this report are relevant for working with the MCFA.

Lastly, Hinman & Associates Consulting Inc., recently led a diverse team to prepare the Upper Feather River (UFR) IRWM Plan. The UFR IRWM Region covers all or portions of five counties within the UFR watershed. The 2016 Plan was a two-year collaborative planning effort to update the 2005 IRWM Plan, and is the first Proposition 1 compliant IRWM plan in the state. Diverse stakeholders, the public, Tribal representatives, as well as local, state and federal agencies with interests in the watershed were included in conversations. The Municipal Services Workgroup was made up of approximately 20 small DAC water and wastewater districts; 42 municipal projects were developed through the workgroup and included in the Plan. To further support DACs in the region, Hinman & Associates Consulting Inc. performed DAC needs assessment surveys with water and wastewater service providers that lacked the capacity to regularly attend workgroup meetings. The one-on-one assessments resulted in greater participation in the Plan update and identification of additional projects for inclusion.

Tribal Outreach Knowledge and Experience

CIEA specializes in working with California Native American Tribes and low-income communities, providing coordination, technical support and environmental health trainings. Since 2006, CIEA has facilitated Tribal strategy meetings specifically to address water quality in the Bay Area and Northern California and to foster relationships between California Tribes, state agencies and Environmental Justice groups. CIEA has extensive experience, and success, working with California Tribes, individual community groups, water organizations and other agencies/organizations whose work is directly related to the water management needs of DACs. CIEA has assisted in Tribal engagement in three regional IRWMs including the North Coast, the Upper Feather River and CABY. Most recently CIEA has joined the Bay Area, MCFA and Westside IRWM efforts to integrate Tribes into RWMG decision-making. CIEA was a contributor to the “Tribal Collaboration in IRWM: Challenges, Solutions, and Recommendations”⁶ study and was an active participant in DWR’s Stakeholder Engagement and Advisory Committee (SEAC) to address barriers to Tribal participation in IRWMs statewide.

For the UFR IRWM Plan update, Hinman & Associates Consulting, Inc. led a collaborative, inclusive process with diverse stakeholders that included a Tribal outreach component. Hinman & Associates Consulting, Inc. contracted with CIEA to develop a Tribal Engagement Plan for the UFR region and facilitate the Tribal outreach component of the update. A Tribal Advisory Committee was developed to lead Tribal outreach and engagement for the region and to coordinate directly with the RWMG. Plan elements focused on overall management goals and objectives for the watershed, identification and development of projects for disadvantaged communities, water supply and availability, watershed restoration, and climate change adaptation strategies. Uma Hinman served as the project manager, primary facilitator and author, and the municipal services workgroup coordinator.

⁶ Dolan, Danielle V. 2013. Tribal Collaboration in IRWM: Challenges, Solutions, and Recommendations. Final Report of the IRWM Tribal Collaboration Effectiveness Study to the Department of Water Resources, IRWM Division. University of California, Davis. [online]
<https://ccrec.ucsc.edu/sites/default/files/CCREC%20Research%20Report%202%20Tribal%20Collab%20in%20IRWM.pdf>

Information Management Capabilities

SI has a long history of implementing projects that integrate communities into the process and empower them to participate in decisions that affect their own landscapes and wellbeing. We will highlight a select few initiatives that demonstrate our capability to gather information from multiple sources and present that information accurately and concisely in a report format. For the 2002 assessment of the Northwest Economic Adjustment Initiative, SI examined 35 communities to assess project impacts, developed several reports, and presented to Congress and to statewide groups throughout the Pacific Northwest. In 2006, the Sierra Institute was commissioned by the US Department of Agriculture, the US Forest Service, the Department of the Interior and the Bureau of Land Management to evaluate Title II and Title III of the Secure Rural Schools and Self-Determination Act. This work consisted of examining rural collaboration and groups across the country, reports and presentations to the groups themselves, as well as the US Congress. Lastly, the watershed indicator report produced by SI from the DWR-funded Mariposa watershed assessment is still being used for indicator identification and framing.

Grant Management

As a fully grant-funded nonprofit, SI has proactively managed grants and related activities in a timely and successful manner throughout the organization's history. SI has an extensive history of working on the USDA's Rural Community Development Initiatives grants (RCDI), the Sierra Nevada Ecosystem Project (SNEP), Sierra Cascades All Lands Enhancement (SCALE), facilitating Burney-Hat Creek Community Forest and Watershed Group, facilitating the Lake Almanor Watershed Group, and acting as a leader in helping other organizations and agencies (e.g. University of California) understand and advance civic science.

E. Schedule

Schedule			
Task	Task Name	Start Date	End Date
DAC Involvement Program		1-Aug-17	31-Jul-20
Adaptive Refinement of DAC Identification			
1.1	Identification of Communities	1-Aug-17	15-Oct-17
	Maps to share and modify at community workshops	1-Aug-17	15-Oct-17
	List of communities in which to begin initial outreach efforts	1-Aug-17	15-Oct-17
Outreach and Engagement			
2.1	Outreach to DACs	1-Sep-17	31-Jul-20
	Updated list of community contacts and organizations	1-Sep-17	31-Oct-17
2.2	Engagement of DACs	1-Sept-17	31-Jul-20
	Initial list of members of each IRWM's DAC representative(s)	1-Sept-17	30-Nov-17
	Meeting schedule for DACI committee	1-Sept-17	15-Mar-18
	Governance and communications structure documents	1-Sept-17	15-Mar-18
2.3	Outreach and Engagement of Tribes in IRWM Governance	1-Sept-17	31-Jul-20
	Initial list of members of each IRWM's TAC representative(s)	1-Sept-17	30-Nov-17
	Meeting schedule for TAC committee	1-Sept-17	15-Mar-18
	Organizational model of Tribal inclusion in IRWM governance structure	1-Sept-17	15-Mar-18
Community Capacity and Needs Assessment			
3.1	Community Identification and Capacity Assessment	1-Sept-17	31-Jul-20
	Workshop materials	1-Sept-17	15-Nov-17
	Pilot workshop write up	15-Sept-17	30-Nov-17
	Workshop attendee lists and contacts	1-Sept-17	31-Jan-20
	Community aggregations for the are finalized	1-Sept-17	15-Jun-18

	Complete community capacity and needs assessment	1-Sept-17	15-Jun-20
	Workshop review and write up	15-Sept-17	31-Jul-20
3.2	Water/Wastewater Needs Assessment	1-Sept-17	31-Jul-20
	Workshop attendee lists and contacts	1-Sept-17	31-Jan-20
	Community aggregations for the are finalized	1-Sept-17	15-Jun-18
	Workshop review and write up	1-Sept-17	31-Jul-20
3.3	Adapt plan for activities, budget, and schedule	1-Aug-17	31-Jul-20
Capacity Building and Technical Assistance			
4.1	Capacity Building and Technical Assistance Training Workshops	1-Sept-17	31-Jul-20
	Workshop materials	1-Sept-17	15-Aug-19
	Capacity and technical assistance training materials	15-Sept-17	15-Aug-19
	Training meeting lists and evaluation	15-Sept-17	31-Jul-20
	Identification of sub-regional water needs	15-Sept-17	31-Jul-20
	Workshop review and write up	1-Sept-17	31-Jul-20
4.2	Technical Support and Tools	1-Sept-17	31-Jul-20
	Small community toolbox	1-Sept-17	31-Jul-20
	Web posting of training opportunities and for information sharing between IRWM regions and municipal service providers	1-Sept-17	28-Feb-20
	Workshop review and write up	1-Sept-17	31-Jul-20
4.3	Technical Assistance for Project Planning	1-Jan-18	31-Jul-20
	Bundled DAC and tribal proposals for MCFA DWR Round II Implementation funding	1-Jan-18	31-Jul-20
	Selection criteria for DAC and Tribal proposals to receive technical assistance and DAC and Tribal proposals in need of technical assistance to prepare for submission	1-Jan-18	31-Jul-20
4.4	Demonstration Projects	1-Apr-19	31-Jul-20

	Demonstration projects identified and developed in various locations	1-Apr-19	31-Jul-20
4.5	Sharing Lessons Learned	1-Sept-17	31-Jul-20
	Lessons learned from the region	1-Sept-17	31-Jul-20
	Linkage to adjacent regions	1-Sept-17	31-Jul-20
Project Management and Grant Administration			
	Grant Agreement implemented	1-Aug-17	31-Jul-20
	Adaptive management: activities, schedule and budget refinement	1-Aug-18 1-Aug-19	31-Jul-20
	Invoices and backup documentation as required	1-Aug-17	31-Jul-20
	Quarterly Progress Reports	1-Nov-17 1-Feb-18 1-May-18 1-Aug-18 1-Nov-18 1-Feb-19 1-May-19 1-Aug-19 1-Nov-19 1-Feb-20 1-May-20	31-Jul-20
	Draft and Final Report	1-May-20	31-Jul-20

F. Budget

This budget is an estimate and will be reevaluated at the conclusion of the first year with the DAC Coordinating Committee and DWR.

Proposal Preparation					
	California Indian Environmental Alliance	\$4,250			\$4,250
	Hinman & Associates Consulting Inc.	\$4,050			\$4,050
	Sierra Institute for Community and Environment	\$36,000			\$36,000
	Travel Assistance	\$1,000			\$1,000
	SWWG Invoice for DAC Coordination	\$10,955			\$10,955
	<i>Total</i>	\$56,255			\$56,255
Proposal Preparation Budget Calculations					
	California Indian Environmental Alliance	50 hrs @ \$85/hr for Tribal Engagement Development			
	Hinman & Associates Consulting Inc.	50 hrs; Principal Planner: \$85/hour * 40 hours Planner Analyst: \$65/hour* 10 hrs			
	Sierra Institute for Community and Environment	450 hrs; Principal Investigator: \$100/hour; Manager: \$85/hour; Project Associate: \$65/hour			
	Travel Assistance	Two meetings in Sacramento & IRWM proposal presentation			
	SWWG Invoice for DAC Coordination	Refer to submitted invoice			
Task	Task Name	PHASE I Year One (Aug 2017- July 2018)	PHASE II Year Two (Aug 2018- July 2019)	Phase III Year Three (Aug 2019- July 2020)	TOTAL
1. Adaptive Refinement of DAC Identification					

1.1	Identification of Communities				
	GIS specialist/mapping	\$14,500	\$7,500	\$7,500	\$29,500
	Data collection and management	\$8,375	\$4,250	\$2,250	\$14,875
	Software	\$1,200	\$0	\$0	\$1,200
	<i>Total</i>	\$24,075	\$11,750	\$9,750	\$45,575
	1.1 Budget Calculations				
	GIS specialist/mapping	GIS specialist \$100/hour, estimated 145 hours	GIS specialist at \$100/hour for 75 hours	GIS specialist at \$100/hour for 75 hours	
	Data collection and management	SI staff at \$65/hour for 129 hours	\$65 hour for 65 hours	\$65/hour for 65 hours	
	Software	Price of a statistics software	-	-	
	2. Outreach and Engagement				
2.1	Outreach to DACs				
	Identifying and contacting community organizations	\$13,700	\$3,850	\$2,925	\$20,475
	Small to medium contracts to existing organizations	\$8,300	\$4,150	\$2,075	\$14,525
	<i>Sub-total</i>	\$22,000	\$8,000	\$5,000	\$35,000
	2.1 Budget Calculations				
	Identifying and contacting community organizations	\$65/hr * 9 IRWM * 20 hrs per IRWM; \$85/hr * 2 hrs/IRWM * 9 IRWM; \$100/hr * 0.5 hr/IRWM * 9	\$65/hour * 9 IRWM * 6-7 hours per IRWM	\$65/hour * 9 IRWM * 5 hours per IRWM	
	Small to medium contracts to existing organizations	\$1000-\$2000 small contracts with local organizations	\$1000-\$2000 small contracts with local organizations	\$1000-\$2000 small contracts with local organizations	
2.2	Engagement of DACs				
	Additional outreach to DACs	\$11,700	\$5,850	\$2,925	\$20,475
	Travel assistance	\$8,300	\$4,150	\$2,075	\$14,525
	DACI committee meetings	\$4,000	\$2,000	\$2,000	\$8,000
	<i>Sub-total</i>	\$24,000	\$12,000	\$7,000	\$43,000
	2.2 Budget Calculations				

	Additional outreach to DACs	SI @ \$65*8-9 hrs/IRWM * 9 IRWM + Hinman @ \$85 * 8-9 hrs/IRWM * 9 IRWM	SI @ \$65*4-5 hrs/IRWM * 9 IRWM + Hinman @ \$85 * 4-5 hrs/IRWM * 9 IRWM	SI @ \$65*2 hrs/IRWM * 9 IRWM + Hinman @ \$85 * 2-3 hrs/IRWM * 9 IRWM	
	Travel assistance	4 meetings/year* 10-25 people*\$50-\$160/person	2 meetings/year* 10-25 people*\$50-\$160/person	1 meetings/year* 10-25 people*\$50-\$160/person	
	DACI committee meetings	\$1000/meeting (facilitation, space) * 4/year	\$1000/meeting * 2/year	\$1000/meeting * 2/year	
2.3	Outreach and Engagement of Tribes				
	Development of Tribal Representative TAC & Tribes in IRWM Governance	\$8,100	\$2,700	\$2,700	\$13,500
	Tribal outreach/engagement	\$16,000	\$16,000	\$16,000	\$48,000
	Tribal Representative Leadership Support & Coordination	\$4,500	\$4,500	\$4,500	\$13,500
	Travel assistance	\$5,000	\$5,000	\$5,000	\$15,000
	<i>Sub-total</i>	\$33,600	\$28,200	\$28,200	\$90,000
	<i>Total</i>	\$79,600	\$48,200	\$40,200	\$168,000
2.3 Budget Calculations					
	Development of Tribal Representative TAC & Tribes in IRWM Governance	9 hrs @ \$100/hr per IRWM (9)	3 hrs @ \$100/hr per IRWM (9)	2-3 hrs @ \$100/hr per IRWM (9)	
	Tribal outreach/engagement	10 hr/IRWM * 9 IRWM*\$100/hr + 2-4 small contracts \$1000-\$4000	10 hr/IRWM * 9 IRWM*\$100/hr +2-4 small contracts \$1000-\$4000	10 hr/IRWM * 9 IRWM*\$100/hr + 2-4 small contracts \$1000-\$4000	
	Tribal Representative Leadership Support & Coordination	\$100/hr * 5 hr/IRWM * 9 IRWM	\$100/hr * 5 hr/IRWM * 9 IRWM	\$100/hr * 5 hr/IRWM * 9 IRWM	
	Travel assistance	2-3 meetings/year* 10-25 people*\$50-\$160/person	2-3 meetings/year* 10-25 people*\$50-\$160/person	2-3 meetings/year* 10-25 people*\$50-\$160/person	

