

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
April 27, 2018 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 three (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 January 19, 2018.

ACTION AGENDA

1. INTEGRATED REGIONAL WATER MANAGEMENT COORDINATION UPDATES

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

- a. Update on the IRWM Roundtable of Regions efforts.
- b. Inter-regional IRWM Coordination.
- c. Legislative Update.
- d. Staff update on Indian Jim River Resource Center project.

2. DISADVANTAGED COMMUNITY AND TRIBAL INVOLVEMENT PROJECT

Update on the March 30, 2018 Disadvantaged Community and Tribal Involvement Workshop and discussion of next steps. Informational.

3. UPPER FEATHER RIVER IRWM SUPPORT FUNDING

Update from RWMG members regarding funding contributions for administrative support and coordination for the Upper Feather River IRWM Program. Informational.

4. IRWM PLAN IMPLEMENTATION PROJECT PROPOSALS

Review and consider project proposals for inclusion in the Upper Feather River IRWM Plan.

- a. Berry Creek Forest Health and Watershed Protection Project, Butte County Fire Safe Council.
- b. Concow Forest Health and Watershed Protection Project, Butte County Fire Safe Council.
- c. Feather Falls Forest Health and Watershed Protection Project, Butte County Fire Safe Council.
- d. Forbestown Ridge Forest Health and Watershed Protection Project, Sacramento River Watershed Program and 34 North.
- e. Community Water Tank Inspection, Indian Valley Community Services District.
- f. Crescent Mills Raw Water Iron and Manganese Treatment Project, Indian Valley Community Services District.
- g. Wolf Creek Sewer Crossing Replacement Project, Indian Valley Community Services District.
- h. District-Wide Leak Survey and Pipeline Replacement/Repair, Sierra Water Works District #1 - Calpine.

5. **GRANT OPPORTUNITIES**

Update on Department of Water Resources' next round of Proposition 1 funding and summary of current grant opportunities. Informational.

6. **NEXT STEPS**

Discuss next meeting date and content.

ADJOURNMENT

Upper Feather River IRWM Regional Water Management Group

DRAFT SUMMARY MINUTES

January 19, 2018

Recordings of the meeting are available here:

Video #1: <https://www.youtube.com/watch?v=bmlwW6PzHrY&feature=youtu.be>

Video #2: <https://www.youtube.com/watch?v=pn5XDVG62nk&feature=youtu.be>

Video #3: <https://www.youtube.com/watch?v=AAq-10M1yPU&feature=youtu.be>

Video #4: https://www.youtube.com/watch?v=MXg_lxYI4EI&feature=youtu.be

Video #5: <https://www.youtube.com/watch?v=WKN5kRkz5jE&feature=youtu.be>

Video #6: <https://www.youtube.com/watch?v=icKkPFootQo&feature=youtu.be>

Video #7: <https://www.youtube.com/watch?v=hGC5IcYMU3M&feature=youtu.be>

Video #8: <https://www.youtube.com/watch?v=Hg-ajweeWaU&feature=youtu.be>

Call to Order and Roll Call

(Video#1 0:30)

Sherrie Thrall called the meeting to order on January 19, 2018 at 1:03 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

Russell Reid, Feather River Resource Conservation District

Roger Diefendorf, Plumas County Community Development Commission

Trina Cunningham, Maidu Summit Consortium

Jim Roberti, Sierra Valley Groundwater Management District

Nancy Francine, Plumas National Forest (Advisory) (for Joe Hoffman)

Doug Teeter, Butte County Board of Supervisors

Jeffrey Greening, Public Member

Members Absent:

Paul Roen, Sierra County Board of Supervisors

Rick Roberti, Sierra Valley Resource Conservation District

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 & Associates Consulting

Additions or Deletions from the Agenda

(Video#1 1:15)

None noted

Public Comment Opportunity

(Video#1-1:21)

None noted

Announcements / Reports

(Video#1-1:50)

Trina Cunningham expressed the success of the Uplands Water Gathering, co-sponsored by the Sierra Nevada Conservancy, at Genesee Valley Ranch. The purpose of the gathering was to collaborate on ways to create an urban bridge between headwater communities and urban areas. A number of additional efforts are continuing from that but Trina has been working on a state-wide Tribal forum that addresses the inequities that tribes have in interacting with local, state, and Federal governments involving water and environmental issues. Currently, boundaries for this project begin at the Oregon border south to the Kern River. They are looking at ways to tie this into the disadvantage community outreach process.

CONSENT AGENDA

a. RWMG Approval of Meeting Minutes for August 19, 2016

(Video#1-6:17)

Upon motion by Trina Cunningham and seconded by Roger Diefendorf, the RWMG Meeting Minutes for October 13, 2017 were unanimously approved as presented.

ACTION AGENDA

1. Integrated Regional Water Management Regional Coordination

(Video#1-6:46)

Uma Hinman stated we received notice the Upper Pit River Watershed has finished their update to the 2016 IRWM standards. Their IRWM Plan has been adopted and is currently under review by the DWR. They are in the process of initiating a solicitation for additional projects. The Upper Feather River RWMG received a notice and an invitation to be involved in that process.

The DWR has been present at the last two Roundtable of Regions (RoR) meetings. The meeting held on October 16, 2017 encouraged the DWR to continue to support the IRWM program. On December 7, 2017, the RoR met with DWR to go over some portions of the California Water Plan Update. A summary of that meeting will be sent out to the RWMG. Promoting the IRWM program is on the agenda for the next meeting. DWR staff discussed the IRWM atlas, which is a web-based program that summarizes the makeup of IRWM's throughout the state and highlights their challenges and successes in those regions. It has been restarted after funding issues to help inform the California Water Plan 2023 Update process. The IRWM Atlas is still in the design process and will use the information gathered in 2014 from the IRWM regions and dig further into the IRWM projects that have already been completed. Once that is completed, they will send it out to the IRWM Regions for feedback.

The IRWM surveys sent out last year show that only 43% of the IRWM regions have secure funding over the next two to three years. DWR, again, was urged to continue to provide technical assistance to the IRWM regions and to also coordinate the IRWM and the SGMA programs. The goal of the RoR meetings is to gain a stronger leadership role in an effort to keep the IRWM program going.

Sherrie Thrall agreed that a stronger leadership role is needed and followed by asking what steps they are looking at taking to accomplish that goal. Uma added they are an all-volunteer group and have not, at this point, figured out what that leadership role will encompass. The next meeting is supposed to address that question.

Upon further discussion, Russell Reid questioned whether or not DWR was sitting on any funds that could possibly go towards IRWMs. Although no one could respond with a firm answer, Randy Wilson added that the focus has been turned over to sustainable groundwater management in California and is what DWR has been focusing on, which is more SGMA than IRWM. Sherrie questioned why they separate watersheds and groundwater. Groundwater is essentially part of watershed management.

2. Sacramento River Watershed Data Portola

(Video#1-17:00)

Uma Hinman introduced Holly Jorgensen with the Sacramento River Watershed Program. Holly reviewed some of the items that were discussed in her phone conference at the October 2017 RWMG meeting before introducing Amy Osty with 34 North, the software developer for the IRWM Atlas. Their purpose today is to gauge interest and gain feedback about the portal. Holly proceeded to demonstrate how the portal works, factors that can be filtered for information gathering, and special features the portal offers. Amy created a project for the group and demonstrated the ways in which the portal can be used by the UFR IRWM.

Holly added after the presentation was completed, the portal is in phase one and its purpose is to provide one location from which to access data. The Sacramento River Watershed Program will be meeting next month with the State Water Resource Control Board to discuss phase two, what that will look like, as well as the priority data sets and information that should be pulled in and made available.

3. Disadvantaged Community Involvement Mapping Project

(Video#4- 1:24)

Lauren Miller and Lauren Burton from the Sierra Institute shared updates from the Disadvantaged Community and Tribal Involvement (DACTI) Program which included a demonstration of the draft map of DAC communities in the UFR. The purpose of the mapping exercise is to identify DACs based on social characteristics for the nine participating IRWMs. Major components of this project are outreach, engagement, community capacity/needs assessment, which will include technical assistant workshops and tools to enable these communities to address water related needs.

Lauren Burton gave the RWMG a demonstration of the mapping exercise and how they decided to form block groups to identify communities. Using the block groups as the basis for the mapping exercise, Lauren sent out instructions to planners, longtime residents of the communities, and specialists to the region to pick and/or merge block groups and created a map based on their feedback. They are going to make numerous versions, which will be brought to a meeting for general consensus. Along with this, the determining factors of block groups will include more than just household income. It will consider seasonal residents, second homes, percentage of home owners, education levels, and other socio-economic factors. This will be brought to community capacity assessment workshops where they are looking for two to three people who are experts in each of these communities. These experts will speak on the capacity of those communities to form the first layer of mapping. The second layer will be comprised of block group data consisting of five socio-economic factors.

Randy Wilson asked Lauren Miller to explain their definition of capacity. The way they are looking at capacity is with five different forms of capital:

- 1) Physical Capital – includes physical aspects such as infrastructures
- 2) Social Capital – includes capabilities and willingness of the community to collaborate
- 3) Financial Capital – includes available funding to take on new projects within the community
- 4) Human Capital – includes skills, education, experience, and capabilities of the residents to maintain projects in the long run
- 5) Cultural Capital - includes the traditions, beliefs, and customs of the organization/group have to facilitate their existence

Once the mapping exercise is completed, the Sierra Institute will facilitate the community capacity workshops with each of the IRWMs and at that time will reach out for experts to speak on each form of capital for the different communities. Sherrie Thrall added a comment and suggested that they need to be specific on who they pick as their experts.