3. Community Capacity and Needs Assessment					
3.1	Community Identification and Capacity Assessment				
	Workshop planning, prep and materials	\$10,000	\$4,600	\$3,068	\$17,668
	Pilot workshop and review	\$4,790	\$0	\$0	\$4,790
	Workshops	\$68,160	\$15,000	\$15,000	\$98,160
	Travel assistance	\$12,000	\$3,000	\$3,000	\$18,000
	Review/Reporting	\$11,700	\$3,250	\$3,250	\$18,200
	<i>Sub-Total</i>	\$106,650	\$25,850	\$24,318	\$156,818
	3.1 Budget Calculations				
	Workshop planning and materials preparation	16 workshops * 13 hours/ workshop @ \$85	3-4 workshops * 13 hours/ workshop @ \$85	3-4 workshops * 13 hours/ workshop @ \$85	
	Pilot workshop and review	8 hours * (100+85+65+85+85) (SI; Hinman; CIEA)) + 22 hours @ 65/hour for review	-	-	
	Workshops	16 meetings * (12 hrs (\$100/hr) + 12 hrs (\$85/hr) + 12(\$85/hr) +12 (\$85/hr)) (SI; Hinman; CIEA))	3-4 meetings * (12 hrs (\$100/hr) + 12 hrs (\$85/hr) + 12(\$85/hr) +12 (\$85/hr)) (SI; Hinman; CIEA))	3-4 meetings * (12 hrs (\$100/hr) + 12 hrs (\$85/hr) + 12(\$85/hr) +12 (\$85/hr)) (SI; Hinman; CIEA))	
	Travel assistance	\$50-\$150/person * 12 meetings *10 people	\$50-\$150/person * 3 meetings *10 people	\$50-\$150/p * 3 meetings *10 people	
	Review/Reporting	20 hrs/IRWM (9) review and report writing @ \$65 hour	5-6 hrs/IRWM (9) review and report writing @ \$65 hour	5-6 hrs/IRWM (9) review and report writing @ \$65 hour	
3.2	Water/Wastewater Needs Assessment				
	Contract to specialist & Tribe(s)	\$80,000	\$45,000	\$30,000	\$155,000
	Travel assistance	\$12,000	\$3,000	\$3,000	\$18,000
	<i>Sub-Total</i>	\$92,000	\$48,000	\$33,000	\$173,000
	3.2 Budget Calculations				

	Contract to specialist & Tribe(s) / Tribal engagement	Small-medium size contracts \$1000-\$5000 * 24 (min.)	Small-medium size contracts \$1000-\$5000 * 3(min.)	Small-medium size contracts \$1000-\$5000 * (3 min.)	
	Travel assistance	\$50-\$150/person * 12 meetings *10 people	\$50-\$150/person * 3 meetings *10 people	\$50-\$150/p * 3 meetings *10 people	
3.3	Reassess Activities, Schedule, and Budget Annually				
	Meeting cost	\$1,500	\$1,500	\$1,500	\$4,500
	Travel assistance	\$2,000	\$2,000	\$2,000	\$6,000
	<i>Sub-Total</i>	\$3,500	\$3,500	\$3,500	\$10,500
	Total	\$202,150	\$77,350	\$60,818	\$340,318
	3.3 Budget Calculations				
	Meeting cost	\$100/hr * 5 + \$85/hr * 5 + meeting space expenses	\$100/hr * 5 + \$85/hr * 5 + meeting space expenses	\$100/hr * 5 + \$85/hr * 5 + meeting space expenses	
	Travel assistance	\$50-150/person * 1 meeting * 20 people	\$50-150/person * 1 meeting * 20 people	\$50-150/person * 1 meeting * 20 people	
4. Capacity Building and Technical Assistance					
4.1	Capacity Building and Technical Assistance Training Workshops				
	Workshop planning and materials preparation	\$850	\$2,350	\$0	\$3,200
	Additional outreach to workshop participants	\$2,925	\$7,020	\$0	\$9,945
	Travel assistance	\$2,800	\$6,400	\$6,400	\$15,600
	Materials for technical assistance	\$500	\$500	\$0	\$1,000
	Workshops, trainings and meetings	\$8,000	\$22,200	\$22,200	\$52,400
	Report writing	\$2,550	\$4,250	\$5,950	\$12,750
	<i>Sub-Total</i>	\$17,625	\$42,720	\$34,550	\$94,895
	4.1 Budget Calculations				
	Workshop planning and materials preparation	10 hrs*\$85/hr	10 hrs*\$85/hr + \$1797 in materials	-	

	Additional outreach to workshop participants	9 IRWM * 5 hrs per IRWM (9) * \$65/hr	9 IRWM * 13 hrs per IRWM (9) * \$65/hr	-	
	Travel assistance	\$50-150/person * 7-9 people * 3-4 meetings	\$50-150/person * 7-9 people * 6-10 meetings	-\$50-150/person * 7-9 people * 6-10 meetings	
	Materials for technical assistance	Estimated materials budget	Estimated materials budget	-	
	Workshops, trainings and meetings	3-4 meetings * 12 hr per meeting * salaries (\$100/hr+\$85/hr)	6-12 meetings * 12 hr per meeting * salaries (\$100/hr+\$85/hr)	6-12 meetings * 12 hr per meeting * salaries (\$100/hr+\$85/hr)	
	Report writing	25 hrs * \$85/hr	50 hrs * \$85/hr	75 hrs * \$85/hr	
4.2	Technical Support and Tools				
	Contracts to develop technical support materials	\$20,000	\$74,500	\$31,500	\$126,000
	Report writing	\$1,625	\$3,250	\$4,875	\$9,750
	Small Community Toolbox	\$10,000	\$24,000	\$14,000	\$48,000
	Website to host Small Community Toolbox and other resources	\$6,000	\$4,000	\$4,000	\$14,000
	<i>Sub-Total</i>	\$37,625	\$105,750	\$54,375	\$197,750
	4.2 Budget Calculations				
	Contracts to develop technical support materials	\$3000-\$4000 contracts	\$3000-\$4000 contract * 3 contracts per IRWM (9)	\$3000-\$4000 contract * 1 contract per IRWM (9)	
	Report writing	25 hrs of workshop review/writing/sharing @ \$65/hr	50 hrs of workshop review/writing/sharing @ \$65/hr	75 hrs of workshop review/writing/sharing @ \$65/hr	
	Small Community Toolbox	Estimated from other proposals	Estimated from other proposals	Estimated from other proposals	
	Website to host Small Community Toolbox and other resources	Website building and management estimate; linking to other sites	Website host estimate from other proposals	Website management estimate	
4.3	Technical Assistance for Project Planning	\$10,000	\$55,000	\$55,000	\$120,000
	<i>Sub-Total</i>	\$10,000	\$55,000	\$55,000	\$120,000
	4.3 Budget Calculations				

		Small-medium contracts for technical assistance	Small-medium contracts for technical assistance	Small-medium contracts for technical assistance	
4.4	Demonstration Projects	\$0	\$0	\$62,624	\$62,624
	<i>Sub-Total</i>	\$0	\$0	\$62,624	\$62,624
	4.4 Budget Calculations				
		-	-	Estimated money set aside for demonstration project	
4.5	Sharing Lessons Learned				
	Outreach & Integration of Lessons Learned	\$12,000	\$15,000	\$15,000	\$42,000
	Travel assistance	\$4,000	\$4,000	\$4,000	\$12,000
	Contracts (SWWG)	\$9,000	\$9,000	\$9,000	\$27,000
	<i>Sub-Total</i>	\$25,000	\$28,000	\$28,000	\$81,000
	Total	\$90,250	\$231,470	\$234,549	\$556,269
	4.5 Budget Calculations				
	Outreach & Integration of Lessons Learned	SI to gather information and lessons learned from IRWMs, host one meeting per year with all 3 committees, SWWG assist	SI to gather information and lessons learned from IRWMs, host one meeting per year with all 3 committees, SWWG assist	SI to gather information and lessons learned from IRWMs, host one meeting per year with all 3 committees, SWWG assist	
	Travel assistance	\$50-\$150/person * 1-3* meetings *15-20 people/meeting	\$50-\$150/p * 1-3 meetings *15-20 people/meeting	\$50-\$150/p * 1-3 meetings *15-20 people/meeting	
	Contracts (SWWG)	Hourly rate with SWWG * 9 IRWM * 15-20 hrs/IRWM	Hourly rate with SWWG * 9 IRWM * 15-20 hrs/IRWM	Hourly rate with SWWG * 9 IRWM * 15-20 hrs/IRWM	
	5. Project Management and Grant Administration				
5.1	Project Management	\$12,000	\$12,000	\$12,000	\$36,000
	Quarterly reports	\$7,500	\$7,500	\$7,500	\$22,500
	Final report		\$3,500	\$8,500	\$12,000
	<i>Sub-Total</i>	\$19,500	\$23,000	\$28,000	\$70,500

	5.1 Budget Calculations				
	Project Management	120 hrs* \$100/hr	120 hrs* \$100/hr	120 hrs* \$100/hr	
	Quarterly reports	10-12 hrs/IRWM * \$65/hr	10-12 hrs/IRWM * \$65/hr	10-12 hrs/IRWM * \$65/hr	
	Final report		50-55 hrs @ 65/hr	115-130 hrs @ 65/hr	
5.2	Grant Administration				
	@ 5.1%	\$24,063*	\$19,980*	\$19,039*	*\$63,083 not included in section 5 total
	<i>Sub-Total</i>				\$70,500
	Total				\$70,500
	5.2 Budget Calculations				
	Invoices	Approximately 5.1% administration fee based on \$15,000 for invoicing and billing and \$6000 in facilities and equipment rental per annum			
	Occupancy, facility and equipment rental/use				
					Total
	Total	\$471,830	\$391,770	\$373,317	\$1,236,917
	Grant Administration	\$24,063	\$19,980	\$19,039	\$63,083
	Grand Total				\$1,300,000

Appendix A:

Letters of Support

June 14, 2017



Jim Peifer, Chair
Marcus Yasutake, Vice
Chair

Craig Cross
Department of Water Resources
Division of Integrated Regional Water Management
P.O. Box 942836
Sacramento, California 94236-0001

RE: IRWM Disadvantaged Community Involvement Grant Program, Mountain
Counties Funding Area

Members

California American Water
Carmichael Water District
Citrus Heights Water District
Del Paso Manor Water
District
El Dorado Irrigation District
Elk Grove Water District
Fair Oaks Water District
Folsom, City of
Golden State Water
Company
Lincoln, City of
Orange Vale Water Company
Placer County Water Agency
Rancho Murieta Community
Services District
Roseville, City of
Rio Linda / Elverta
Community Water District
Sacramento, City of
Sacramento County Water
Agency
Sacramento Suburban Water
District
San Juan Water District
West Sacramento, City of
Yuba City

Dear Mr. Cross:

I am writing to explain the American River Basin (ARB) IRWM Region's expected level of participation for the Disadvantaged Community Involvement Program (DCIP) for the Mountain Counties Funding Area (MCFA). The Regional Water Authority (RWA) is the ARB IRWM regional water management group (RWMG) approved by the Department of Water Resources (DWR).

At this time, it is RWA's preference to defer activities in the MCFA under the DCIP to the Cosumnes, American, Bear, Yuba (CABY) IRWM group. When RWA was approved by DWR as the ARB RWMG in late 2009 there was an intentional area of overlap between RWA and CABY in the communities of Auburn and El Dorado Hills. This overlap existed because of common members in RWA and CABY in the form of Placer County Water Agency (PCWA) and El Dorado Irrigation District (EID). In addition, these areas are adjacent the ARB's groundwater basin and could potentially participate in conjunctive use operations by exchanging groundwater and surface water depending on hydrologic conditions. To ensure ongoing coordination and collaboration, RWA and CABY entered into a Memorandum of Understanding (MOU) in May 2009 (see enclosed MOU).

In the area of ARB-CABY overlap (see enclosed map) there are identified DACs in the community of Auburn, but none in the community of El Dorado Hills. In deferring DCIP activities to CABY in the Auburn area, it is RWA's expectation that issues in those DACs will be addressed to the satisfaction of the Placer County Water Agency as the water purveyor to the community. It is also our expectation that RWA will receive a summary of any activities in DACs in the overlap area.

Associates

El Dorado County Water
Agency
Placer County
Sacramento Area Flood
Control Agency
Sacramento Municipal Utility
District
Sacramento Regional County
Sanitation District

Please feel free to contact Rob Swartz of my staff (916-967-7692 or rschwartz@rwah2o.org) if you need any additional information.

Sincerely,

John Woodling
Executive Director

cc: Liz Mansfield, Sierra Water Workgroup
Tony Firenzi, Placer County Water Agency

April 3, 2017

Department of Water Resources, Financial Assistance Branch
P.O. Box 94236
Sacramento, California 94236



RE: Support Letter for the Sierra Institute to be the applicant for the Proposition I
Disadvantaged Community Involvement grant for the Mountain Counties Funding Area

Dear DWR IRWM staff:

This letter is submitted on behalf of the Cosumnes, American, Bear, Yuba (CABY) Integrated Regional Water Management Group (IRWM) to demonstrate support for the Sierra Institute for Community and Environment (SI) to serve as the applicant for the Disadvantaged Community Involvement Program grant for the Mountain Counties Funding Area (MCFA).

In 2016 the Sierra Water Workgroup convened an open, collaborative process for representatives from the Regional Water Management Groups, tribes, community-based organizations and stakeholders within the MCFA to discuss and develop a Request for Qualifications selection process for an Applicant/grant manager. CABY appointed the two of us to serve as their representatives to the MCFA Disadvantaged Community Coordinating Committee (DAC CC). The SI application was supported by CABY on a consensus vote.

The Sierra Institute was selected because of their extensive experience and qualifications. For over two decades SI has worked successfully with collaborative groups, community groups, water organizations, and agencies directly involved with addressing water management needs of disadvantaged and underrepresented communities.

Please contact us if you have any questions regarding our support for the Sierra Institute's involvement in this grant process.