The group had questions regarding the boundaries of the block groups and shared concern for the size of some them. Lauren Miller explained that if changes were to be made, specifically to smaller block groups, diversity would be lost.

The next steps will be outreach to the regions that are not represented in the mapping exercise, continuing to work with the maps, and hold community capacity workshops. Sherrie Thrall asked about the capacity for the long run. A continuing issue the county has faced is getting the funding but not the personnel to maintain the project. Prop 1 allows funding for technical support so with that and more collaboration with the experts, the goal is to determine how to answer the longevity of project and to build capacity.

4. Upper Feather River IRWM Support Funding

(Video#5 – 18:40)

Following up on the conversation from the October 13, 2017 RWMG meeting regarding financial contributions from the three different counties, Sherrie Thrall reminded the group that everyone was in agreement with dividing it by geographical area. Uma Hinman started by sharing how the Northern Sacramento Valley IRWM, which consists of 6 counties, funds staff. They use a staffing contribution system from each of their counties with no specific amounts or requirements: they do not have outside consultants. Sherrie Thrall added that although she very much liked the idea, for our particular IRWM, that plan would not work. This year, Plumas County will be paying \$25,000 towards Hinman & Associates Consulting, but that does not include the work of the staff.

Doug Teeter mentioned that Butte County had already stated that although they may be able to contribute a small amount this fiscal year, they will not be able to contribute anything next year. Doug Teeter suggested that we reach out to Sierra Nevada Conservancy about SB5 and Merrill bonds to discuss how they support IRWMs and additional funding. Doug also asked if his county was able to put money this year, would that money be rolled over to next fiscal year for their support. Sherrie believes it can be done but will confirm with the county auditor.

5. Updating the Plan's Implementation Project List

(Video# 6 – 15:40)

Since the solicitation for implementation projects in early 2015, numerous entities have inquired about adding projects to the UFR IRWM Plan. DWR is planning to release the draft project solicitation package, PSP, in the next few months. However, they are behind due to staffing changes and the PSP deadline is expected to be pushed back to early 2019, which will allow time for another regional solicitation round to accept more projects into the Plan. Uma also shared that the Northern Sacramento Valley IRWM Board continuously accepts applications for updates to their adopted project lists. Project proposal applications can be submitted any time and are reviewed by the technical advisory committee each month. From there, the committee recommends them to the board quarterly and the board considers them for inclusion on the project list. The board does not have much involvement in grant application preparation after that point. Uma noted that DWR is trying to create more coordination of the projects because of the limited funding. Also, staff from the Central Valley Regional Water Quality Control Board reviewed our agenda packet and encouraged including multi-benefit water quality projects when possible, noting they will score higher as grant applications.

The RWMG requested staff look into simplifying the project application forms for the next solicitation process. Uma provided a draft application form based on the form Upper Pit River IRWM utilizes. She added a few things to make it more specific to our area such as the objectives. Uma requested feedback on the form as well as a discussion on whether or not to leave the solicitation open, allow submittals at any time with staff doing the initial vetting and bringing them forward to the management group at the quarterly meetings.

Jeff Greening asked her opinion on the application form from her experience. Randy Wilson commented that it is a more simplified version. Uma added that it is less explicit on the objectives as well as the budget. This new form would be used for new projects and current project updates especially if they could tie in water quality components to their projects. Roger Diefendorf shared he and Russell Reid identified some NRCS money that might fit into some of the projects. It is a nation-wide conservation innovation agricultural grant. One of the issues that was discussed was there was not enough project detail to submit a grant application within the given timeframe. Sherrie Thrall added the reason we asked for so much detail last solicitation was for the project proponents to realize the difficulty and true realities of applying for grants and that the application would be further along towards an actual grant application. Russell added that the RWMG is all in agreement to bring on more projects but doing so creates more funding burdens for an extended amount of time. Roger suggested that if we cannot be successful in the long term with obtaining funding for administrative help, it may not be worth the trouble. Randy stated that the goal of the solicitation is not to get a grant per se, but rather to be included in the IRWM Plan so as to be eligible for grant funding opportunities.

Sherrie asked Uma how she would like to accept project application forms since she will be the one vetting them beforehand. Uma stated she would favor keeping the solicitation open. This would allow her to work with project sponsors to review, address questions and fill in missing information, and bring the projects that are ready to the quarterly RWMG meetings. Russell added by leaving the application process open, it would enable us to control the process better in light of available support funding. At the point support funding becomes low, we have the ability to stop accepting applications. Trina Cunningham asked how this would change working with tribal communities. Uma stated that there will be no change.

Upon motion by Jeff Engel and seconded by Doug Teeter, the RWMG will allow additional project proposals for the 2016 IRWM Plan, received on the draft application form proposed, and subject to availability of support funds were unanimously approved.

6. Grant Opportunities

(Video#7 – 16:55)

Uma Hinman provided a list of grant opportunities. She pointed out a few grants offered through CalFire and a reminder that round two PSP for Prop 1 for IRWMs will be available in the next few months. She offered additional information on any of the grants mentioned in the agenda packet to anyone interested via email. Roger Diefendorf has identified a few municipal projects that may be eligible for grants. They are currently waiting on follow up information. Gold Mountain CSD mentioned that they have the capacity for grant writing but need assistance with locating grant opportunities. Nancy Francine added the Plumas County Fire Safe Council are in the process of getting two more Prop 1 grants.

7. Next Steps

(Video#7 – 21:50)

Next meeting is scheduled for April 20, 2018 at 1pm at the Plumas County Planning Conference Room, 555 Main Street, Quincy, California.

Adjournment

The meeting was adjourned at 3:51 pm.

**Upper Feather River
Integrated Regional Water Management
Regional Water Management Group Quarterly Meeting
April 27, 2018**

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

a. Roundtable of Regions

The Roundtable of Regions (RoR) 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.

Accomplishments of the RoR in 2017/2018 to date:

- The RoR IRWM Summit was held in January
- Reviewed the stakeholders perspectives document in March
- Participated in the DWR Summit in April
- Finalized the results of its member survey which generated feedback on the value of IRWM
- The RoR-ACWA-EJCW coalition was established
- The California Water Plan Plenary occurred in September with a track dedicated to regional planning
- Two coordination meetings were held with DWR to discuss Prop 1 PSP development and the grant program
- The stakeholder coalition meeting with Director Davis happened in October
- Presentation on the success of IRWM was given to the California Water Commission
- Coordinated with the Water Bond Coalition on IRWM messaging
- RoR membership increased
- RoR members conducted a coordinated review of the draft language of CWP Update 2018

The RoR has noted that IRWM is at a crossroad and is perhaps in jeopardy in some respects: there needs to be a better effort in telling the story of IRWM and that RoR members need to ask for State leadership to move forward successfully. Regarding the Water Bonds Coalition effort, it is critical that some of the regional sustainability funding (\$240M in SB 5) be directed to IRWM processes. Even if a grant project is not called IRWM, it should still be vetted through IRWM processes in accordance with existing statutory

requirements. Concerns about IRWM's future are becoming clearer, as are the actions necessary to address those concerns.

b. Inter-regional Outreach

Efforts of adjacent IRWM regions that are currently underway include the following:

- Upper Pit River Watershed IRWM is in the process of soliciting for additional projects to include in their Plan.
- Yuba County Integrated Regional Water Management (IRWM) Plan is being updated to be compliant with 2016 IRWM Guidelines. They anticipate completing the Plan updates in fall 2018.

c. Legislative Update

Two bills have been introduced that would change IRWM grant advanced payment provisions. Both passed the Assembly Water, Parks, and Wildlife Committee hearings.

- AB 2064 (Gloria and Weber) would make it possible to get up to 100% in advanced grant payment for qualifying IRWM projects.
- AB 2060 (Garcia) would change how much advanced payment could be provided and expand advanced payment to other grant programs.

d. Staff Update on the Indian Jim River Resource Center Project (TAC-5)

Staff will provide a verbal update on current coordination and development of the project.

REQUEST/RECOMMENDATION

Informational.

**Upper Feather River
Integrated Regional Water Management
Regional Water Management Group Quarterly Meeting
April 27, 2018**

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

DISCUSSION

The Mountain Counties Funding Area Disadvantaged Community and Tribal Involvement (DACTI) project is underway. The first step in Community Capacity and Needs Assessment is a series of workshops that have been initiated with the Upper Feather River region as the pilot. The workshops were held on March 30th at the Plumas Fairgrounds: the Small Community Assessment Workshop in the morning and the Small Community Water and Wastewater Workshop held in the afternoon.

The Small Community Assessment Workshop was facilitated by Sierra Institute and attended by regional leaders and stakeholders with local knowledge of communities and water systems in the region. Input was provided through survey responses and group discussion, which will ultimately inform the identification of DACs and feed into the DAC needs assessment. The Small Community Water and Wastewater Workshop was facilitated by Sierra Water Workgroup and JM Consultants and was attended by water and wastewater managers and operators, Tribal members, and local government planners and environmental health staff. Approximately 20 stakeholders attended the meetings. Additionally, a similar workshop will be held with Tribes in the region.

As a result of the workshop discussions there will be additional outreach to include private water companies (mutual water companies, etc.) so as to get a more comprehensive and accurate picture of the water needs within the region.

The workshops will be repeated in each of the 10 IRWM regions within the Mountain Counties Funding Area (MCFA) and will occur over the next several months.

The next meeting of the DAC Coordinating Committee will be held on April 24, 2018 and will be with DWR Division Manager Carmel Brown and staff to discuss the challenges of the MCFA and preparedness for the next Proposition 1 implementation grant proposed for December 2018.

STAFF RECOMMENDATION

Informational.

**Upper Feather River
Integrated Regional Water Management
Regional Water Management Group Quarterly Meeting
April 27, 2018**

To: Upper Feather River Regional Water Management Group

From: Uma Hinman, Hinman & Associates Consulting

Subject: Upper Feather River IRWM Support Funding

DISCUSSION

This item is a follow-up to the discussion of financial contributions from the three counties seated on the RWMG that occurred during the October 13, 2017 and January 19, 2018 RWMG meetings. Direction from the RWMG was for each county representative to approach their boards for a one-time contribution as identified in the table below for fiscal year 2017-18.

County	Geographic Area	
	Percentage of Plan Area ¹	Estimated Budget Contribution
Butte	15.9	\$ 3,975
Plumas	76.1	\$ 19,025
Sierra	8.0	\$ 2,000
Totals	100	\$ 25,000
<i>Note: The percentages were recalculated to exclude the areas of Lassen, Shasta, Tehama, and Yuba counties.</i>		

In March 2018, the Butte County Board of Supervisors approved payment to support the UFR RWMG in the requested amount of \$3,975. The funds were provided to Plumas County to offset the \$25,000 support contract.

FISCAL YEAR 2018-19

The current support contract with Hinman & Associates Consulting expires June 30, 2018. The RWMG is encouraged to discuss need and consider support services for fiscal year 2018-19. The following table provides a breakdown of expenses invoiced to date and projected through the end of the contract.

Estimated Support Services Expenses			
Invoice date	Invoice No.	Time period	Invoice Total
1/3/2018	353	7/1/18 – 12/31/17	\$ 3,552.15
3/2/2018	358	1/1/18 - 2/28/18	\$ 4,347.10
Total of invoices to date			\$ 7,899.25

Projected expenses for FY 2017-18			
		3/1/18 – 4/30/18	\$ 4,600.00 (estimated)
		5/1/18 – 6/30/18	\$ 4,600.00 (projected)
Subtotal			\$ 9,200.00
Projected Total FY 2017-18			\$17,099.25

Potential support tasks for fiscal year 2018-19 include:

- DWR Proposition 1 IRWM Implementation Proposal Solicitation Package
 - Project selection
 - Coordination with Mountain Counties Funding Area regions for application development and submittal
- DWR Proposition 1 DACTI Project participation
- Additional project submittals to be considered for inclusion in the IRWM Plan
- Upper Feather River IRWM Plan Implementation
 - RWMG quarterly meetings
 - Website updates
- Regional coordination and participation
 - Roundtable of Regions, etc.
 - California Water Plan 2018 Update

STAFF RECOMMENDATION

Discuss and provide direction to staff.

**Upper Feather River
Integrated Regional Water Management
Regional Water Management Group Quarterly Meeting
April 27, 2018**

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

BACKGROUND

During the January 19, 2018 RWMG meeting, the following steps were approved for reviewing and considering proposed implementation project applications for inclusion in the Upper Feather River IRWM Plan.

1. Projects are developed by the sponsor and an application is submitted.
2. The project coordinator determines whether the project meets Plan objectives and its current status, and then recommends it to the RWMG for inclusion into the Plan.
3. The RWMG considers all aspects of the project and either includes it in the Plan or makes recommendations for improvements.
4. Approved projects are included on “Proposed Projects” page of the website and updated in the Plan.

The implementation project solicitation remains open with application forms available on the featherriver.org website. Projects may be submitted throughout the year and will be reviewed for consideration via the steps noted above on a quarterly basis to coincide with RWMG meetings, as long as support funding is available.

PROPOSED PROJECTS

A total of eight projects were submitted to the RWMG to be considered for inclusion in the Upper Feather River IRWM Plan as implementation projects. If included, the projects would then be eligible to apply for DWR Proposition 1 IRWM funding. No funding is currently available with this solicitation nor is any funding guaranteed with the RWMG approval for inclusion in the Plan.

Projects were reviewed generally in accordance with the project review factors identified in the 2016 Proposition 1 IRWM Grant Program Guidelines (Attachment 2). Review factors not yet considered include the Climate Change/greenhouse gas emissions analysis and Tribal integration.

a. Berry Creek Forest Health and Watershed Protection Project – Butte Fire Safe Council (UF-14)

Description: The project will reduce wildfire risk by improving forest health through thinning and fuels reduction on 250 acres within the community of Berry Creek, a DAC. The project will increase water release by reducing the amount of water taken by overstocked forested stands. The project will take place around the residential portions of Berry Creek, adjacent to USFS lands, along key ingress and evacuation routes as well as ridge lines for wildfire defense. A variety of fuels treatments have been successful in Butte County historically and will be used for this project including: hand cut and pile burn, mastication, prescribed fire, lop and scatter, as well as hand cut and chip. Berry Creek FSC formed over a decade ago and received Firewise USA recognition. Coordination with the group, CALFIRE and USFS has taken place for many years and the community was under evacuation warning from wildfire twice last year. The area is in the CAL FIRE high hazard risk area and has had past severe wildfires. The project will take place when funding is available and CEQA is complete. (Attachment 3)

Project Type	Total Cost	Grant Request	Project Status	Needs
Fire and Fuels	\$500,000	\$400,000	Design	Adoption of IRWM Plan

b. Concow Forest Health and Watershed Protection Project – Butte Fire Safe Council (UF-15)

Description: The project will reduce wildfire risk by improving forest health through thinning and fuels reduction on 200 acres within the community of Concow, a DAC. The project will increase water release by reducing the amount of water taken by overstocked forested stands. The project will take place around the residential portions of Berry Creek, adjacent to US FS lands, along key ingress and evacuation routes as well as ridge lines for wildfire defense. A variety of fuels treatments have been successful in Butte County historically and will be used for this project including: hand cut and pile burn, mastication, prescribed fire, lop and scatter, as well as hand cut and chip. Berry Creek FSC formed over a decade ago and received Firewise USA recognition. Coordination with the group, CALFIRE and USFS has taken place for many years and the community was under evacuation warning from wildfire twice last year. The area is in the CAL FIRE high hazard risk area and has had past severe wildfires. The project will take place when funding is available and CEQA is complete. (Attachment 4)

Project Type	Total Cost	Grant Request	Project Status	Needs
Fire and Fuels	\$500,000	\$400,000	Design	Adoption of IRWM Plan

c. Feather Falls Forest Health and Watershed Protection Project – Butte Fire Safe Council (UF-16)

Description: The project will reduce wildfire risk by improving forest health through thinning and fuels reduction on 150 acres in the vicinity of Feather Falls. The project will increase water release by reducing the amount of water taken by overstocked forested stands. The project will take place around the residential portions of Feather Falls, adjacent to US FS lands, along key ingress and evacuation routes as well as ridge lines for wildfire defense. A variety of fuels

treatments have been successful in Butte County historically and will be used for this project including: hand cut and pile burn, mastication, prescribed fire, lop and scatter, as well as hand cut and chip. Feather Falls FSC formed over a decade ago and received Firewise USA recognition. Coordination with the group, CALFIRE and USFS has taken place for many years. The area is in the CAL FIRE high hazard risk area and had a severe wildfire last year which burned 80 homes and impacted thousands of acres. The project will take place when funding is available and CEQA is complete. (Attachment 5)

Project Type	Total Cost	Grant Request	Project Status	Needs
Fire and Fuels	\$300,000	\$220,000	Design	Adoption of IRWM Plan

d. Forbestown Ridge Forest Health and Watershed Protection Project – Sacramento River Watershed Program and 34 North (UF-17)

Description: The project will reduce wildfire risk by improving forest health through thinning and fuels reduction and increase water release by reducing the amount of water taken by overstocked forested stands. The project will take place on private lands and will include approximately 250 acres. A variety of fuels treatments have been successful in Butte County historically and will be used for this project including: hand cut and pile burn, mastication, prescribed fire, lop and scatter, as well as hand cut and chip. The Forbestown Ridge project area includes the communities of Forbestown and Merry Mountain Village, a local homeowner association located in the community of Clipper Mills. These communities have active fire safe councils 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. (Attachment 6)

Project Type	Total Cost	Grant Request	Project Status	Needs
Fire and Fuels	\$500,000	\$413,000	Design	Adoption of IRWM Plan

e. Community Water Tank Inspection – Indian Valley Community Services District (MS-44)

Description: The Crescent Mills and Greenville Water Systems have a total of three water storage tanks used to store water pumped from our ground wells. These tanks are various ages and there are no records of inspection or cleaning. In order to provide for the best quality water, the district would like to inspect and clean the storage tanks every five years. Such a process would extend the life of each of these tanks and assure the best quality of water for district customers. The district has located a local company that provides such services and is willing to assist the District with the project at a much reduced rate. The project would involve diving each tank, inspecting for maintenance issues, and cleaning sediment from the bottom of the tank. (Attachment 7)

Project Type	Total Cost	Grant Request	Project Status	Needs
Infrastructure/ Water Supply	\$30,000	\$30,000	Planning	Adoption of IRWM Plan

f. Crescent Mills Raw Water Iron and Manganese Treatment Project – Indian Valley Community Services District (MS-45)

Description: The Crescent Mills water supply comes out of the Green Mountain Mine. This water source contains high amounts of iron and manganese. The District currently treats for these elements near the area of distribution. In order to protect and improve water quality and water supply reliability in the Crescent Mills area, two new chemical pumps need to be installed and two water lines run approximately 300 years closer to the source to a point where the water could be treated for iron and manganese farther away from the distribution plant. The chemical reaction occurring up the line would increase contact and allow for additional time to remove these elements from the water source prior to de-filtration and customer distribution, thus improving water quality. The District also proposes to purchase a line cleaning tool (PIG) to remove iron buildup in the existing water distribution system, once again improving quality and reliability of the source. (Attachment 8)