Sincerely,

Elizabeth Martin
Co-Representative
CABY IRWM to MCFA DAC CC
CEO
The Sierra Fund
(530) 265-8454 x211
lizzy.martin@sierrafund.org

Shelly Covert
Co-Representative
CABY IRWM to MCFA DAC CC
Secretary
Nevada City Rancheria Tribal Council
(530) 570-0846
Nevadacityrancheria@live.com

**Memorandum of Understanding among and between
the CABY Regional Entity and Regional Water Authority
with Respect to Coordination of Water Management Planning**

Whereas CABY was formed to identify and address the unique water related objectives in the foothill and western Sierra portions of the Cosumnes, American, Bear, and Yuba River watersheds,

Whereas the CABY regional planning effort includes the participation of a broad group of stakeholders,

Whereas CABY adopted an Integrated Regional Water Management Plan (IRWMP) in December 2006,

Whereas the CABY watersheds provide supplies of high quality water to users in the western Sierra Nevada, the foothills, the Sacramento Valley, and throughout the state of California,

Whereas the Regional Water Authority, Sacramento County Water Agency, and Freeport Regional Water Authority collaborated to develop the American River Basin (ARB) Integrated Regional Water Management Plan to address water supply, water quality, and environmental stewardship for the lower American and Cosumnes River basins,

Whereas the ARB IRWM plan is founded on the Sacramento Water Forum Agreement, a collaborative stakeholder-based process to implement the two coequal objectives of providing a reliable water supply for planned development to the year 2030 and protecting and preserving the lower American River,

Whereas the ARB IRWM planning effort includes participation of a broad group of stakeholders,

Whereas the CABY entity and RWA recognize their regions have unique issues of concern to their respective stakeholders,

Whereas the parties also recognize that important relationships and mutual interests exist between the upper and lower watersheds, and in some cases the objectives of one region are dependent on actions in the other,

Whereas the CABY and ARB regions recognize and respect the unique issues of stakeholders and believe that each respective region is best represented by these distinct stakeholder groups and processes,

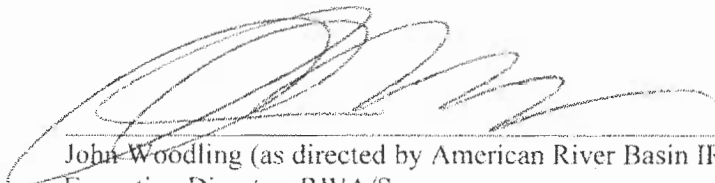
Whereas the CABY and ARB regions believe that management of the combined upper and lower watersheds is enhanced by these distinct, but coordinated efforts,

Whereas the parties recognize the need to update both the American River Basin and CABY IRWM plans,

Therefore be it resolved that the parties will work collaboratively to plan for the management of the water resources of the Cosumnes and American, River watersheds and West Placer County streams from the headwaters to the mouth. The parties agree to the principles and actions contained in Attachment A to this agreement.

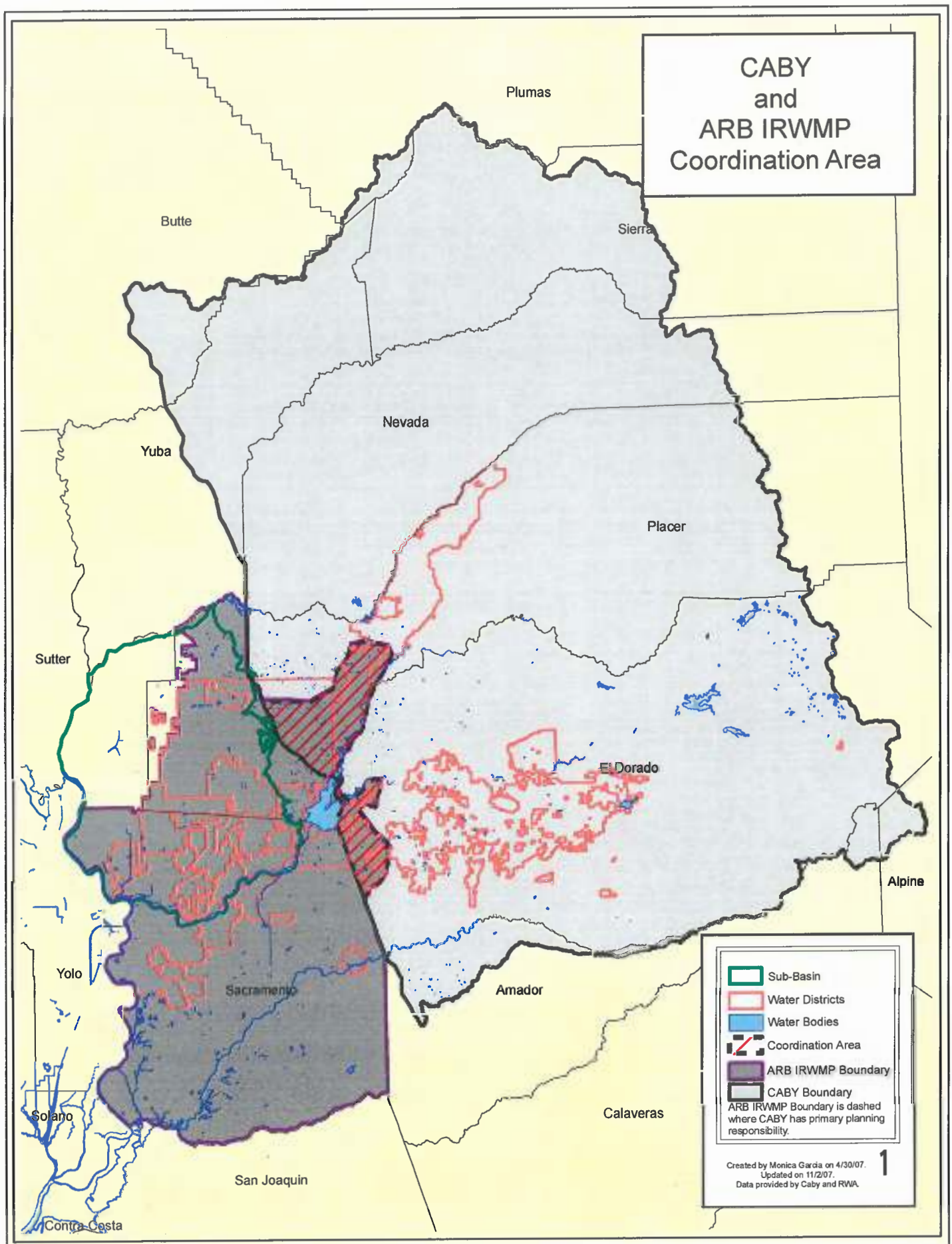
Katie Burdick (5/22/09)

Katie Burdick (as directed by the CABY Planning Committee)
Executive Director, Cosumnes American Bear Yuba IRWMP

 5/29/09
John Woodling (as directed by American River Basin IRWMP/RWMG)
Executive Director, RWA/Sac

ATTACHMENT A
Principles of Agreement

1. The collaborative regional planning processes in the CABY and ARB regions will continue independently; however representatives from each region will actively participate in each IRWMP's regional process.
2. Geographic boundaries of each regional planning effort will be as shown in the attached map. (CABY will revise the map.)
3. In the areas of intentional overlap between the two regions, the entities may partner to propose partners, studies, or other actions (such as those related to water supply, water quality, instream flows, or watershed protection) that benefit both regions.
4. Each region will share technical information with the other.
5. The two regions may have some common member entities that span the boundary between the regional planning efforts.
6. The cross representation and common members of the two regional planning efforts will strive to identify opportunities for mutually beneficial projects as well as identify and resolve potential conflicts.
7. Each region will support the efforts of the other to seek funding for priority actions.
8. The CABY and ARB efforts may also identify and collaborate on interests that are more functionally-based as opposed to regionally-based. For example, the entities may collaborate on water conservation projects and programs even where no geographic overlap exists. Likewise, a coordinated approach to preservation or restoration of west Placer streams that span both regions may be developed.





BOARD OF SUPERVISORS

Administration Center
25 COUNTY CENTER DRIVE, SUITE 200 - OROVILLE, CALIFORNIA 95965
Telephone: (530) 538-7631

BILL CONNELLY
First District

LARRY WAHL
Second District

MAUREEN KIRK
Third District

STEVE LAMBERT
Fourth District

DOUG TEETER
Fifth District

May 23, 2017

Department of Water Resources, Financial Assistance Branch
P.O. Box 94236
Sacramento, California 94236

RE: Support Letter for the Sierra Institute Proposition 1 Disadvantaged Community Involvement (DAC) grant application for the Mountain Counties Funding Area

Dear IRWM staff:

This letter is submitted on behalf of the County of Butte portion of the Upper Feather River Integrated Regional Water Management Group to demonstrate support for the Sierra Institute as the applicant for the Disadvantaged Community Involvement Program grant for the Mountain Counties Funding Area (MCFA).

The Proposition 1 DAC funding guidelines only allow for one application per funding area. Therefore, in 2016 the Sierra Water Workgroup convened an open, collaborative process for representatives from the Regional Water Management Groups, tribes, community-based organizations and stakeholders within the MCFA to discuss and develop a Request for Qualifications selection process for an applicant/grant manager.

The Sierra Institute was selected because of their extensive experience and qualifications. For over two decades the Sierra Institute has worked successfully with collaborative groups, community groups, water organizations, and agencies directly involved with addressing water management needs of disadvantaged and underrepresented communities.

Please contact Vickie Newlin, Assistant Director Water and Resource Conservation, at vnewlin@buttecounty.net if you have any questions regarding our support for the Sierra Institute's involvement in this grant process.

Sincerely,

Bill Connelly, Chair
Butte County Board of Supervisors



Water and Resource Conservation

Paul Gosselin, Director

308 Nelson Avenue
Oroville, California 95965

T: 530.538.4343
F: 530.538.3807

buttecounty.net/waterresourceconservation
bcwater@buttecounty.net

June 15, 2017

Craig Cross
Department of Water Resources
Financial Assistance Branch
P.O. Box 94236
Sacramento, CA 94236

In Re: Support Letter for the Sierra Institute Proposition 1 Disadvantaged Community Involvement (DAC) grant application for the Mountain Counties Funding Area

Dear Mr. Cross:

The County of Butte has submitted a letter of support dated May 23, 2017 in support of the Sierra Institute serving as the applicant for the submittal of the Disadvantaged Community Involvement Program grant for the Mountain Counties Funding Area.

Butte County in its entirety is a part of the Northern Sacramento Valley (NSV IRWM). The northeastern portion of the county is included in the Upper Feather River Integrated Regional Water Management Group (UFR IRWM), and therefore a part of the Mountain Counties Funding Area. Butte is participating in the DAC program for both IRWM areas, but specifically for the Mountain Counties overlay in the areas included in the UFR IRWM.

Per the By-Laws of the NSV IRWM, which includes six Sacramento Valley counties, each county has independent authority for their jurisdiction. This provides the County of Butte the authority to participate in both DAC applications, absent a vote by the full NSV IRWM Board. For this reason, it is appropriate that the letter of support came from the County of Butte. Also, if you look at the map for the DAC funding areas, Mountain County overlay includes this portion of Butte County and the Sacramento River funding area does not.

For the reasons listed above, please accept the letter of support from the Butte County Board of Supervisors, as a member of the NSV IRWM, as the appropriate entity to issue such support.

If you have any questions regarding this letter, please feel free to contact Vickie Newlin at (530) 538-2179 or vnewlin@buttecounty.net.

Sincerely,

Paul Gosselin, Director
Water and Resource Conservation



Madera Region Regional Water Management Group

April 10, 2017

Department of Water Resources
Financial Assistance Branch
Post Office Box 9436
Sacramento, CA 94236

RE: Support Letter for the Sierra Institute to be the Applicant for the Proposition 1
Disadvantaged Community Involvement Grant for the Mountain Counties Funding Area

Dear IRWM Staff:

This letter is being submitted on behalf of the Madera Regional Water Management Group to demonstrate support for the Sierra Institute as the applicant for the Disadvantaged Community Involvement Program grant for the Mountain Counties Funding Area (MCFA).

In 2016, the Sierra Water Workgroup and the Mountain Counties Collaborative Committee convened an open, collaborative process for representatives from the Regional Water Management Groups, tribes, community-based organizations, and stakeholders within the MCFA to discuss and develop a Request for Qualifications selection process for an Applicant/Grant manager.

The Sierra Institute was selected because of their extensive experience and qualifications. For over two decades Sierra Institute has worked successfully with collaborative groups, community groups, water organizations, and agencies directly involved with addressing water management needs of disadvantaged and underrepresented communities.

Please contact us if you have any questions regarding our support for the Sierra Institute's involvement in this grant process.

Sincerely,

A handwritten signature in blue ink, appearing to read "Tom Wheeler", is positioned above the printed name.

Tom Wheeler
President, Madera
Regional Water Management Group



Upper Mokelumne River Watershed Authority

15083 Camanche Parkway South • Valley Springs, CA 95252
Telephone: (209) 772-8340 Fax: (209) 772-8264

March 21, 2017

Integrated Regional Water Management
Financial Assistance Branch
Department of Water Resources
P.O. Box 94236
Sacramento, California 94236

RE: Letter supporting the Sierra Institute to be the applicant for the Proposition 1 Disadvantaged Community Involvement grant for the Mountain Counties Funding Area

Dear IRWM Staff:

On behalf of the Mokelumne-Amador-Calaveras (MAC Region) Integrated Regional Water Management Group and UMRWA, as the governance structure, we support the Sierra Institute (SI) as the applicant for the Prop. 1 Disadvantaged Community Involvement Program grant for the Mountain Counties Funding Area (MCFA).

In 2016, following a meeting of Regional Water Management Groups, tribes, community-based organizations and stakeholders within the MCFA, a Coordinating Committee of the IRWM's was formed and chartered, and we issued an RFQ to solicit interest and qualifications from stakeholders in applying for the DWR RFP for the Prop. 1 IRWM DAC Involvement Program Grant. As a result of our RFQ, the Sierra Institute was selected to apply for this grant by the Coordinating Committee because of their experience and qualifications in the subject area. Our RWMG supports this selection.

Please contact me if you have any questions regarding our support for the Sierra Institute's involvement in this grant process.

Sincerely,

Richard Farrington
UMRWA Director & RWMG Representative
Email: richfarrington@yahoo.com
(25) 216-9491

Cc Rob Alcott, UMRWA Executive Officer

Members

Alpine County • Alpine County Water Agency • Amador County • Amador Water Agency • Calaveras County • Calaveras County Water District •
Calaveras Public Utility District • East Bay Municipal Utility District • Jackson Valley Irrigation District



**YOSEMITE-MARIPOSA INTEGRATED
REGIONAL WATER MANAGEMENT GROUP**

P.O. Box 746, Mariposa, CA 95338
(559)580-0944

June 16, 2017

Department of Water Resources
Financial Assistance Branch
P.O. Box 94236
Sacramento, California 94236

RE: Support Letter for the Sierra Institute to be the Applicant for the Proposition 1
Disadvantaged Community Involvement Grant for the Mountain Counties Funding Area

Dear IRWM staff:

The Yosemite-Mariposa Integrated Regional Water Management Group supports the Sierra Institute (SI) as the Applicant for the Disadvantaged Community Involvement Program grant for the Mountain Counties Funding Area (MCFA).

In 2016, the Sierra Water Workgroup convened an open, collaborative process for representatives from the Regional Water Management Groups, tribes, community-based organizations, and stakeholders within the MCFA to discuss and develop a Request for Qualifications selection process for an Applicant/grant manager.