Project Type	Total Cost	Grant Request	Project Status	Needs
Infrastructure/ Water Supply	\$50,000	\$50,000	Shovel ready	Adoption of IRWM Plan

g. Wolf Creek Sewer Crossing Replacement Project – Indian Valley Community Services District (MS-46)

Description: Replacement of a suspended sewer pipeline that crosses Wolf Creek near the town of Greenville. The pipeline in question was washed out due to a high water event during the winter of 2017. Engineering plans and specifications for the project are complete. The District proposes raising the elevation of the pipeline crossing to be better protected and prevent sewage spills associated with future flood events. Because the original pipeline connected to a sewer lift station immediately downstream from the crossing, the potential exists to move the lift station to the upstream side of the crossing and significantly raise the elevation of the pipe over the river. The scope of the project would include construction of a new sewer lift station on the upstream side of the crossing. A new bridge structure would also be installed. The bridge structure would support and protect the new pipeline at the higher elevation while also providing improvement access for maintenance personnel to access the lift station in the new location for regular maintenance activities. (Attachment 9)

Project Type	Total Cost	Grant Request	Project Status	Needs
Infrastructure/ Water Quality	\$450,000	\$325,000	Design	Adoption of IRWM Plan

h. District-wide Leak Survey and Pipeline Replacement/Repair – Sierra Water Works District #1, Calpine (MS-47)

Description: Calpine has long known that its distribution system is very aged and is losing a considerable amount of water through leaks. Water meters were installed a couple of months ago and the district will now be more accurately tracking this loss. The District plans to contract with an experienced and industry respected leak detection firm to conduct a district-wide leak identification survey. From the outcome of this survey the district's contract water operator will work with the district's engineering firm to plan an effective pipe replacement and repair project consisting of replacement of the most aged and vulnerable piping. Individual site repairs will be performed in areas where sections of pipe do not need replacement. Piping that produces unfavorable water quality will be replaced with non-corrosive pipe. Quantitative results will be documented through existing production and recently installed residential meters. (Attachment 10)

Project Type	Total Cost	Grant Request	Project Status	Needs
Infrastructure/ Water Supply	\$500,000	\$500,000	Design	Adoption of IRWM Plan

STAFF RECOMMENDATION

- 1) Adopt attached resolution approving the eight new project submittals as implementation projects for the Upper Feather River IRWM Plan, and direct staff to update the 2016 Upper Feather River IRWM Plan project list accordingly; OR
- 2) Direct staff to work with project sponsors to prepare climate change/greenhouse gases emissions worksheets and work with Tribal representative(s) to identify integration opportunities, bringing the projects back to the RWMG for consideration at its next meeting.

Attachments:

1. Review Summary of Proposed Projects
2. Proposition 1 IRWM Grant Program Project Review Factors
3. Berry Creek Forest Health and Watershed Protection Project, Butte County Fire Safe Council
4. Concow Forest Health and Watershed Protection Project, Butte County Fire Safe Council
5. Feather Falls Forest Health and Watershed Protection Project, Butte County Fire Safe Council
6. Forbestown Ridge Forest Health and Watershed Protection Project, Sacramento River Watershed Program & 34 North
7. Community Water Tank Inspection, Indian Valley CSD
8. Crescent Hills Raw Water Iron and Manganese Treatment Project, Indian Valley CSD
9. Wolf Creek Sewer Crossing Replacement Project, Indian Valley CSD
10. District-wide Leak Survey and Pipeline Replacement/Repair, Sierra Water Works District #1 – Calpine
11. Draft Resolution

Summary of Proposed Projects Review

Project No.	Project Name	GHG Worksheet Complete (K,L)	Climate Adaption/ GHG Reduction	All Questions Answered	RMS Validated/ # supported (B)	Budget checked (G,H)	Objectives Validated/ # supported (A)	Technically Feasible (C)	DAC Impact (D)	Tribal ('E)	Environ-mental Justice (F)	Project Status (I)
UF-14	Berry Creek Forest Health and Watershed Protection Project	No	Yes	Yes	Yes/6	Yes	Yes/7	Yes	Yes		No	design
UF-15	Concow Forest Health and Watershed Protection Project	No	Yes	Yes	Yes/6	Yes	Yes/7	Yes	Yes		No	design
UF-16	Feather Falls Forest Health and Watershed Protection Project	No	Yes	Yes	Yes/6	Yes	Yes/7	Yes	No		No	design
UF-17	Forbestown Ridge Forest Health and Watershed Protection Project	No	Yes	Yes	Yes/11	Yes	Yes/9	Yes	No		No	design
MS-44	Community Water Tank Inspection	No	No	Yes	Yes/2	Yes	Yes/3	Yes	Yes		No	planning
MS-45	Crescent Mills Raw Water Iron and Manganese Treatment Project	No	No	Yes	Yes/1	Yes	Yes/4	Yes	Yes		No	shovel ready
MS-46	Wolf Creek Sewer Crossing Replacement Project	No	Yes	Yes	Yes/3	Yes	Yes/3	Yes	Yes		No	design
MS-47	District-Wide Leak Survey and Pipeline Replacement/Repair	No	Yes	Yes	Yes/3	Yes	Yes/2	Yes	No		No	design

IRWMP Review Factors (summarized from 2016 IRWM Guidelines)

The following is a discussion of the factors that a project review process should employ when considering projects for inclusion in the IRWM Plan:

A. How the project contributes to the IRWM Plan objectives

This factor asks RWMG to consider how a project relates to achieving plan objectives

B. How the project is related to RMS

The IRWM Plan identifies RMS selected for use in the Plan with the goal of diversifying the water management portfolio used to meet plan objectives. Does the proposed project contribute to the diversification of the water management portfolio? If so how? If it does, that should be seen as a positive aspect of the project. If not, the project may still aid in obtaining the plan objectives; however, depending on specific circumstances of the region, a project that contributes to the diversification of the water management portfolio may be more valuable than one that does not.

C. Technical feasibility of the project

The RWMG needs to consider the technical feasibility of the projects. Technical feasibility is related to the knowledge of the project location; knowledge of the water system at the project location; or with the material, methods, or processes proposed to be employed in the project...

D. Specific benefits to critical DAC water issues

The project review process must consider if the project helps to address critical water supply and water quality needs of DACs within the IRWM region.

E. Specific benefits to critical water issues for Native American tribal communities

The project review process must consider if the project helps to address critical water supply and water quality needs of Native American tribal communities within the IRWM region.

F. Environmental Justice Considerations

Consideration of EJ concerns. EJ seeks to redress inequitable distribution of environmental burdens (i.e., pollution, industrial facilities) and access to environmental goods (e.g., clean water and air, parks, recreation, nutritious foods, etc.). EJ relies on willing awareness of impacts by project proponents and participation in decision-making by affected stakeholders.

G. Project Costs and Financing

Documented basis for costs, funding sources.

H. Economic Feasibility

A preliminary economic analysis must be included as part of the criteria in the project selection process. A cost-effectiveness or benefit-cost analysis may be used.

I. Project Status

Consider the status/readiness to proceed of the project. May have to match to funding source priorities (e.g., shovel-ready, planning grants)

J. Strategic considerations for IRWM Plan implementation

Use the regional perspective to leverage any efficiency that might be gained by combining or modifying local projects into regional projects. Can restructure or integrate projects, implement as-is, modify... DWR expects RWMGs to take advantage of regional planning and integrating projects where possible, and explaining when a single purpose project needs to be implemented in order to best implement an IRWM Plan.

K. Contribution of the project in adapting to the effects of climate change in the region

Consideration as to whether adaptations to water management systems are necessary to adapt to climate change.

L. Contribution of the project in reducing GHG emissions as compared to project alternatives

Ability of projects to reduce GHG emissions - energy efficiency, reductions in emissions

M. Whether the project proponent has adopted or will adopt the IRWM Plan

STEP 1 UPPER FEATHER RIVER IRWM Implementation Project Application 2018

The Upper Feather River Regional Water Management Group is accepting applications from interested stakeholders who wish to have project(s) included in the Upper Feather River Integrated Regional Water Management (IRWM) Plan. Please note that this is not a grant application at this stage; this application is to submit your project for consideration for inclusion in the IRWM Plan as an implementation project, which will then be eligible to apply for upcoming IRWM grant solicitations.

Projects eligible for inclusion in the Plan must meet the following criteria:

- Be located within the geographic boundaries of the Upper Feather River IRWM Region (see website for the Region Description and map).
- Address water resource management issues in the Upper Feather River Region, including water supply, water quality, forest and watershed management, and/or natural resource enhancement.
- Be consistent with the Region's goals and objectives (<http://featherriver.org/ufr-irwm-plan/>).

See the Upper Feather River IRWM website for the Plan, maps, current list of implementation projects, and information about the Regional Water Management Group: <http://featherriver.org/>. Questions may be directed to Uma Hinman, IRWM Program Coordinator, at ufr.contact@gmail.com or (916) 813-0818.

PROJECT NAME: *Berry Creek Forest Health and Watershed Protection Project*

PROJECT SPONSOR(S): *Butte County Fire Safe Council*

Phone: 530-877-0984

Email: firesafe@buttefiresafe.net

PROJECT TYPE:

Place an "x" next to the appropriate project type. If none of the provided categories are appropriate, please provide your own in the box called "other." If your project consists of more than 1 project type, please use a "1, 2, 3" mechanism to rank the types in order of importance or share of the budget.