The Sierra Institute was selected because of their extensive experience and qualifications. For over two decades, SI has worked successfully with collaborative groups, community groups, water organizations, and agencies directly involved with addressing water management needs of disadvantaged and underrepresented communities.

Please contact us if you have any questions regarding our support for the Sierra Institute's involvement in this grant process.

Sincerely,

Melinda Barrett

Melinda Barrett
Program Manager
Yosemite-Mariposa Integrated Water Management



TUOLUMNE-
STANISLAUS
INTEGRATED
REGIONAL WATER
MANAGEMENT
AUTHORITY

The T-S IRWMA is governed by a Board of Directors who provide the majority of funding for operation of the Authority. Board decisions are informed by recommendations from the Watershed Advisory Committee (WAC) consisting of representatives from approximately twenty organizations and agencies.

Board Members:
Calaveras County Water District
City of Angels Camp
Murphys Sanitary District
Tuolumne County
Tuolumne Utilities District
Twain Harte Community Services District

March 23, 2017

Department of Water Resources, Financial Assistance Branch
Attention: Mr. Craig Cross
P.O. Box 94236
Sacramento, CA 94236

RE: Support Letter for Sierra Institute as Applicant for the Proposition One Disadvantaged Community Involvement Proposal for the Mountain Counties Funding Area

Dear Mr. Cross:

This letter is submitted on behalf of the **Tuolumne-Stanislaus Integrated Regional Water Management Authority** to demonstrate support for the Sierra Institute (SI) as the applicant for the Disadvantaged Community Involvement Program proposal for the Mountain Counties Funding Area (MCFA).

IN 2016, the MCFA representatives and DWR staff convened to discuss the Prop One DAC Involvement Program and the selection process for an Applicant/Grant Manager. This first meeting started an open, collaborative process for representatives from Integrated Regional Water Management groups, Tribes, community-based organizations and other stakeholders within the MCFA to develop the MCFA DAC Coordinating Committee Charter. The groups continued to meet, discuss, and create a "Request for Qualifications" selection process for an Applicant/Grant Manager.

SI was selected because of their extensive experience and qualifications. For over two decades, SI has worked successfully with collaborative groups, community groups, water organizations, and agencies directly involved with addressing water management needs of disadvantaged and underrepresented communities.

Please contact me if you have any questions regarding the T-Stan IRWMA support for SI's involvement in this program.

Sincerely,

Terry Strange
T-Stan IRWMA Board Chair

Upper Feather River Integrated Regional Water Management Group

555 Main Street | Quincy, CA | 95971 | (530) 283-6214 | <http://featherriver.org> | ufr.contact@gmail.com

April 27, 2017

Department of Water Resources, Financial Assistance Branch
P.O. Box 94236
Sacramento, California 94236

RE: Support Letter for the Sierra Institute to be the applicant for the Proposition 1 Disadvantaged Community Involvement grant for the Mountain Counties Funding Area

Dear IRWM staff:

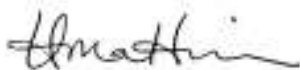
This letter is being submitted on behalf of the Upper Feather River Integrated Regional Water Management Group to demonstrate support for the Sierra Institute (SI) as the applicant for the Disadvantaged Community Involvement Program grant for the Mountain Counties Funding Area (MCFA).

In 2016 the Sierra Water Workgroup convened an open, collaborative process for representatives from the Regional Water Management Groups, tribes, community-based organizations and stakeholders within the MCFA to discuss and develop a Request for Qualifications selection process for an Applicant/grant manager.

The Sierra Institute was selected because of their extensive experience and qualifications. For over two decades SI has worked successfully with collaborative groups, community groups, water organizations, and agencies directly involved with addressing water management needs of disadvantaged and underrepresented communities.

Please contact us if you have any questions regarding our support for the Sierra Institutes involvement in this grant process.

Sincerely,



Uma Hinman
Upper Feather River IRWM Coordinator

On Behalf of:
Sharon Thrall, Chair
Upper Feather River Integrated Regional Water Management Group

June 20, 2017

Department of Water Resources, Financial Assistance Branch
P.O. Box 94236
Sacramento, California 94236

RE: Support Letter for the Sierra Institute to act as applicant for the Proposition 1
Disadvantaged Community Involvement grant for the Mountain Counties Funding Area

Dear IRWM staff:

This letter is being submitted on behalf of the **Yuba County Integrated Regional Water Management Group** to provide support for the Sierra Institute (SI) to act as the applicant for the Disadvantaged Community Involvement Program grant for the Mountain Counties Funding Area (MCFA).

In 2016, the Sierra Water Workgroup convened an open, collaborative process for representatives from the Regional Water Management Groups, tribes, community-based organizations and stakeholders within the MCFA to discuss and develop a Request for Qualifications selection process for an Applicant/grant manager.

The Sierra Institute was selected because of their extensive experience and qualifications. For over two decades, SI has worked successfully with collaborative groups, community groups, water organizations, and agencies directly involved with addressing water management needs of disadvantaged and underrepresented communities.

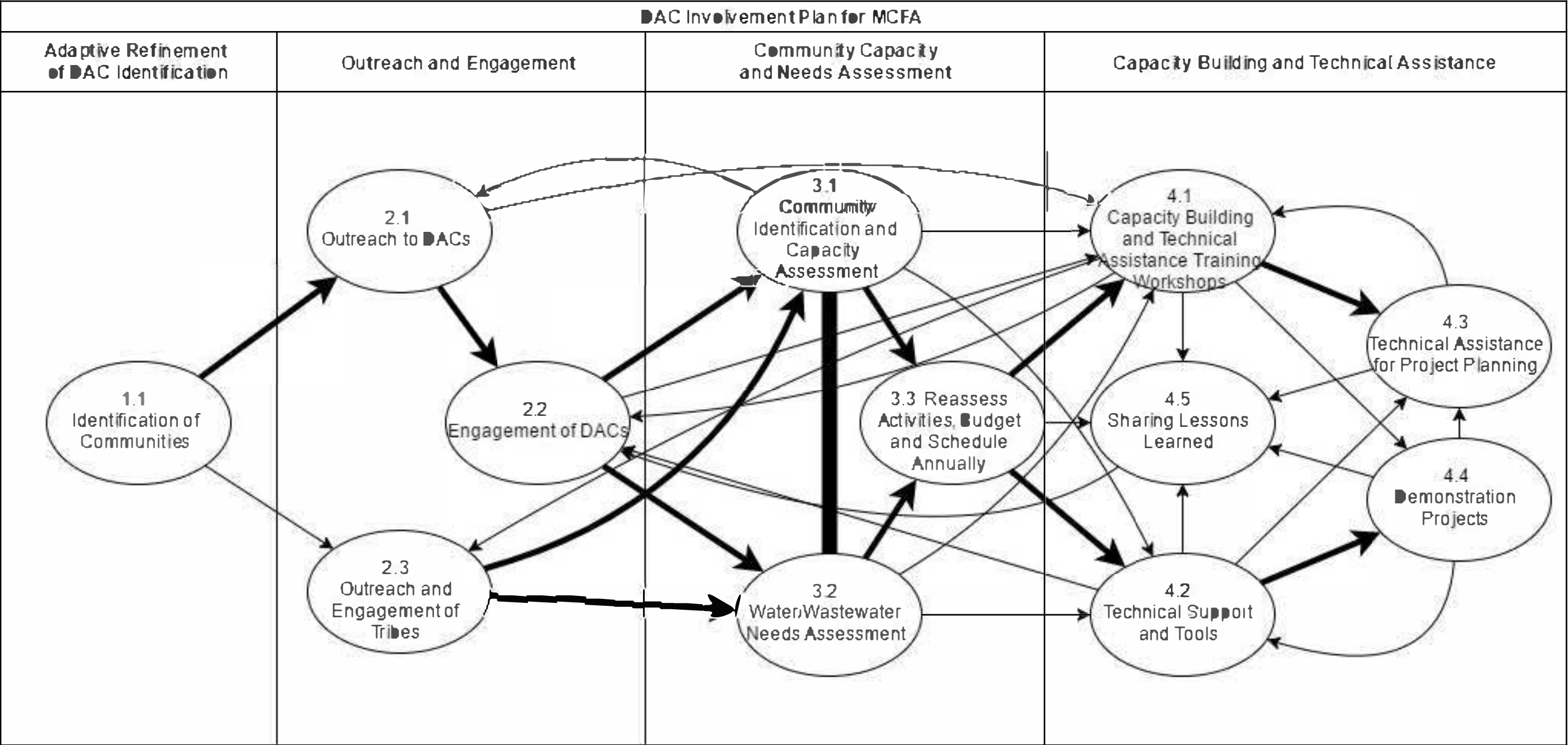
Please contact us if you have any questions regarding our support for the Sierra Institutes involvement in this grant process.

Sincerely,



Katie Burdick
Representative for the Yuba County IRWM - Regional Water Management Group

Appendix B:
Conceptual Diagram of Project Tasks



Appendix C:

DAC Identification: A Comprehensive Approach to Identifying Disadvantaged Communities

The proposed methodology consists of a comprehensive assessment of disadvantaged communities in the Mountain County Funding Area through a combination of socioeconomic and community capacity measure supplemented by local knowledge. Disadvantaged communities include not only those with low median income, but also those that are underserved, underrepresented, with low socioeconomic conditions identified by multiple measures, and low capacity. The methodology is based on a peer-reviewed and successfully executed Sierra Nevada Ecosystem Project (SNEP).¹ The SNEP methodology created a systematic approach to understanding community well-being through the development of a unit of analysis that focuses on and isolates communities in the region. Further developed and adapted by the Socioeconomic Indicators for Watershed Study, this methodology has been used in the Mountain Counties Funding Areas (MCFA) of Mariposa.²

Community units with capacity and socioeconomic measurements will be a result of this work. Communities are not only composed of and sustained by individuals, but individuals are in turn influenced by their communities. Therefore, community in this study is considered a place-based collection of individuals. Community identification criteria follows this understanding of community.

The preliminary step of this methodology is to identify a socially relevant unit of analysis with consistent data that are readily available across the entire MCFA. Five socioeconomic measures from the American Community Survey 5-year estimate (2011-2015) were selected as the principle source of secondary data. Census data is used as it provides consistent measures across the region. Blok group units are chosen as they are at a more socially relevant scale for community identification compared with census-designated places, census tracts, and county level data. County level data is too high level, heterogeneous and does not appropriately exemplify social communities. The same is true, although to a slightly lesser degree, to census tracts. Census-designated places (CDPs), a statistical counterpart to incorporate places, often omit populations that are more disperse, as seen throughout much of the MCFA.

Socioeconomic indicators included in the study are: educational attainment, unemployment, public assistance, home ownership, and median household income. Educational attainment information includes the percent of the population over 25 who have 1) less than a ninth grade education; 2) some high school education (no diploma); 3) high school diploma, GED or equivalent; 4) some college; 5) associate's degree; 6) bachelor's or higher. Unemployment includes the percentage of people in the labor force (including armed forces) who are unemployed. Public assistance is the percentage of households that receive any public assistance

¹ Sierra Nevada Ecosystem Project: Final report Congress, vol. II, Assessments and scientific basis for management options. Davis: University of California, Centers for Water and Wildland Resource, 1996.

² Moote, A and Kusel, J. 2010. Socioeconomic Indicators for Watershed with application in Mariposa County, California. Sierra Institute for Community and Environment.

income. Home ownership is the percentage of homes that are occupied by the owner. Lastly, a measure of median household income is included. These measures will be combined into a single socioeconomic scale. The socioeconomic indicators address many of the concerns brought forth by IRWM representatives in the Mountain Counties Funding Area. Multiple socioeconomic indicators are used to overcome limitations of any single indicator and provide a more robust approach to DAC identification.

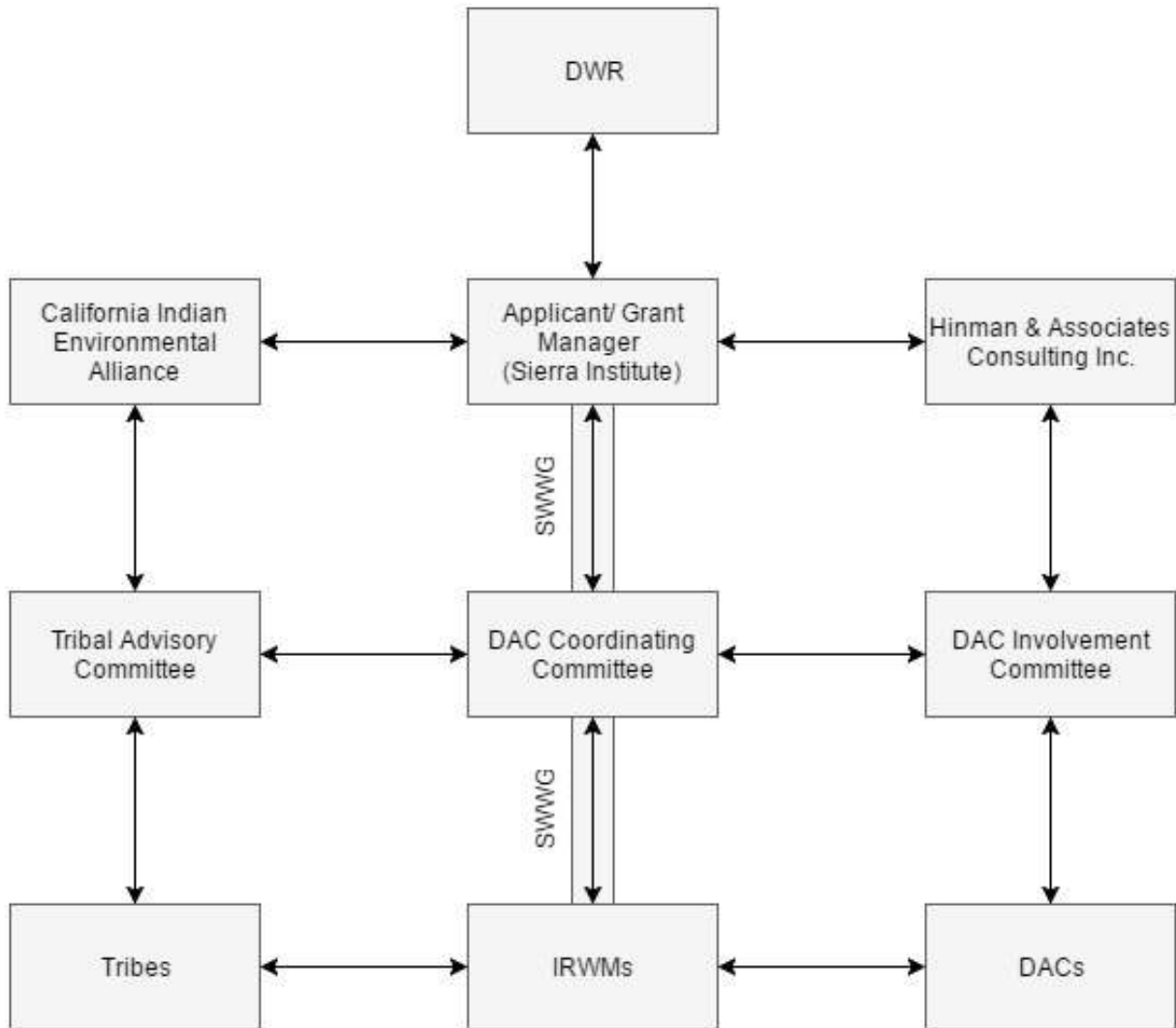
Census block groups are a starting point for community identification and are aggregated to form meaningful locally defined social units, “communities.” Communities are developed through an iterative process with input from local experts throughout the MCFA. Indicators will be mapped to identify community trends and brought to workshops around the Mountain Counties Funding Area for analysis and the incorporation of local knowledge from local experts identified through outreach activities (See Activity 2).

Preliminary aggregations to form “communities” will be informed by previous MCFA work including SNEP results, socioeconomic data associated with census block groups, and preliminary conversations with representatives from each IRWM. The following criteria will be used to develop community aggregations:

- 1) Community aggregations are developed from one or more block groups that are spatially adjacent or linked to one another.
- 2) Community aggregations are formed from block groups in which the majority of the population has an association with a single community.
- 3) Aggregations should contain a minimum population of 500, although there will be exceptions. If there are distinct communities, aggregations of adjacent areas will not be made in order to maintain these distinctions when possible.
- 4) When more than one community is aggregated, aggregations will consider shared common service centers, community service districts, and/or school systems.
- 5) Block groups with small, dispersed populations that do not conform to a single community are aggregated when similar characteristics such as demographics are shared or other determinants using local knowledge.
- 6) If there are adjacent block groups with differing populations that do not fall under the aforementioned criteria, separate units are maintained to ensure diversity is depicted.
- 7) Geographic features will aid in aggregations when numerous small communities or areas have no clearly identifiable communities.

Prior to conducting workshops throughout the MCFA, a pilot workshop will be conducted in order to refine the approach as necessary. Workshops will consist of a series of two-parts and will be held throughout the MCFA. Part I will consist of two components: 1) delineation of communities with local knowledge, 2) assessment of community capacity. This will target a diverse set of local experts. Part II will be a water/wastewater needs assessment that will target local service providers, and will include other participants as appropriate.

Appendix D: Proposed Communication Structure



Appendix E:
Socioeconomic Indicators of CDPs in Mountain Counties Funding Area
This list does not include all disadvantage communities

				Income			Density		Employment		Education
Place Name	IRWM	Pop	Households	Median Household Income	DAC Place	EDA Place	Pop Density (person/sq.mi.)	Low Pop Place	Unemployment Rate (EDD-2015)	Unemployment Places	Percent Completed High School
Ahwahne CDP	Madera	2165	905	59129			216		0	yes	92.5
Alleghany CDP	CABY	115	43	37663	yes	yes	330		0	yes	81.9
Almanor CDP	UFR	0	0	0	yes	yes	0	yes	0	yes	-
Alta CDP	CABY	369	154	55833			155		0	yes	95
Alta Sierra	CABY	6911	2998	61167							96.7
Amador City	MAC	164	86	48750	yes	yes	523		4.4		95.6
Angels city	MAC, T-S	3782	1798	55114			1042		0	yes	91.2
Arnold	MAC, T-S	3843	5118	52034							92.2
Auberry CDP	Madera, S Sierra	2347	915	50221		yes	123		3.9		85.6
Auburn	CABY	13785	6379	53984							93.1
Auburn Lake Trails CDP	CABY	3839	1366	93833			302		0	yes	97.7
Avery CDP	MAC, T-S	674	299	31719	yes	yes	150		6.7		88.9
Bangor CDP	NSV, Yuba	575	234	39500	yes	yes	43	yes	0	yes	92.5
Bass Lake CDP	Madera	570	249	36250	yes	yes	296		0	yes	98.4
Beale AFB CDP	Yuba	1342	363	42904	yes	yes	133		6.5		93.6
Bear Valley CDP (Alpine County)	T-S	43	19	75179			8	yes	0	yes	100
Bear Valley CDP (Mariposa County)	Y-M	201	92	16042	yes	yes	28	yes	0	yes	100
Beckwourth CDP	UFR	290	170	52609			25	yes	15.3	yes	86.6
Belden CDP	UFR	46	30	0	yes	yes	75	yes	0	yes	-
Berry Creek CDP	NSV, UFR	1292	555	41287	yes	yes	23	yes	0	yes	82.3
Big Creek CDP	S Sierra	201	85	82917			437		0	yes	98.3
Blairsden CDP	UFR	35	26	11250	yes	yes	65	yes	0	yes	100

Bonadelle Ranchos-Madera Ranchos	Madera	8866	2924	72398							90.9
Bootjack CDP	Y-M	959	365	41683	yes	yes	137		15.7	yes	94.7
Buck Meadows CDP	T-S, Y-M	50	23	0	yes	yes	29	yes	0	yes	100
Buckhorn CDP	MAC	2503	1110	49583		yes	426		0	yes	90
Bucks Lake CDP	UFR	14	9	0	yes	yes	1	yes	0	yes	100
Calpine CDP	UFR	189	99	25938	yes	yes	266		0	yes	100
Cameron Park	CABY	1943 7	7686	75073							92.9
Camino CDP	CABY	1833	737	72383			815		0	yes	94.5
Camptonville CDP	CABY, Yuba	150	84	28750	yes	yes	176		0	yes	89.1
Canyondam CDP	UFR	78	49	0	yes	yes	101		6.9		62.7
Caribou CDP	UFR	0	0	0	yes	yes	0	yes	0	yes	-
Catheys Valley CDP	Y-M	878	396	51528		yes	37	yes	0	yes	89.8
Cedar Ridge CDP	T-S	1132	491	54271			145		0	yes	92.1
Challenge - Brownsville CDP	CABY, Yuba	952	408	47959	yes	yes	98	yes	14.6	yes	95
Cherokee CDP	NSV, UFR	80	32	36875	yes	yes	46	yes	0	yes	100
Chester CDP	UFR	1978	829	40417	yes	yes	271		6.4		93
Chilcoot-Vinton CDP	UFR	130	37	0	yes	yes	10	yes	22.7	yes	67.4
Chinese Camp CDP	T-S	99	50	24722	yes	yes	110		33.3	yes	66.7
Clear Creek CDP	UFR	182	87	33021	yes	yes	161		0	yes	84.3
Clio CDP	UFR	49	25	75313			85	yes	0	yes	74.5
Clipper Mills CDP	CABY, NSV, UFR, Yuba	0	0	0	yes	yes	0	yes	0	yes	50
Clovis	S Sierra	1004 37	36270	62666							88.9
Coarsegold CDP	Madera	1172	625	30216	yes	yes	107		0	yes	88.6
Cold Springs CDP (El Dorado County)	CABY	623	207	49150	yes	yes	825		0	yes	100
Cold Springs CDP (Tuolumne County)	T-S	193	115	34963	yes	yes	111		0	yes	97

Colfax city	CABY	2424	969	46902	yes	yes	1724		8.3	yes	93.6
Coloma CDP	CABY	761	345	65426			227		0	yes	93.2
Columbia CDP	T-S	2456	1011	40313	yes	yes	412		18	yes	90.3
Concow CDP	NSV, UFR	539	262	34773	yes	yes	20	yes	3.9		92.7
Copperopolis	T-S	4396	2511	60568							94
Coulterville CDP	Y-M	227	130	45000	yes	yes	54	yes	0	yes	100
Crescent Mills CDP	UFR	426	137	31655	yes	yes	100	yes	0	yes	86.3
C-Road CDP	UFR	213	82	78796			80	yes	28.8	yes	100
Cromberg CDP	UFR	172	128	32188	yes	yes	19	yes	37.1	yes	91.7
Delleker CDP	UFR	798	296	30878	yes	yes	289		0.9		77.8
Diamond Springs	CABY	12459	4787	53079							87.1
Dobbins CDP	CABY, Yuba	658	262	35469	yes	yes	85	yes	0	yes	90.9
Dorrington CDP	MAC, T-S	349	181	81477			96	yes	0	yes	91.7
Downieville CDP	CABY	233	107	54196			73	yes	0	yes	100
Drytown CDP	CABY, MAC	148	51	77188			40	yes	0	yes	35.8
Dutch Flat CDP	CABY	132	72	54000			223		0	yes	100
East Quincy CDP	UFR	2633	1127	51045		yes	217		14.5	yes	92.2
East Shore	UFR	225	245	60625							56.5
East Sonora CDP	T-S	2168	1156	43484	yes	yes	876		0	yes	89.9
El Dorado Hills	CABY	43264	14741	119452							96.9
El Portal CDP	Y-M	601	230	102872			584		0	yes	100
Fiddletown CDP	CABY, MAC	86	52	42500	yes	yes	19	yes	0	yes	84.3
Fish Camp CDP	Y-M	44	29	0	yes	yes	49	yes	0	yes	100
Folsom	CABY	74156	26875	100978							92.4
Forbestown CDP	CABY, NSV, UFR, Yuba	450	132	63676			72	yes	0	yes	85.1
Forest Meadows	MAC, T-S	1568	840	59306							91.1
Foresthill CDP	CABY	1345	578	34821	yes	yes	120		8		83
Friant CDP	S Sierra	263	181	18884	yes	yes	210		40.6	yes	77
Georgetown CDP	CABY	2458	892	46136	yes	yes	162		9.2	yes	87.8
Gold Mountain CDP	UFR	22	12	0	yes	yes	4	yes	0	yes	100

Goodyear s Bar CDP	CABY	23	23	0	yes	yes	11	yes	0	yes	100
Gracagle CDP	UFR	546	317	54688			49	yes	10.3	yes	92.6
Granite Bay	CABY	2238 7	7977	112718							97.6
Granitevil le CDP	CABY	0	0	0	yes	yes	0	yes	0	yes	-
Grass Valley city	CABY	1286 1	5980	33325	yes	yes	2712		5.9		88.7
Greeley Hill CDP	T-S, Y- M	566	247	30766	yes	yes	27	yes	0	yes	76.4
Greenhor n CDP	UFR	182	138	58023			27	yes	1.2		92.9
Greenville CDP	UFR	950	455	30766	yes	yes	119		7		82.3
Grizzly Flats CDP	CABY	771	246	56250			116		0	yes	92.9
Groveland CDP	T-S	725	337	31932	yes	yes	76	yes	0	yes	76.3
Hamilton Branch CDP	UFR	634	271	60268			584		16.8	yes	95.2
Hornitos CDP	Y-M	56	16	0	yes	yes	48	yes	0	yes	100
Indian Falls CDP	UFR	23	15	0	yes	yes	12	yes	0	yes	100
Ione city	MAC	7318	1397	50617		yes	1592		6.8		88.5
Iron Horse CDP	UFR	343	98	97829			44	yes	11.4	yes	82.7
Jackson city	MAC	4616	1818	41745	yes	yes	1238		9	yes	92.3
Jamestow n CDP	T-S	3394	1537	38488	yes	yes	1133		8.3	yes	93.9
Janesville CDP	UFR	1474	498	73617			112		0	yes	92.4
Johnsville CDP	UFR	35	21	0	yes	yes	3	yes	0	yes	100
Keddie CDP	UFR	89	37	83594			138		0	yes	100
Kelly Ridge CDP	NSV, UFR	2594	1242	38645	yes	yes	1329		0	yes	91.9
Kingvale CDP	CABY	177	73	63295			184		0	yes	100
Kirkwood CDP	CABY, MAC	98	23	39375	yes	yes	22	yes	0	yes	100
La Porte CDP	CABY, UFR	12	12	0	yes	yes	3	yes	4.9		-
Lake Almanor Country Club CDP	UFR	530	334	74286			193		21.1	yes	98.8
Lake Almanor Peninsula	UFR	485	543	67250							95.8
Lake Almanor West CDP	UFR	263	141	113819			115		12.2	yes	100
Lake Davis CDP	UFR	45	30	0	yes	yes	8	yes	0	yes	50
Lake Don Pedro CDP	T-S, Y- M	995	414	71970			79	yes	0	yes	88.4

Lake of the Pines	CABY	3627	1794	75274							96.8
Lake Wildwood	CABY	5375	2737	63271							95.5
Lincoln		4503 8	17913	72399							93
Little Grass Valley CDP	CABY, UFR	0	0	0	yes	yes	0	yes	0	yes	-
Loma Rica	CABY, NSV, Yuba	2584	1087	62404							91.3
Long Barn CDP		291	129	24388	yes	yes	101		0	yes	100
Loomis	CABY	6648	2482	89706							96.4
Loyalton city	UFR	874	336	43000	yes	yes	2459		9.6	yes	91.1
Mabie CDP	UFR	52	38	0	yes	yes	14	yes	0	yes	100
Magalia CDP	NSV, UFR	1146 7	4855	39514	yes	yes	818		10.8	yes	89.2
Mammoth Lakes town	S Sierra	8154	2691	60984			328		11.3	yes	82.3
Mariposa CDP	Y-M	1524	692	34881	yes	yes	502		2.7		78
Martell CDP	MAC	94	85	13508	yes	yes	40	yes	0	yes	100
Meadow Valley CDP	UFR	435	194	51944		yes	51	yes	26.3	yes	97.5
Meadow Vista	CABY	3129	1355	77228							94.1
Midpines CDP	Y-M	689	343	41063	yes	yes	28	yes	0	yes	94.6
Mi-Wuk Village CDP	T-S	1069	414	49458		yes	385		16.1	yes	90.4
Mohawk Vista CDP	UFR	109	58	58500			9	yes	6.6		100
Mokelumne Hill CDP	MAC	635	280	62396			206		16.7	yes	100
Mono Vista CDP	T-S	1979	891	46250	yes	yes	698		7.2		91.8
Mountain Ranch CDP	MAC	1369	684	38630	yes	yes	33	yes	0	yes	96.5
Murphys CDP	MAC, T-S	1884	952	46885	yes	yes	183		6		96.5
Nevada City city	CABY	3051	1358	51685		yes	1394		5.3		96.6
Newcastle CDP	CABY	1409	677	45865	yes	yes	589		0	yes	94.9
Nipinnawasee CDP	Madera, Y-M	729	213	66397			236		0	yes	94.9
North Auburn CDP	CABY	1401 1	5123	48052	yes	yes	1794		5		87.5
North San Juan CDP	CABY, Yuba	281	87	27417	yes	yes	116		0	yes	96.6
Oakhurst CDP	Madera	2482	988	39709	yes	yes	414		10.5	yes	91.7