<input type="checkbox"/>	Agriculture
<input type="checkbox"/>	Community
<input checked="" type="checkbox"/>	Education
<input checked="" type="checkbox"/>	Fire and Fuels
<input type="checkbox"/>	Flooding
<input type="checkbox"/>	Habitat and Environment
<input type="checkbox"/>	Infrastructure
<input type="checkbox"/>	Invasive Species
<input type="checkbox"/>	Recreation
<input type="checkbox"/>	Water Quality
<input checked="" type="checkbox"/>	Water Supply
<input type="checkbox"/>	Other – <i>please describe:</i>

BRIEF DESCRIPTION OF PROJECT: *Provide the basic details of your project, including WHAT, WHERE, WHEN, HOW (No more than a single page, 250 words).*

The project will reduce wildfire risk by improving forest health through thinning and fuels reduction. The project will increase water release by reducing the amount of water taken by overstocked forested stands. The project will take place around the residential portions of Berry Creek, adjacent to US FS lands, along key ingress and evacuation routes as well as ridge lines for wildfire defense. A variety of fuels treatments have been successful in Butte County historically and will be used for this project including: hand cut and pile burn, mastication, prescribed fire, lop and scatter, as well as hand cut and chip. Berry Creek FSC formed over a decade ago and received Firewise USA recognition. Coordination with the group, CALFIRE and USFS has taken place for many years and the community was under evacuation warning from wildfire twice last year. The area is in the CAL FIRE high hazard risk area and has had past severe wildfires. The project will take place when funding is available and CEQA is complete. Preferably in spring of 2019.

PROJECT LOCATION: *Provide geographical location and latitude/longitude.*

Location is general area of Berry Creek with final project coordinates determined by the Community Wildfire Protection Plan landscape level planning group.

BRIEF PROJECT TIMELINE: *Include basic information regarding project milestones or deliverables with timeline.*

	Month	Month	Month	Month
Task 1: CEQA	1/1/2019	Click or tap to enter a date.	Click or tap to enter a date.	Click or tap to enter a date.
Task 2: Hire Fuels Reduction Crews	9/1/2019	Click or tap to enter a date.	Click or tap to enter a date.	Click or tap to enter a date.
Task 3: Oversee work and public education	6/1/2022	Click or tap to enter a date.	Click or tap to enter a date.	Click or tap to enter a date.
Task 4: Click or tap here to enter text.	Click or tap to enter a date.	Click or tap to enter a date.	Click or tap to enter a date.	Click or tap to enter a date.

COLLABORATORS/PARTNERS: *List partners in the appropriate columns below. Add more lines to table as needed.*

Potential Partners	Confirmed Partners
DWR	CAL FIRE
PUBLIC WORKS	BERRY CREEK FIRE SAFE COUNCIL
OFFICE OF EMERGENCY MANAGEMENT	US FOREST SERVICE
MOORETOWN RANCHERIA	SACRAMENTO RIVER WATERSHED PROGRAM
BERRY CREEK RANCHERIA	Click or tap here to enter text.

PROJECT STATUS

Design complete	<input type="checkbox"/>	Yes
	<input checked="" type="checkbox"/>	No (provide details below)
	<i>Details: the project boundaries will be completed through the current landscape level planning process undertaken by the community wildfire protection plan landscape level working group</i>	
Engineering complete	<input type="checkbox"/>	Yes
	<input checked="" type="checkbox"/>	No (provide details below)

	<i>Details: no engineering needed</i>	
Project does not require technical design or engineering	<i>Provide details: no technical design needed</i>	
CEQA/NEPA complete	<input type="checkbox"/>	Yes
	<input type="checkbox"/>	No (provide details below)
	<i>Details: CEQA has been completed for two small prior projects in Berry Creek but will need to be completed for the entirety of the project.</i>	
No CEQA required	<i>Provide details: Click or tap here to enter text.</i>	
No NEPA required	<i>Provide details: Click or tap here to enter text.</i>	
Performance Measures identified ¹	<input checked="" type="checkbox"/>	Yes
	<input type="checkbox"/>	No (provide details below)
	<i>Details: acres treated or improved, number of people educated, miles of roadway improved for evacuation</i>	
Monitoring Plan complete	<input type="checkbox"/>	Yes
	<input checked="" type="checkbox"/>	No (provide details below)
	<i>Details: past monitoring has included photo points with GPS verification but future monitoring will have more data needs to be assisted with the Sacramento River Watershed Program data portal</i>	

BUDGET

Total Project Budget:	Budget: \$500,000
Match	Amount: \$100,000
	Source: CAL FIRE crew time, volunteer match and matching grants
Match	Amount: Click or tap here to enter text.
	Source: Click or tap here to enter text.

UPPER FEATHER RIVER IRWM PLAN OBJECTIVES ADDRESSED

Place an "x" next to all issues that your project deals with. If none of the provided categories are appropriate, please provide your own in the box called "other."

¹ Performance measures are a required component of DWR-funded implementation projects, and can also be described as deliverables.

✓	Upper Feather River IRWM Objectives:	Brief explanation of project linkage to selected Objective
<input type="checkbox"/>	Restore natural hydrologic functions.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Reduce potential for catastrophic wildland fires in the Region.	Reduce wildfire risk on 250 acres of forest
<input type="checkbox"/>	Build communication and collaboration among water resources stakeholders in the Region.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Work with DWR to develop strategies and actions for the management, operation, and control of SWP facilities in the Upper Feather River Watershed in order to increase water supply, recreational, and environmental benefits to the Region.	There is a current partnership in place with DWR and BCFSC to implement the fuel load management plan around Lake Oroville
<input checked="" type="checkbox"/>	Encourage municipal service providers to participate in regional water management actions that improve water supply and water quality.	Forest thinning work examples will encourage other municipal services to do the same
<input type="checkbox"/>	Continue to actively engage in FERC relicensing of hydroelectric facilities in the Region.	Click or tap here to enter text.
<input type="checkbox"/>	Address economic challenges of municipal service providers to serve customers.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Protect, restore, and enhance the quality of surface and groundwater resources for all beneficial uses, consistent with the RWQC Basin Plan.	Improve forest health through thinning and release of water from thinning
<input type="checkbox"/>	Address water resources and wastewater needs of DACs and Native Americans.	Click or tap here to enter text.
<input type="checkbox"/>	Coordinate management of recharge areas and protect groundwater resources.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Improve coordination of land use and water resources planning.	Will work with multiple partners for multiple benefits
<input type="checkbox"/>	Maximize agricultural, environmental and municipal water use efficiency.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Effectively address climate change adaptation and/or mitigation in water resources management.	Reduce potential green house gas emissions by reducing forest overgrowth
<input type="checkbox"/>	Improve efficiency and reliability of water supply and other water-related infrastructure.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Enhance public awareness and understanding of water management issues and needs.	Provide firewise and water wise education to the community
<input type="checkbox"/>	Address economic challenges of agricultural producers.	Click or tap here to enter text.
<input type="checkbox"/>	Work with counties/ communities/groups to make sure staff capacity exists for actual administration and implementation of grant funding.	Click or tap here to enter text.
<input type="checkbox"/>	Other (please describe):	Click or tap here to enter text.

RESOURCE MANAGEMENT STRATEGIES ADDRESSED

Place an "x" next to all resource management strategies that your project addresses.

✓	Resource Management Strategy
Reduce Water Demand	
<input type="checkbox"/>	Agricultural Water Use Efficiency
<input type="checkbox"/>	Urban water use efficiency

✓	Resource Management Strategy
Improve Flood Management	
<input type="checkbox"/>	Flood management
Improve Operational Efficiency and Transfers	
<input type="checkbox"/>	Conveyance – regional/local
<input type="checkbox"/>	System reoperation
<input type="checkbox"/>	Water transfers
Increase Water Supply	
<input checked="" type="checkbox"/>	Conjunctive management
<input type="checkbox"/>	Precipitation Enhancement
<input type="checkbox"/>	Municipal recycled water
<input type="checkbox"/>	Surface storage – regional/local
Improve Water Quality	
<input type="checkbox"/>	Drinking water treatment and distribution
<input checked="" type="checkbox"/>	Groundwater remediation/aquifer remediation
<input type="checkbox"/>	Matching water quality to water use
<input type="checkbox"/>	Pollution prevention
<input type="checkbox"/>	Salt and salinity management
<input type="checkbox"/>	Urban storm water runoff management
Practice Resource Stewardship	
<input type="checkbox"/>	Agricultural land stewardship
<input checked="" type="checkbox"/>	Ecosystem restoration
<input checked="" type="checkbox"/>	Forest management
<input type="checkbox"/>	Land use planning and management
<input type="checkbox"/>	Recharge area protection
<input type="checkbox"/>	Sediment management
<input checked="" type="checkbox"/>	Watershed management
People and Water	
<input type="checkbox"/>	Economic incentives
<input type="checkbox"/>	Outreach and engagement
<input checked="" type="checkbox"/>	Water and culture
<input type="checkbox"/>	Water-dependent recreation
<input type="checkbox"/>	Wastewater/NPDES

MEASURABLE OUTCOMES

This may be simple, but it must be specific. It may include measures such as: “miles of fence laid”, “number of stakeholders contacted”, or “acres of forest treated”.

Acres treated = 250

People reached = 10,000

Miles of Roadway improved for evacuation = 5

LOCAL PLANNING DOCUMENTS

Are there any local planning documents that address and/or support your project? If so, explain.

The project is supported by the Butte County Community Wildfire Protection Plan and Hazard Mitigation Plan.