Oroville city	NSV	16015	5666	36581	yes	yes	1210		7		83.6
Oroville East	NSV, UFR	8136	3635	47721							85.8
Palermo CDP	NSV	5419	1871	42371	yes	yes	186		12.5	yes	71.6
Paradise town	NSV, UFR	26246	10917	41482	yes					yes	91.2
Paxton CDP	UFR	0	0	0	yes	yes	0	yes	0	yes	-
Penn Valley CDP	CABY	1599	616	43750	yes	yes	754		4.7		95.8
Penryn CDP	CABY	946	367	80213			518		0	yes	94.8
Phoenix Lake CDP	T-S	4712	1775	75434			428		0	yes	92.9
Pike CDP	CABY, Yuba	126	48	35714	yes	yes	29	yes	0	yes	93.6
Pine Grove CDP	MAC	1865	930	48571	yes	yes	268		0	yes	93.5
Pine Mountain Lake CDP	T-S	2422	1216	51604		yes	128		0	yes	95.7
Pioneer CDP	MAC	1237	577	42614	yes	yes	287		0	yes	89.5
Placerville city	CABY	10415	3998	46199	yes	yes	1792		7		89.2
Plumas Eureka CDP	UFR	265	130	63611			67	yes	10	yes	100
Plymouth city	CABY, MAC	1185	421	44531	yes	yes	1273		6.4		90.8
Pollock Pines CDP	CABY	6540	2699	49044	yes	yes	825		4.2		90.9
Portola city	UFR	2710	1045	34134	yes	yes	501		19.2	yes	83
Prattville CDP	UFR	12	7	0	yes	yes	20	yes	100	yes	100
Quincy CDP	UFR	1439	696	46875	yes	yes	341		6.2		86.5
Rackerby CDP	NSV, Yuba	139	43	48125	yes	yes	47	yes	0	yes	88.1
Rail Road Flat CDP	MAC	369	161	29922	yes	yes	11	yes	0	yes	93.3
Rancho Calaveras CDP	MAC	5736	2094	56607			685		9	yes	92.4
Rancho Murieta	CABY, MAC	5563	2452	105049							97.5
Red Corral CDP	MAC	1601	610	30431	yes	yes	274		0	yes	94.3
River Pines CDP	CABY, MAC	309	97	48285	yes	yes	845		0	yes	92.2
Robinson Mill CDP	CABY, NSV, UFR, Yuba	0	0	0	yes	yes	0	yes	0	yes	-
Rocklin	CABY	59727	22002	80177							95.8
Roseville		126327	48976	75867							94.5

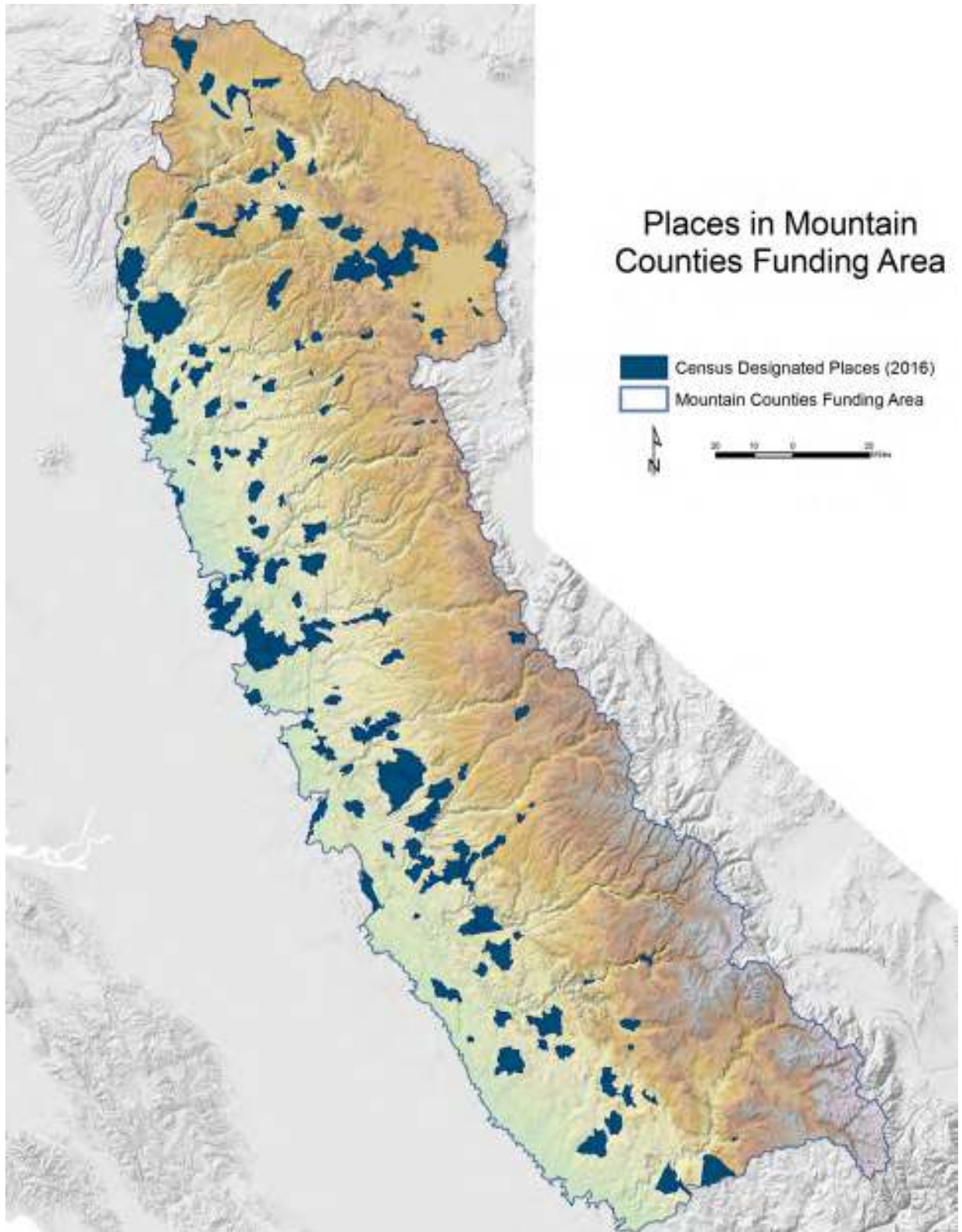
Rough and Ready CDP	CABY	1195	437	42268	yes	yes	377		0	yes	86.9
San Andreas CDP	MAC	2829	1204	40613	yes	yes	338		0	yes	86.3
Sattley CDP	UFR	74	48	0	yes	yes	36	yes	0	yes	100
Shaver Lake CDP	S Sierra	735	299	80481			23	yes	8.8	yes	98.7
Sheridan CDP		1465	415	47719	yes	yes	56	yes	0	yes	78.5
Shingle Springs	CABY	4533	1625	76708							90.2
Sierra Brooks CDP	UFR	418	164	41250	yes	yes	305		0	yes	100
Sierra City CDP	CABY	263	126	123846			122		0	yes	98.2
Sierra Village CDP	T-S	612	273	50024		yes	242		0	yes	91.1
Sierraville CDP	UFR	133	46	32500	yes	yes	26	yes	0	yes	98.1
Smartsville CDP	CABY, Yuba	143	74	26100	yes	yes	199		0	yes	100
Soda Springs CDP	CABY	80	65	28917	yes	yes	238		0	yes	100
Sonora city	T-S	4844	2256	32985	yes	yes	1532		3.4		86.5
Soulsbyville	T-S	2071	887	73656							94.9
South Oroville CDP	NSV	6058	1665	33605	yes	yes	2065		5.3		71.6
Spring Garden CDP	UFR	0	0	0	yes	yes	0	yes	1.5		-
Stirling City CDP	NSV, UFR	154	53	97792			131		0	yes	92.7
Storrie CDP	UFR	0	0	0	yes	yes	0	yes	0	yes	-
Strawberry CDP	T-S	228	76	0	yes	yes	437		0	yes	98.8
Sutter Creek city	MAC	2271	1180	41071	yes	yes	866		3.9		91.8
Taylorville CDP	UFR	185	106	76176			57	yes	7.6		100
Tobin CDP	UFR	12	12	0	yes	yes	2	yes	0	yes	100
Tuolumne City CDP	T-S	1824	875	33030	yes	yes	782		1		93.7
Tuttletown CDP	T-S	949	406	47794	yes	yes	129		0	yes	100
Twain CDP	UFR	0	0	0	yes	yes	0	yes	0	yes	100
Twain Harte CDP	T-S	2374	1125	43625	yes	yes	642		5.9		97.9
Vallecito CDP	T-S	573	182	83487			67	yes	0	yes	100

Valley Ranch CDP	UFR	68	32	115000			60	yes	8		100
Valley Springs CDP	MAC	3631	1327	67827			368		0	yes	93.1
Volcano CDP	MAC	0	0	0	yes	yes	0	yes	0	yes	100
Warner Valley CDP	UFR	5	5	0	yes	yes	0	yes	0	yes	100
Washington CDP	CABY	17	17	0	yes	yes	9	yes	0	yes	25
Wawona CDP	Y-M	167	54	47656	yes	yes	26	yes	0	yes	100
West Point CDP	MAC	743	337	28262	yes	yes	200		2.8		89.5
Westwood CDP	UFR	1509	690	33452	yes	yes	278		12.6	yes	95.1
Whitehawk CDP	UFR	41	22	76944			16	yes	0	yes	77.3
Yankee Hill CDP	NSV, UFR	242	156	33500	yes	yes	40	yes	0	yes	82
Yosemite Lakes CDP	Madera	4668	1708	59750			223		8.8	yes	93.6
Yosemite Valley CDP	Y-M	877	140	37250	yes	yes	426		1.5		90.9

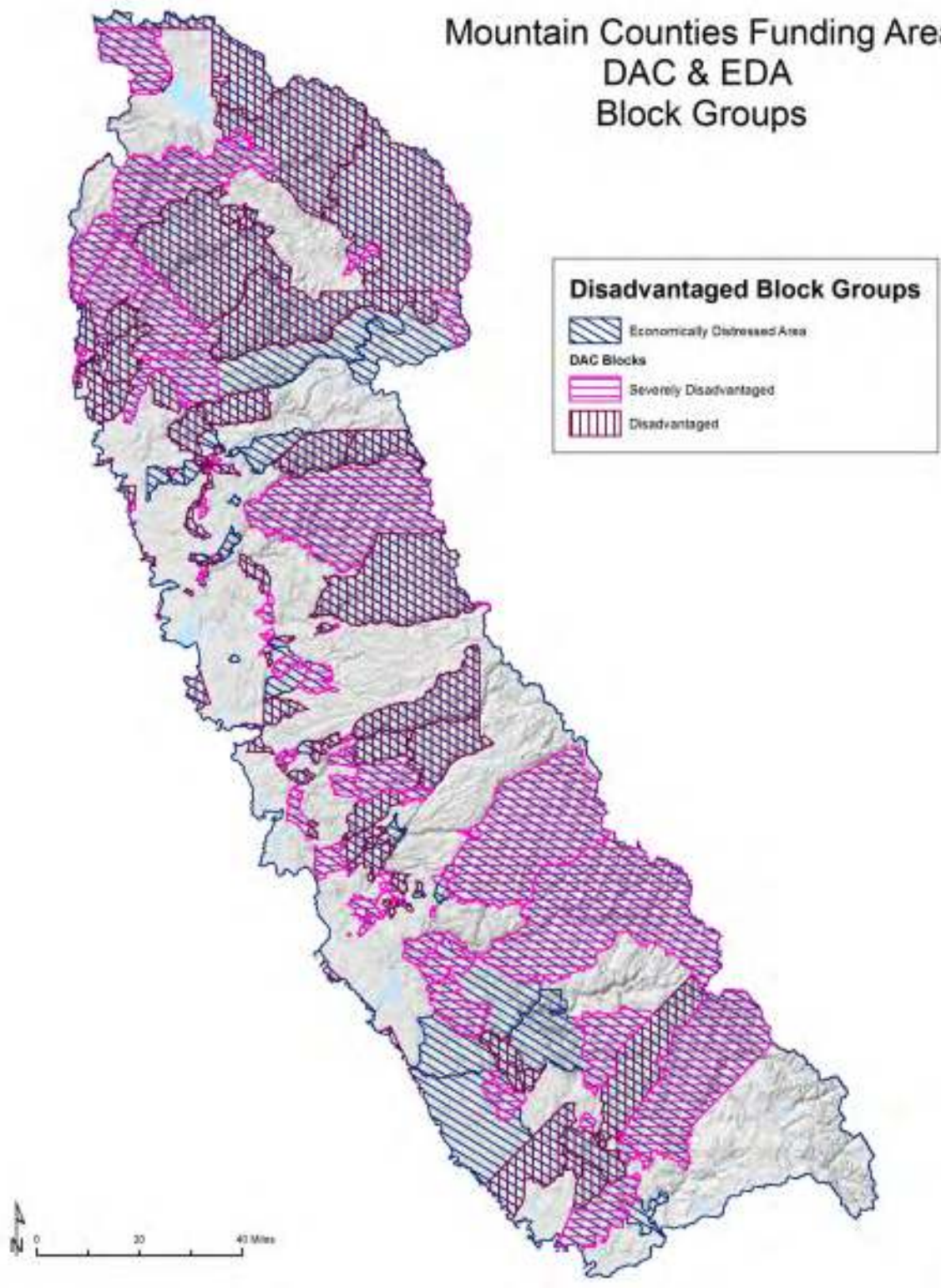
* This list represents all CDPs in the MCFA. The DWR mapping tool was used to identify CDPs with DAC, EDA, low population, and unemployment. The data was supplemented with other socioeconomic information. Unincorporated communities are not included in this list. The MCFA IRWMs have identified many communities they consider disadvantaged that are also not included in this list. For example, Outingdale (near Mt Aukum) and Gold Beach (located on Highway 49), both in the CABY IRWM, have wastewater challenges, water quality challenges, stormwater erosion, sediment, and road runoff, and are considered disadvantaged communities. This demonstrates the need for a more inclusive approach.