STEP 1 UPPER FEATHER RIVER IRWM Implementation Project Application 2018

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- Address water resource management issues in the Upper Feather River Region, including water supply, water quality, forest and watershed management, and/or natural resource enhancement.
- Be consistent with the Region's goals and objectives (<http://featherriver.org/ufr-irwm-plan/>).

See the Upper Feather River IRWM website for the Plan, maps, current list of implementation projects, and information about the Regional Water Management Group: <http://featherriver.org/>. Questions may be directed to Uma Hinman, IRWM Program Coordinator, at ufr.contact@gmail.com or (916) 813-0818.

PROJECT NAME: *Concow Forest Health and Watershed Protection Project*

PROJECT SPONSOR(S): *Butte County Fire Safe Council*

Phone: 530-877-0984

Email: firesafe@buttefiresafe.net

PROJECT TYPE:

Place an "x" next to the appropriate project type. If none of the provided categories are appropriate, please provide your own in the box called "other." If your project consists of more than 1 project type, please use a "1, 2, 3" mechanism to rank the types in order of importance or share of the budget.

<input type="checkbox"/>	Agriculture
<input type="checkbox"/>	Community
<input checked="" type="checkbox"/>	Education
<input checked="" type="checkbox"/>	Fire and Fuels
<input type="checkbox"/>	Flooding
<input type="checkbox"/>	Habitat and Environment
<input type="checkbox"/>	Infrastructure
<input type="checkbox"/>	Invasive Species
<input type="checkbox"/>	Recreation
<input type="checkbox"/>	Water Quality
<input checked="" type="checkbox"/>	Water Supply
<input type="checkbox"/>	Other – <i>please describe:</i>

BRIEF DESCRIPTION OF PROJECT: *Provide the basic details of your project, including WHAT, WHERE, WHEN, HOW (No more than a single page, 250 words).*

The project will reduce wildfire risk by improving forest health through thinning and fuels reduction. The project will increase water release by reducing the amount of water taken by overstocked forested stands. The project will take place around the Concow Lake and areas impacted by the 2008 wildfires, adjacent to US FS lands, along key ingress and evacuation routes as well as ridge lines for wildfire defense. A variety of fuels treatments have been successful in Butte County historically and will be used for this project including: hand cut and pile burn, mastication, prescribed fire, lop and scatter, as well as hand cut and chip. Removal of dead and down trees as well as bio mass chipping may be included in the project as well. Yankee Hill FSC formed over a decade ago and received Firewise USA recognition. Coordination with the group, CALFIRE and USFS has taken place for many years. The area is in the CAL FIRE high hazard risk area and had several severe wildfires in the past years and is still in recovery from these wildfires. The project will take place when funding is available and CEQA is complete. Preferably in spring of 2019.

PROJECT LOCATION: *Provide geographical location and latitude/longitude.*

Location is general area of Camp Fire of 2008 and within the community of Concow with final project coordinates determined by the Community Wildfire Protection Plan landscape level planning group.

BRIEF PROJECT TIMELINE: *Include basic information regarding project milestones or deliverables with timeline.*

	Month	Month	Month	Month
Task 1: CEQA	1/1/2019	Click or tap to enter a date.	Click or tap to enter a date.	Click or tap to enter a date.
Task 2: Hire Fuels Reduction Crews	9/1/2019	Click or tap to enter a date.	Click or tap to enter a date.	Click or tap to enter a date.
Task 3: Oversee work and public education	6/1/2022	Click or tap to enter a date.	Click or tap to enter a date.	Click or tap to enter a date.
Task 4: Click or tap here to enter text.	Click or tap to enter a date.	Click or tap to enter a date.	Click or tap to enter a date.	Click or tap to enter a date.

COLLABORATORS/PARTNERS: *List partners in the appropriate columns below. Add more lines to table as needed.*

Potential Partners	Confirmed Partners
DWR	CAL FIRE
PUBLIC WORKS	BERRY CREEK FIRE SAFE COUNCIL
OFFICE OF EMERGENCY MANAGEMENT	US FOREST SERVICE
Click or tap here to enter text.	SACRAMENTO RIVER WATERSHED PROGRAM
Click or tap here to enter text.	Click or tap here to enter text.

PROJECT STATUS

Design complete	<input type="checkbox"/>	Yes
	<input checked="" type="checkbox"/>	No (provide details below)
	<i>Details: the project boundaries will be completed through the current landscape level planning process undertaken by the community wildfire protection plan landscape level working group</i>	
	<input type="checkbox"/>	

Engineering complete	<input checked="" type="checkbox"/>	Yes
	<input type="checkbox"/>	No (provide details below)
		<i>Details: no engineering needed</i>
Project does not require technical design or engineering		<i>Provide details: no technical design needed</i>
CEQA/NEPA complete	<input type="checkbox"/>	Yes
	<input type="checkbox"/>	No (provide details below)
		<i>Details: CEQA has been completed for work along Lumpkin Road but will need to be completed for the entirety of the project.</i>
No CEQA required		<i>Provide details: Click or tap here to enter text.</i>
No NEPA required		<i>Provide details: Click or tap here to enter text.</i>
Performance Measures identified ¹	<input checked="" type="checkbox"/>	Yes
	<input type="checkbox"/>	No (provide details below)
		<i>Details: acres treated or improved, number of people educated, miles of roadway improved for evacuation</i>
Monitoring Plan complete	<input type="checkbox"/>	Yes
	<input checked="" type="checkbox"/>	No (provide details below)
		<i>Details: past monitoring has included photo points with GPS verification but future monitoring will have more data needs to be assisted with the Sacramento River Watershed Program data portal</i>

BUDGET

Total Project Budget:	Budget: \$500,000
Match	Amount: \$100,000
	Source: CAL FIRE crew time, volunteer match and matching grants
Match	Amount: Click or tap here to enter text.
	Source: Click or tap here to enter text.

UPPER FEATHER RIVER IRWM PLAN OBJECTIVES ADDRESSED

Place an "x" next to all issues that your project deals with. If none of the provided categories are appropriate, please provide your own in the box called "other."

¹ Performance measures are a required component of DWR-funded implementation projects, and can also be described as deliverables.

✓	Upper Feather River IRWM Objectives:	Brief explanation of project linkage to selected Objective
<input type="checkbox"/>	Restore natural hydrologic functions.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Reduce potential for catastrophic wildland fires in the Region.	Reduce wildfire risk on 250 acres of forest
<input type="checkbox"/>	Build communication and collaboration among water resources stakeholders in the Region.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Work with DWR to develop strategies and actions for the management, operation, and control of SWP facilities in the Upper Feather River Watershed in order to increase water supply, recreational, and environmental benefits to the Region.	There is a current partnership in place with DWR and BCFSC to implement the fuel load management plan around Lake Oroville
<input checked="" type="checkbox"/>	Encourage municipal service providers to participate in regional water management actions that improve water supply and water quality.	Forest thinning work examples will encourage other municipal services to do the same
<input type="checkbox"/>	Continue to actively engage in FERC relicensing of hydroelectric facilities in the Region.	Click or tap here to enter text.
<input type="checkbox"/>	Address economic challenges of municipal service providers to serve customers.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Protect, restore, and enhance the quality of surface and groundwater resources for all beneficial uses, consistent with the RWQC Basin Plan.	Improve forest health through thinning and release of water from thinning
<input type="checkbox"/>	Address water resources and wastewater needs of DACs and Native Americans.	Click or tap here to enter text.
<input type="checkbox"/>	Coordinate management of recharge areas and protect groundwater resources.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Improve coordination of land use and water resources planning.	Will work with multiple partners for multiple benefits
<input type="checkbox"/>	Maximize agricultural, environmental and municipal water use efficiency.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Effectively address climate change adaptation and/or mitigation in water resources management.	Reduce potential green house gas emissions by reducing forest overgrowth
<input type="checkbox"/>	Improve efficiency and reliability of water supply and other water-related infrastructure.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Enhance public awareness and understanding of water management issues and needs.	Provide firewise and water wise education to the community
<input type="checkbox"/>	Address economic challenges of agricultural producers.	Click or tap here to enter text.
<input type="checkbox"/>	Work with counties/ communities/groups to make sure staff capacity exists for actual administration and implementation of grant funding.	Click or tap here to enter text.
<input type="checkbox"/>	<i>Other (please describe):</i>	Click or tap here to enter text.

RESOURCE MANAGEMENT STRATEGIES ADDRESSED

Place an "x" next to all resource management strategies that your project addresses.

✓	Resource Management Strategy
Reduce Water Demand	
<input type="checkbox"/>	Agricultural Water Use Efficiency

✓	Resource Management Strategy
<input type="checkbox"/>	Urban water use efficiency
Improve Flood Management	
<input type="checkbox"/>	Flood management
Improve Operational Efficiency and Transfers	
<input type="checkbox"/>	Conveyance – regional/local
<input type="checkbox"/>	System reoperation
<input type="checkbox"/>	Water transfers
Increase Water Supply	
<input checked="" type="checkbox"/>	Conjunctive management
<input type="checkbox"/>	Precipitation Enhancement
<input type="checkbox"/>	Municipal recycled water
<input type="checkbox"/>	Surface storage – regional/local
Improve Water Quality	
<input type="checkbox"/>	Drinking water treatment and distribution
<input checked="" type="checkbox"/>	Groundwater remediation/aquifer remediation
<input type="checkbox"/>	Matching water quality to water use
<input type="checkbox"/>	Pollution prevention
<input type="checkbox"/>	Salt and salinity management
<input type="checkbox"/>	Urban storm water runoff management
Practice Resource Stewardship	
<input type="checkbox"/>	Agricultural land stewardship
<input checked="" type="checkbox"/>	Ecosystem restoration
<input checked="" type="checkbox"/>	Forest management
<input type="checkbox"/>	Land use planning and management
<input type="checkbox"/>	Recharge area protection
<input type="checkbox"/>	Sediment management
<input checked="" type="checkbox"/>	Watershed management
People and Water	
<input type="checkbox"/>	Economic incentives
<input type="checkbox"/>	Outreach and engagement
<input checked="" type="checkbox"/>	Water and culture
<input type="checkbox"/>	Water-dependent recreation
<input type="checkbox"/>	Wastewater/NPDES

MEASURABLE OUTCOMES

This may be simple, but it must be specific. It may include measures such as: “miles of fence laid”, “number of stakeholders contacted”, or “acres of forest treated”.