Appendix F:

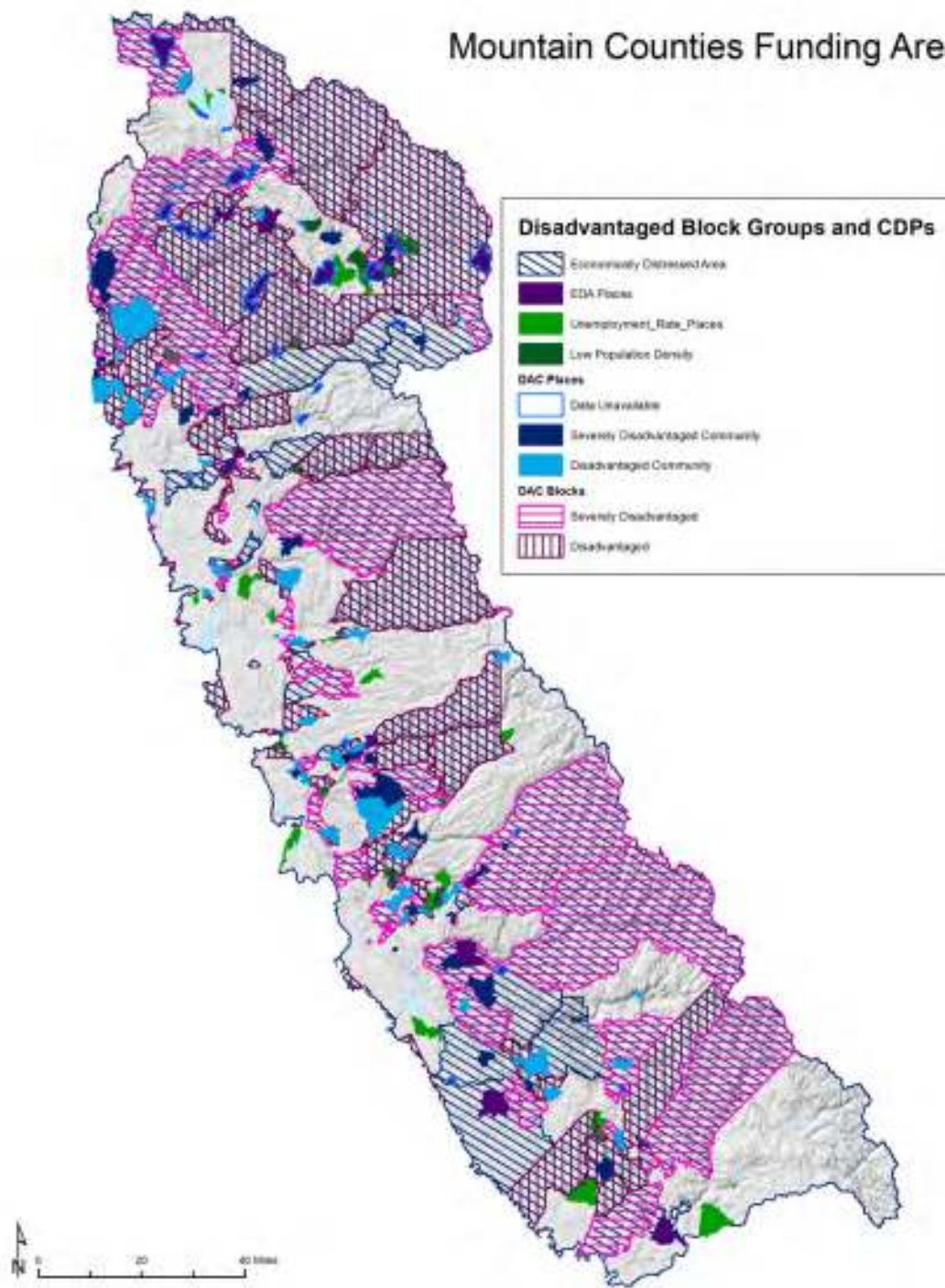
Mountain Counties Funding Area DAC and EDA Maps



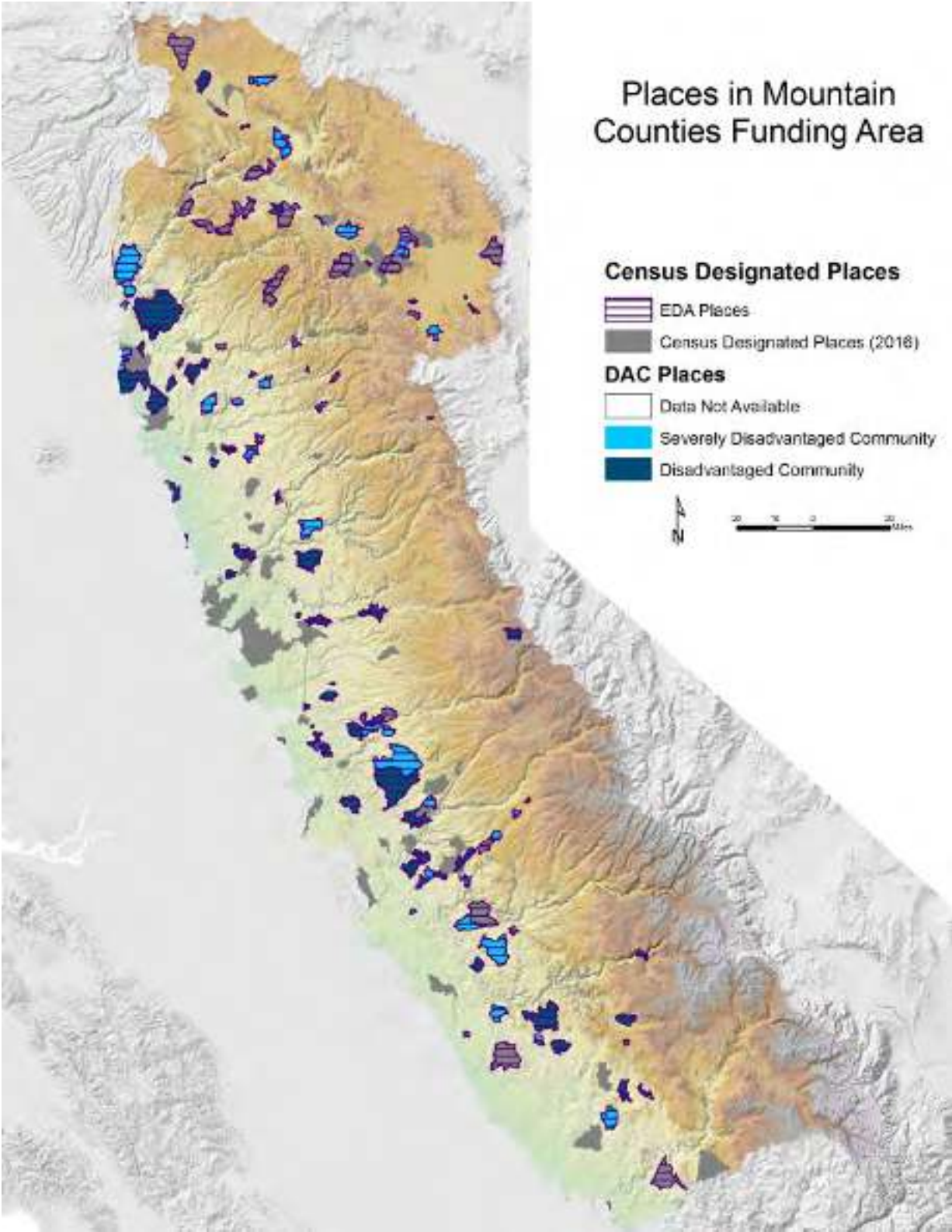
Mountain Counties Funding Area
DAC & EDA
Block Groups



Mountain Counties Funding Area



Places in Mountain Counties Funding Area



**Upper Feather River
Integrated Regional Water Management
Regional Water Management Group Quarterly Meeting
October 13, 2017**

To: Upper Feather River Regional Water Management Group

From: Uma Hinman, Hinman & Associates Consulting

Subject: Upper Feather River IRWM Support Funding

INTRODUCTION

With the completion of the Proposition 84 Planning Grant that funded the 2016 update of the Upper Feather River IRWM Plan, funding that provided for IRWM Program support staff and consultants is no longer available. Although the RWMG has discussed and agreed to continue the UFR IRWM Program, establishing funding to sustain support staff for the Program is imperative. The RWMG has discussed financial support numerous times, noting that if the IRWM Plan is to be implemented, funding must be obtained to providing staff support and, ideally, an additional pool of funds set aside to assist other organizations with building their capacity.

The RWMG includes representatives from three counties that participate and benefit from the UFR IRWM Program. The table below summarizes information for counties within the UFR IRWM Region.

Summary of County Data within the Upper Feather River IRWM Region

County	Total Size (ac.)	Area in Plan Area (ac.)	Percent of Plan Area	2013 Population in the Plan Area	Population Percentage of Plan Area
Butte	1,073,340	345,850	14.9	9,323	14.99
Lassen	3,021,050	119,394	5.2	1,774	5.2
Plumas	1,672,640	1,653,456	71.7	18,606	71.68
Shasta	2,462,340	13,574	0.6	0	0.59
Sierra	615,680	172,367	7.5	1,496	7.47
Tehama	1,895,870	136	<0.1	0	0.01
Yuba	411,970	1,780	<0.1	0	0.08
Total	--	2,306,557	100	31,199	100

To date, the Plumas County Board of Supervisors has designated funding from the County's general fund to pay for a consultant (Hinman & Associates Consulting) to continue providing support services to the RWMG. In fiscal year 2016-17, Plumas County funded \$10,000 for support services and for fiscal year 2017-18 a budget of \$25,000 has been approved. However, future funding allocation is uncertain.

During the June 2017 RWMG meeting it was suggested that contributions for counties might be developed according to percentage of population or geographic area included in the UFR IRWM Region. Further, as projects become funded, contributions could be reevaluated to assign greater financial responsibility to those counties receiving greater funding.

The following table portrays calculations for potential estimated contributions of represented counties by the percentage of geographic area and population within the UFR IRWM Region. The percentages below were recalculated to exclude the areas of Lassen, Shasta, Tehama, and Yuba counties.

County	Geographic Area		Population	
	Percentage of Plan Area ¹	Estimated Budget Contribution	Percentage of Population within the Plan Area ¹	Estimated Budget Contribution
Butte	15.9	\$ 3,975	31.7	\$ 7,925
Plumas	76.1	\$ 19,025	63.2	\$ 15,800
Sierra	8.0	\$ 2,000	5.1	\$ 1,275
Totals	100	\$ 25,000	100	\$ 25,000
<i>Note: Percentages recalculated to exclude areas of Lassen, Shasta, Tehama, and Yuba counties.</i>				

Agencies with representation on the RWMG consist of the following:

- Butte County
- Plumas County
- Sierra County
- Plumas County Flood Control and Water Conservation District
- Feather River Resource Conservation District
- Sierra Valley Resource Conservation District
- Sierra Groundwater Management District
- Plumas County Community Development Commission
- Maidu Summit Consortium
- Public Member
- Lassen National Forest (Advisory)
- Plumas National Forest (Advisory)
- Tahoe National Forest (Advisory)

STAFF RECOMMENDATION

Discussion and direction to staff.

**Upper Feather River
Integrated Regional Water Management
Regional Water Management Group Quarterly Meeting
October 13, 2017**

To: Upper Feather River Regional Water Management Group
From: Uma Hinman, Hinman & Associates Consulting
Subject: IRWM Implementation Projects

The UFR IRWM Plan 2016 included 81 implementation projects, 41 of which were municipal services projects. Eleven municipal projects are road/culvert improvement projects and the remaining are drinking water, wastewater, and infrastructure improvement projects.

Roger Diefendorf of the Plumas County Development Commission has made contact with grant managers from the State Water Resources Control Board and hopes to generate support for eligible projects. The Plumas County Development Commission has experience grant administration and management staff that in the past were focused on administration of Community Block Grants. An initial review of the IRWM implementation projects for eligibility with the SWRCB identified eight municipal services projects that are high need, serve DACs, and may meet eligibility requirements. The SWRCB's Drinking Water Proposition 1 Grant Program prioritizes the following types of projects:

- DWSRF categories (immediate health risk, untreated or at-risk sources, compliance/shortage problems, inadequate reliability, secondary risks, other)
- DAC/SDAC small community water systems
- Projects that provide shared solutions for at least three communities, with one being a DAC/SDAC
- Consolidation of water systems

The attached table summarizes the UFR IRWM Plan implementation projects initially identified that may be eligible for this opportunity. This item is primarily to inform the RWMG of this opportunity, which is a result of the Plumas County Community Development Commission staff's outreach efforts with the SWRCB. Although staff has not yet finished reviewing the projects identified above for eligibility, we welcome direction or discussion with the RWMG regarding this initial list. Staff will continue to work with the Plumas County Community Development Commission to identify a potentially eligible projects before the end of the month.

STAFF RECOMMENDATION

Informational and possible direction to staff.

Initial Identification of Potentially Eligible UFR IRWM Plan Implementation Projects

Project Number/ Name	Project Sponsor	Project Description	Estimated Budget (\$)
MS-4: Water Tank Project	East Quincy Services District <i>Update: project is in the structural investigation phase</i>	The general tasks that will be completed for the 800,000 gallon tank are: 1) preparation of a detailed site survey which would include a boundary determination of the existing parcel and topographic details to ensure accurate grading for the placement of the new tank. Cultural features, including on-site District infrastructure, would be shown/determined. 2) Plumas County Grading Permit will be obtained. 3) Plans, Specifications and Engineer's estimate will be prepared for both the site grading and the steel tank. 4) Project solicitation, bidding and administration would lead to a completed project.	1,410,310
MS-9: Crocker Water Service Meters	Grizzly Lake CSD	Project will consist of replacing illegal service laterals to meet UPC and install new water meters. Each lateral needs to be upgraded from property line to mainline and install approx. 120 radio read meters and computer software to monitor and read the system. Meters will be calibrated to accurately measure flow of water to meet mfg. specs. Additional fire hydrants will be added to meet NFPA standards to improve overall fire protection.	1,500,000
MS-12: Delleker Water Tank Rehabilitation	Grizzly Lake CSD	The Delleker Tank requires repairs to bring it up to meet OSHA, NFPA, AWWA and EPA codes. It is estimated that approximately 4,200,000 gallons of water will be saved annually by repairing the leaks and refurbishing this tank.	200,000
MS-26: Municipal Well #3	Plumas-Eureka CSD	The Plumas-Eureka CSD "Preliminary Engineering Report for the 2015 Water System Improvements" identifies the need to increase the water supply volume for future use. The new 500 gpm well would also have an arsenic removal system.	2,100,000
MS-29: Water Storage Tank Replacement	Plumas-Eureka CSD	The Plumas-Eureka CSD "Preliminary Engineering Report for the 2015 Water System Improvements" recommended the replacement of an existing 190,000 gallon storage tank due to seismic concerns and existing steel construction. New tank would be 400,000 gallons.	709,000

MS-35: Alternative water source analysis and development	Sierraville PUD	SPUD has been directed to research and develop an alternative water source. SPUD has adjudicated rights to Webber Creek water, but no means to filter, pump and deliver the water. There may also be potential for development of a well somewhere in the vicinity. Phase 1: Hire a consultant to research options and requirements for development of each option. Phase 2: Implement the best option recommended by the consultant.	256,000
MS-36: Water Storage Project	Westwood CSD	Construct a one million gallon water storage tank to bring the Westwood Community Services District (WCSD) up to minimum state requirements. The District has one active water source and one 500,000 water storage tank, and therefore does not have a second source of supply or sufficient storage to meet the source/storage capacity criteria required by the State.	750,000
MS-41: Water tank replacement project	Sierraville PUD	SPUD needs additional storage to meet the combination of maximum daily demand and fire protection requirements. SPUD has a storage tank that has been taken out of service due to its dilapidated condition, leaving the District with a single 215,000 gallon tank to serve the entire system. The remaining tank is visibly leaking although has a remaining life of 15 years.	653,550

**Upper Feather River
Integrated Regional Water Management
Regional Water Management Group Quarterly Meeting
October 13, 2017**

To: Upper Feather River Regional Water Management Group
From: Uma Hinman, Hinman & Associates Consulting
Subject: Grant Opportunities

INTRODUCTION

This agenda item includes information regarding current grant and loan opportunities, technical assistance opportunities, and a discussion of the Plan implementation project list.

a. Grant Opportunities and Technical Assistance

SWRCB – As a reminder, the State Water Resources Control Board (SWRCB) has \$10 million in Proposition 1 funding to provide technical assistance to DACs. The SWRCB Prop 1 Technical Assistance is available to help small (less than 10,000 people) DAC entities develop, fund, and implement Prop 1-eligible drinking water, wastewater, storm water (limited), or groundwater capital projects. Technical Assistance may include project coordination and development, legal assistance, engineering and environmental analysis, and/or leak detection/water audits.