Acres treated =200

People reached = 8,000

Miles of Roadway improved for evacuation = 3

LOCAL PLANNING DOCUMENTS

Are there any local planning documents that address and/or support your project? If so, explain.

The project is supported by the Butte County Community Wildfire Protection Plan and Hazard Mitigation Plan.

STEP 1 UPPER FEATHER RIVER IRWM Implementation Project Application 2018

The Upper Feather River Regional Water Management Group is accepting applications from interested stakeholders who wish to have project(s) included in the Upper Feather River Integrated Regional Water Management (IRWM) Plan. Please note that this is not a grant application at this stage; this application is to submit your project for consideration for inclusion in the IRWM Plan as an implementation project, which will then be eligible to apply for upcoming IRWM grant solicitations.

Projects eligible for inclusion in the Plan must meet the following criteria:

- Be located within the geographic boundaries of the Upper Feather River IRWM Region (see website for the Region Description and map).
- Address water resource management issues in the Upper Feather River Region, including water supply, water quality, forest and watershed management, and/or natural resource enhancement.
- Be consistent with the Region's goals and objectives (<http://featherriver.org/ufr-irwm-plan/>).

See the Upper Feather River IRWM website for the Plan, maps, current list of implementation projects, and information about the Regional Water Management Group: <http://featherriver.org/>. Questions may be directed to Uma Hinman, IRWM Program Coordinator, at ufr.contact@gmail.com or (916) 813-0818.

PROJECT NAME: *Feather Falls Forest Health and Watershed Protection Project*

PROJECT SPONSOR(S): *Butte County Fire Safe Council*

Phone: 530-877-0984

Email: firesafe@buttefiresafe.net

PROJECT TYPE:

Place an "x" next to the appropriate project type. If none of the provided categories are appropriate, please provide your own in the box called "other." If your project consists of more than 1 project type, please use a "1, 2, 3" mechanism to rank the types in order of importance or share of the budget.

<input type="checkbox"/>	Agriculture
<input type="checkbox"/>	Community
<input checked="" type="checkbox"/>	Education
<input checked="" type="checkbox"/>	Fire and Fuels
<input type="checkbox"/>	Flooding
<input type="checkbox"/>	Habitat and Environment
<input type="checkbox"/>	Infrastructure
<input type="checkbox"/>	Invasive Species
<input type="checkbox"/>	Recreation
<input type="checkbox"/>	Water Quality
<input checked="" type="checkbox"/>	Water Supply
<input type="checkbox"/>	Other – <i>please describe:</i>

BRIEF DESCRIPTION OF PROJECT: *Provide the basic details of your project, including WHAT, WHERE, WHEN, HOW (No more than a single page, 250 words).*

The project will reduce wildfire risk by improving forest health through thinning and fuels reduction. The project will increase water release by reducing the amount of water taken by overstocked forested stands. The project will take place around the residential portions of Feather Falls, adjacent to US FS lands, along key ingress and evacuation routes as well as ridge lines for wildfire defense. A variety of fuels treatments have been successful in Butte County historically and will be used for this project including: hand cut and pile burn, mastication, prescribed fire, lop and scatter, as well as hand cut and chip. Feather Falls FSC formed over a decade ago and received Firewise USA recognition. Coordination with the group, CALFIRE and USFS has taken place for many years. The area is in the CAL FIRE high hazard risk area and had a severe wildfire last year which burned 80 homes and impacted thousands of acres. The project will take place when funding is available and CEQA is complete. Preferably in spring of 2019.

PROJECT LOCATION: *Provide geographical location and latitude/longitude.*

Location is general area of Feather Falls with final project coordinates determined by the Community Wildfire Protection Plan landscape level planning group.

BRIEF PROJECT TIMELINE: *Include basic information regarding project milestones or deliverables with timeline.*

	Month	Month	Month	Month
Task 1: CEQA	1/1/2019	Click or tap to enter a date.	Click or tap to enter a date.	Click or tap to enter a date.
Task 2: Hire Fuels Reduction Crews	9/1/2019	Click or tap to enter a date.	Click or tap to enter a date.	Click or tap to enter a date.
Task 3: Oversee work and public education	6/1/2022	Click or tap to enter a date.	Click or tap to enter a date.	Click or tap to enter a date.
Task 4: Click or tap here to enter text.	Click or tap to enter a date.	Click or tap to enter a date.	Click or tap to enter a date.	Click or tap to enter a date.

COLLABORATORS/PARTNERS: *List partners in the appropriate columns below. Add more lines to table as needed.*

Potential Partners	Confirmed Partners
DWR	CAL FIRE
PUBLIC WORKS	BERRY CREEK FIRE SAFE COUNCIL
OFFICE OF EMERGENCY MANAGEMENT	US FOREST SERVICE
MOORETOWN RANCHERIA	SACRAMENTO RIVER WATERSHED PROGRAM
Click or tap here to enter text.	Click or tap here to enter text.

PROJECT STATUS

Design complete	<input type="checkbox"/>	Yes
	<input checked="" type="checkbox"/>	No (provide details below)
	<i>Details: the project boundaries will be completed through the current landscape level planning process undertaken by the community wildfire protection plan landscape level working group</i>	
Engineering complete	<input type="checkbox"/>	Yes
	<input checked="" type="checkbox"/>	No (provide details below)

	<i>Details: no engineering needed</i>	
Project does not require technical design or engineering	<i>Provide details: no technical design needed</i>	
CEQA/NEPA complete	<input type="checkbox"/>	Yes
	<input type="checkbox"/>	No (provide details below)
	<i>Details: CEQA has been completed for work along Lumpkin Road but will need to be completed for the entirety of the project.</i>	
No CEQA required	<i>Provide details: Click or tap here to enter text.</i>	
No NEPA required	<i>Provide details: Click or tap here to enter text.</i>	
Performance Measures identified ¹	<input checked="" type="checkbox"/>	Yes
	<input type="checkbox"/>	No (provide details below)
	<i>Details: acres treated or improved, number of people educated, miles of roadway improved for evacuation</i>	
Monitoring Plan complete	<input type="checkbox"/>	Yes
	<input checked="" type="checkbox"/>	No (provide details below)
	<i>Details: past monitoring has included photo points with GPS verification but future monitoring will have more data needs to be assisted with the Sacramento River Watershed Program data portal</i>	

BUDGET

Total Project Budget:	Budget: \$300,000
Match	Amount: \$80,000
	Source: CAL FIRE crew time, volunteer match and matching grants
Match	Amount: Click or tap here to enter text.
	Source: Click or tap here to enter text.

UPPER FEATHER RIVER IRWM PLAN OBJECTIVES ADDRESSED

Place an "x" next to all issues that your project deals with. If none of the provided categories are appropriate, please provide your own in the box called "other."

¹ Performance measures are a required component of DWR-funded implementation projects, and can also be described as deliverables.

✓	Upper Feather River IRWM Objectives:	Brief explanation of project linkage to selected Objective
<input type="checkbox"/>	Restore natural hydrologic functions.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Reduce potential for catastrophic wildland fires in the Region.	Reduce wildfire risk on 250 acres of forest
<input type="checkbox"/>	Build communication and collaboration among water resources stakeholders in the Region.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Work with DWR to develop strategies and actions for the management, operation, and control of SWP facilities in the Upper Feather River Watershed in order to increase water supply, recreational, and environmental benefits to the Region.	There is a current partnership in place with DWR and BCFSC to implement the fuel load management plan around Lake Oroville
<input checked="" type="checkbox"/>	Encourage municipal service providers to participate in regional water management actions that improve water supply and water quality.	Forest thinning work examples will encourage other municipal services to do the same
<input type="checkbox"/>	Continue to actively engage in FERC relicensing of hydroelectric facilities in the Region.	Click or tap here to enter text.
<input type="checkbox"/>	Address economic challenges of municipal service providers to serve customers.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Protect, restore, and enhance the quality of surface and groundwater resources for all beneficial uses, consistent with the RWQC Basin Plan.	Improve forest health through thinning and release of water from thinning
<input type="checkbox"/>	Address water resources and wastewater needs of DACs and Native Americans.	Click or tap here to enter text.
<input type="checkbox"/>	Coordinate management of recharge areas and protect groundwater resources.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Improve coordination of land use and water resources planning.	Will work with multiple partners for multiple benefits
<input type="checkbox"/>	Maximize agricultural, environmental and municipal water use efficiency.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Effectively address climate change adaptation and/or mitigation in water resources management.	Reduce potential green house gas emissions by reducing forest overgrowth
<input type="checkbox"/>	Improve efficiency and reliability of water supply and other water-related infrastructure.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Enhance public awareness and understanding of water management issues and needs.	Provide firewise and water wise education to the community
<input type="checkbox"/>	Address economic challenges of agricultural producers.	Click or tap here to enter text.
<input type="checkbox"/>	Work with counties/ communities/groups to make sure staff capacity exists for actual administration and implementation of grant funding.	Click or tap here to enter text.
<input type="checkbox"/>	<i>Other (please describe):</i>	Click or tap here to enter text.