From the SWRCB website: Requests relating to one or more of the following will generally be given priority: systems that are out of compliance or experiencing insufficient water delivery capabilities, extension of service for drought/contamination impacted communities, consolidation projects, systems serving less than 200 connections, and applicants with small or relatively low cost needs that will enable an otherwise complete funding application to move forward.

Some IRWM region coordinators are assisting their DACs with pursuing this funding opportunity. The Technical Assistance applications are fairly easy to fill out and submit; it may be beneficial to UFR DACs to offer help with submitting for this particular opportunity if there is staff funding available, particularly for the municipal services projects. At this time, this opportunity is scheduled to end in early 2019 if funding holds out. See the following link for more information:

http://www.waterboards.ca.gov/water_issues/programs/grants_loans/proposition1/tech_asst_funding.shtml.

Water Infrastructure, Planning, Construction and Technical Assistance:

- State Water Board website on the Prop 1 technical funding programs:
http://www.waterboards.ca.gov/water_issues/programs/grants_loans/proposition1.shtml

- Drinking Water Fund:
http://www.waterboards.ca.gov/water_issues/programs/grants_loans/dwsrf/scoping_workshops.shtml
- Small Community Wastewater Program:
http://www.waterboards.ca.gov/water_issues/programs/grants_loans/small_community_wastewater_grant/projects.shtml
- Groundwater Quality Fund:
http://www.waterboards.ca.gov/water_issues/programs/grants_loans/gw_funding/
- Stormwater Fund:
http://www.waterboards.ca.gov/water_issues/programs/grants_loans/swgp/prop1/
- Water Recycling Fund:
http://www.waterboards.ca.gov/water_issues/programs/grants_loans/water_recycling/index.shtml
- Launch Site for all Applications to the Clean Water State Revolving Fund (and instructions for how to apply, generally, for funding from the State Water Board):
http://www.waterboards.ca.gov/water_issues/programs/grants_loans/srf/srf_forms.shtml

Funding for Fire Safety & Prevention:

- The clearinghouse for federal grants that are administered at the state-level is [California Fire Safe](#). A lot of the funded programs appear related to fuel reduction (i.e., chipping programs, forestry management) and public education, and they seem to prioritize a minimum 50% match in funding.
- The [National Volunteer Fire Council](#) publishes information on new grant opportunities.
- Some folks have been able to access funding through USDA Rural Development's grant programs (particularly the [Rural Community Development Initiative](#) Grant program).

USEPA Water Finance Clearinghouse allows you to search a database with more than \$10 billion in water funding sources and over 600 resources to support local water infrastructure projects. Communities across the nation have aging or inadequate water infrastructure. The Clearinghouse helps financing get where it's needed most by offering up-to-date finance information with the click of a button. <https://www.epa.gov/waterfinancecenter>.

Sierra Nevada Conservancy – The SNC Funding Opportunities Newsletter for October-November 2017 is attached.

b. IRWM Proposition 1

The Proposition 1 IRWM Disadvantaged Community Involvement (DACI) grant opportunity is currently in process. Due to staffing changes at DWR, it is anticipated that the funding opportunities will be delayed approximately six months from their original timeline. Consequently, the second round of Prop 1 IRWM funding for implementation projects is anticipated to be released by DWR in mid to late 2018. While originally intended to be solely for DACs, the second round will likely be a mixture of DAC and non-DAC specific implementation funding. The reason for opening it up is to include some DAC-specific funding in the final round so as to incorporate projects identified and developed through the DACI (round 1) effort.

Due to DWR staffing changes, the next rounds of IRWM funding are expected to be delayed approximately six months. No date has been released for the Prop 1 Implementation funding rounds; however, based on staff estimates, it will likely be the latter part of 2018.

c. Department of Water Resources

DWR's Northern California Office staff provide a monthly newsletter of updates; attached is the update for October 2017. The newsletter includes updates on Groundwater and Sustainable Groundwater Management, IRWM, Flood, California Water Plan, Lake Oroville Spillway Incident Updates, and more.

STAFF RECOMMENDATION

Informational.

Attachment: Sierra Nevada Conservancy Funding Opportunities Newsletter, October-November 2017
DWR Newsletter October 2017



Sierra Nevada Conservancy
FUNDING OPPORTUNITIES NEWSLETTER
October – November 2017

Upcoming Grants that Might be of Interest:

- [Clif Bar Family Foundation Small Grants](#) (due October 1) support efforts to protect the Earth's beauty and bounty, create a robust and healthy food system, increase opportunities for outdoor activity, reduce environmental health hazards, and build stronger communities.
- CA Department of Parks and Recreation [Habitat Conservation Fund](#) grants (due October 2) fund nature interpretation programs that bring urban residents into park and wildlife areas, projects that protect various plant and animal species, and acquisition and development of wildlife corridors and trails.
- [U.S. Fish and Wildlife Service \(USFWS\): North American Wetlands Conservation Act Small Grants Program](#) (due October 19) funds protection, restoration, and/or enhancement projects for wetlands and associated uplands habitats for the benefit of all wetlands-associated migratory birds.
- The [Rose Foundation for Communities and the Environment: Northern California Environmental Grassroots Fund](#) (due October 28) provides modest general support grants to small grassroots organizations that address tough environmental problems such as sustainable agriculture, climate change, environmental degradation of rivers and wild places, and environmental health.
- [USFWS Habitat Conservation Plan Land Acquisition and Conservation Planning Programs](#) (proposals due to [CDFW regional staff](#) in October) fund development of Habitat Conservation Plans (HCP) as well as acquisition of land associated with approved HCPs benefitting federally listed threatened or endangered species.
- The [Conservation Alliance](#) provides grants (due December 1) to organizations that are nominated by their [members](#) (nominations due November 1.) Projects should seek lasting protection of a specific wildland or waterway with recreational value and should engage grassroots citizen action.
- NOAA [Species Recovery Grants to Tribes](#) (due November 1) support tribally-led recovery efforts that directly benefit certain endangered and candidate species.

- The [Max and Victoria Dreyfus Foundation](#) grants (due November 10) provide project or operational support to community-based programs, including environmental and wildlife protection activities.
- The [Museums for America Program](#) (due December 1) assists museums in the areas of collections stewardship, learning experiences, and acting as community anchors.
- The [Wild Ones Lorrie Otto Seeds for Education Programs](#) (due October 15) provides small grants for purchase of native seeds and plants for projects that provide education about native plants and the native plant community.
- Funding for tribal projects related to renewable energy and food security is available through the [Honor the Earth: Building Resilience in Indigenous Communities Initiative](#) (due date: rolling).

Interested in other funding for fuel reduction, parks and trails, habitat preservation, or environmental education? Grant Research Memos on a variety of topics are available on the [SNC funding opportunities webpage](#).

Your SNC Area Representative can help you set up an individual consultation with the SNC Funding Team to get advice about specific funding opportunities or general fund development strategies. To take advantage of this resource, [contact your Area Representative](#).

Congratulations to the [Truckee Watershed Council](#) which received \$99,998 from the Bureau of Reclamation [Water Smart program](#) to restore the section of Martis Creek that runs through the Martis Wildlife Area near Truckee, California. The U.S. Army Corps of Engineers is a partner on this project, as well as the Martis Fund.

Grant Writing Workshops are available to help build the capacity of organizations that serve the Sierra Nevada Region. If you are interested in organizing or attending a workshop, [contact your Area Representative](#).

Listserv: You are receiving this email because you joined the SNC Funding Opportunities listserv. If you no longer want to receive email notifications you can unsubscribe by sending a blank email to funding-leave@list.sierranevada.ca.gov. If you have friends or colleagues who are interested in subscribing, they can do so [here](#).

DWR Update September 2017

Groundwater & Sustainable Groundwater Management (SGMA)

DWR Groundwater Website – Groundwater resources play a vital role in maintaining California's economic and environmental sustainability. DWR has a long-standing history of collecting and analyzing groundwater data, investigating and reporting groundwater conditions, implementing local groundwater assistance grants, encouraging integrated water management, and providing the technical expertise needed to improve statewide groundwater management practices. Additional information can be found at the [DWR Groundwater website](#).

SGMA Mailing List – Click [here](#) to sign up to receive email updates on DWR SGMA activities.

Groundwater Sustainability Agencies (GSA) – In a major step toward sustainable groundwater management in California, more than 99 percent of the state's high- and medium-priority groundwater basins have met a key deadline to form local GSAs under the state's landmark SGMA of 2014. For additional information, please check out the GSA [webpage](#).

SGMA Implementation Assistance Newsletter - In line with DWR's commitment to support Groundwater Sustainability Agencies (GSAs) and stakeholders throughout SGMA implementation, DWR will be providing periodic [SGMA Implementation Assistance Updates](#).

SGMA Final Proposal Solicitation Package (PSP) - DWR released the Final PSP for Groundwater Sustainability Plans (GSPs) and Projects. The materials can be found [here](#). Approximately \$86.3 million will be available, with at least \$10 million made available to projects that serve Severely Disadvantaged Communities (SDACs) and the remaining amount for planning, development, or preparation of GSPs. Eligible projects for this PSP must address high and medium priority basins as identified in DWR Bulletin 118 or a non-adjudicated portion of one of these basins. Phase 1 applications are due by November 13, 2017.

SGMA Data, Tools and Reports – DWR has a long history of data collection and reporting as well as developing useful tools and reports across California. With the passage of SGMA there is an increased need for local and state agencies and the public to easily access water data in order to make informed management decisions. Check out the website [here](#).

Facilitation Support Services (FSS)for SGMA – This DWR funding aims to help local agencies work through challenging water management situations. Professional facilitators are sometimes needed to help foster discussions among diverse water management interests and local agencies as they strive to implement the SGMA. Beginning July 1, 2017, DWR will be focusing its available [FSS resources](#) on supporting the development of GSPs. Under the requirements of SGMA, all beneficial uses and users of groundwater must be considered in the development of GSPs, and GSAs must encourage the active involvement of diverse social, cultural, and economic element of the population.

Basin Boundary Modification (BBM) –DWR developed regulations for a process to modify Bulletin 118 groundwater basin boundaries. The next BBM submission period is tentatively scheduled for January through March 2018. For additional information, please contact [Tim Godwin](#).

Draft Guidance Documents for Engagement and Communication – DWR released the draft [guidance documents](#) – Guidance Document for Groundwater Sustainability Plan Stakeholder Communication and Engagement and Engagement with Tribal Governments.

Integrated Regional Water Management (IRWM)

Proposition 1 IRWM Funding – Proposition 1 authorized \$510 million in IRWM funding for Implementation and Planning efforts. DWR is making not less than \$51 million (10% of the total \$510 million) available for cooperative Funding Area-wide Disadvantaged Communities Involvement efforts. The implementation grants solicitation is scheduled for early 2018. Additional information on these programs can be found [here](#).

Flood

System Reoperation Study Phase III Report Released – DWR released the third phase of a study evaluating potential options for the reoperation of the state's existing flood protection and water supply systems to provide increased benefits. The Phase III report, titled Assessment of Reoperation Strategies, concludes that potential benefits to water supply, ecosystem, and flood management are limited, but more significant benefits could be achieved with investment in new infrastructure. Additional information is available [here](#).

California Water Plan

California Water Plan Update - The [California Water Plan](#) (Water Plan) is the State government's strategic plan for managing and developing water resources statewide for current and future generations. It provides a collaborative planning framework for elected officials, agencies, tribes, water and resource managers, businesses, academia, stakeholders, and the public to develop findings and recommendations and make informed decisions for California's water future. Opportunities to get involved with the Water Plan will be announced in the [California Water Plan eNews](#). You can subscribe to eNews [here](#).

Lake Oroville Spillway Incident Updates

Construction efforts at the Lake Oroville spillways remain focused on repairing and reconstructing the gated flood control spillway, also known as the main spillway, by November 1. DWR and its partners are on schedule. Information is available [here](#) (events, updates, news, photos, video, maps, etc.).

Other Information

Leak Detection Workshops – Irrigation districts and small communities can get information on water system leak detection during a series of workshops sponsored by DWR. The information

is also intended to help rural and disadvantaged systems. The closest [workshop](#) will be in Oroville on October 18.

Agricultural Water Management Plans – DWR has released a [legislative report](#) on the agricultural water management plans submitted in 2015. The report provides details on efficient water management practices implementation. There is also information on the submitted plans and recommendations for improvements. The report details agricultural water management plans submitted to DWR in 2015.

Land Use Viewer – The new [California DWR Land Use Viewer](#) has been unveiled, giving users access to 30 years of county land use data. The viewer is equipped with filters that provide information on specific crop information, or illustrate how land use has changed over the years. The information will be especially helpful for groundwater sustainability agencies. Details are available in a [fact sheet](#).

DWR Financial Assistance - This [website](#) provides links to all of the Department's financial assistance programs. The programs support integrated water management activities that address public safety, environmental stewardship and economic stability.

California WaterFix - California WaterFix has posted [four animated construction videos](#), based on conceptual engineering designs, which depict the construction activities associated with building three new intakes and two gravity-fed tunnels. The four videos show the construction of the Sacramento River intake facility, tunnel construction overview and general project description, site preparation prior to start of tunnel construction, and building shafts and driving tunnels.

For additional information, please contact Mary Randall at mary.randall@water.ca.gov.