RESOURCE MANAGEMENT STRATEGIES ADDRESSED

Place an "x" next to all resource management strategies that your project addresses.

✓	Resource Management Strategy
Reduce Water Demand	
<input type="checkbox"/>	Agricultural Water Use Efficiency
<input type="checkbox"/>	Urban water use efficiency

√	Resource Management Strategy
Improve Flood Management	
<input type="checkbox"/>	Flood management
Improve Operational Efficiency and Transfers	
<input type="checkbox"/>	Conveyance – regional/local
<input type="checkbox"/>	System reoperation
<input type="checkbox"/>	Water transfers
Increase Water Supply	
<input checked="" type="checkbox"/>	Conjunctive management
<input type="checkbox"/>	Precipitation Enhancement
<input type="checkbox"/>	Municipal recycled water
<input type="checkbox"/>	Surface storage – regional/local
Improve Water Quality	
<input type="checkbox"/>	Drinking water treatment and distribution
<input checked="" type="checkbox"/>	Groundwater remediation/aquifer remediation
<input type="checkbox"/>	Matching water quality to water use
<input type="checkbox"/>	Pollution prevention
<input type="checkbox"/>	Salt and salinity management
<input type="checkbox"/>	Urban storm water runoff management
Practice Resource Stewardship	
<input type="checkbox"/>	Agricultural land stewardship
<input checked="" type="checkbox"/>	Ecosystem restoration
<input checked="" type="checkbox"/>	Forest management
<input type="checkbox"/>	Land use planning and management
<input type="checkbox"/>	Recharge area protection
<input type="checkbox"/>	Sediment management
<input checked="" type="checkbox"/>	Watershed management
People and Water	
<input type="checkbox"/>	Economic incentives
<input type="checkbox"/>	Outreach and engagement
<input checked="" type="checkbox"/>	Water and culture
<input type="checkbox"/>	Water-dependent recreation
<input type="checkbox"/>	Wastewater/NPDES

MEASURABLE OUTCOMES

This may be simple, but it must be specific. It may include measures such as: “miles of fence laid”, “number of stakeholders contacted”, or “acres of forest treated”.

Acres treated = 150

People reached = 5,000

Miles of Roadway improved for evacuation = 3

LOCAL PLANNING DOCUMENTS

Are there any local planning documents that address and/or support your project? If so, explain.

The project is supported by the Butte County Community Wildfire Protection Plan and Hazard Mitigation Plan.

STEP 1 UPPER FEATHER RIVER IRWM Implementation Project Application 2018

The Upper Feather River Regional Water Management Group is accepting applications from interested stakeholders who wish to have project(s) included in the Upper Feather River Integrated Regional Water Management (IRWM) Plan. Please note that this is not a grant application at this stage; this application is to submit your project for consideration for inclusion in the IRWM Plan as an implementation project, which will then be eligible to apply for upcoming IRWM grant solicitations.

Projects eligible for inclusion in the Plan must meet the following criteria:

- Be located within the geographic boundaries of the Upper Feather River IRWM Region (see website for the Region Description and map).
- Address water resource management issues in the Upper Feather River Region, including water supply, water quality, forest and watershed management, and/or natural resource enhancement.
- Be consistent with the Region's goals and objectives (<http://featherriver.org/ufr-irwm-plan/>).

See the Upper Feather River IRWM website for the Plan, maps, current list of implementation projects, and information about the Regional Water Management Group: <http://featherriver.org/>. Questions may be directed to Uma Hinman, IRWM Program Coordinator, at ufr.contact@gmail.com or (916) 813-0818.

PROJECT NAME: *Forbestown Ridge Forest Health and Watershed Protection Project*

PROJECT SPONSOR(S): *Sacramento River Watershed Program and 34 North*

Phone: 530-781-2220

Email: holly@sacriver.org

PROJECT TYPE:

Place an "x" next to the appropriate project type. If none of the provided categories are appropriate, please provide your own in the box called "other." If your project consists of more than 1 project type, please use a "1, 2, 3" mechanism to rank the types in order of importance or share of the budget.

<input type="checkbox"/>	Agriculture
<input checked="" type="checkbox"/>	Community - 4
<input checked="" type="checkbox"/>	Education - 3
<input checked="" type="checkbox"/>	Fire and Fuels - 1
<input type="checkbox"/>	Flooding
<input type="checkbox"/>	Habitat and Environment
<input type="checkbox"/>	Infrastructure
<input type="checkbox"/>	Invasive Species
<input type="checkbox"/>	Recreation
<input type="checkbox"/>	Water Quality
<input checked="" type="checkbox"/>	Water Supply - 2
<input type="checkbox"/>	Other – <i>please describe:</i>

BRIEF DESCRIPTION OF PROJECT: *Provide the basic details of your project, including WHAT, WHERE, WHEN, HOW (No more than a single page, 250 words).*

The project will reduce wildfire risk by improving forest health through thinning and fuels reduction and increase water release by reducing the amount of water taken by overstocked forested stands. The project will take place on private lands. A variety of fuels treatments have been successful in Butte County historically and will be used for this project including: hand cut and pile burn, mastication, prescribed fire, lop and scatter, as well as hand cut and chip. The Forbestown Ridge project area includes the communities of Forbestown and Merry Mountain Village, a local homeowner association located in the community of Clipper Mills. These communities have active fire safe councils 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.

PROJECT LOCATION: *Provide geographical location and latitude/longitude.*

Location is general area of Berry Creek with final project coordinates determined by the Community Wildfire Protection Plan landscape level planning group.

BRIEF PROJECT TIMELINE: *Include basic information regarding project milestones or deliverables with timeline.*

	Month	Month	Month	Month
Task 1: CEQA	1/1/2019	8/31/2019	Click or tap to enter a date.	Click or tap to enter a date.
Task 2: Restoration Work	9/1/2019	9/1/2021	Click or tap to enter a date.	Click or tap to enter a date.
Task 3: Education and Outreach	9/1/2019	9/1/2021	Click or tap to enter a date.	Click or tap to enter a date.
Task 4: Web-based Tool Development	9/1/2019	9/1/2021	Click or tap to enter a date.	Click or tap to enter a date.

COLLABORATORS/PARTNERS: *List partners in the appropriate columns below. Add more lines to table as needed.*

Potential Partners	Confirmed Partners
DWR	CAL FIRE
BUTTE COUNTY OEM	BUTTE COUNTY AND FORBESTOWN RIDGE FIRE SAFE COUNCILS
AMERICAN FOREST FOUNDATION	US FOREST SERVICE
SOPER WHEELER COMPANY	SWRCB - CVRWQCB
NRCS	MOORETOWN RANCHERIA

PROJECT STATUS

Design complete	<input type="checkbox"/>	Yes
	<input checked="" type="checkbox"/>	No (provide details below)
	<i>Details: the project boundaries will be completed through the current landscape level planning process undertaken by the community wildfire protection plan landscape level working group</i>	
Engineering complete	<input type="checkbox"/>	Yes
	<input checked="" type="checkbox"/>	No (provide details below)

	<i>Details: no engineering needed</i>	
Project does not require technical design or engineering	<i>Provide details: no technical design needed</i>	
CEQA/NEPA complete	<input type="checkbox"/>	Yes
	<input type="checkbox"/>	No (provide details below)
	<i>Details: CEQA has been completed on areas adjacent to project area but will need to be completed for the entirety of the project.</i>	
No CEQA required	<i>Provide details: Click or tap here to enter text.</i>	
No NEPA required	<i>Provide details: Click or tap here to enter text.</i>	
Performance Measures identified ¹	<input checked="" type="checkbox"/>	Yes
	<input type="checkbox"/>	No (provide details below)
	<i>Details: Acres treated or improved and number of stakeholders engaged.</i>	
Monitoring Plan complete	<input type="checkbox"/>	Yes
	<input checked="" type="checkbox"/>	No (provide details below)
	<i>Details: Web-based tool will be developed to support the prioritization, implementation and monitoring of this and other projects in the UFR.</i>	

BUDGET

Total Project Budget:	Budget: \$500,000
Match	Amount: \$65,000
	Source: CWPP Workgroup in-kind including CalFire
Match	Amount: \$22,000
	Source: 34 North technical assistance

UPPER FEATHER RIVER IRWM PLAN OBJECTIVES ADDRESSED

Place an "x" next to all issues that your project deals with. If none of the provided categories are appropriate, please provide your own in the box called "other."

✓	Upper Feather River IRWM Objectives:	Brief explanation of project linkage to selected Objective
<input checked="" type="checkbox"/>	Restore natural hydrologic functions.	Restore natural watershed functions
<input checked="" type="checkbox"/>	Reduce potential for catastrophic wildland fires in the Region.	Contribute to the reduction of catastrophic wildfire threats

¹ Performance measures are a required component of DWR-funded implementation projects, and can also be described as deliverables.

✓	Upper Feather River IRWM Objectives:	Brief explanation of project linkage to selected Objective
<input checked="" type="checkbox"/>	Build communication and collaboration among water resources stakeholders in the Region.	Web-based forest health tool links regional, state and federal priorities and provides framework to support the prioritization, implementation and monitoring of watershed planning and restoration efforts
<input checked="" type="checkbox"/>	Work with DWR to develop strategies and actions for the management, operation, and control of SWP facilities in the Upper Feather River Watershed in order to increase water supply, recreational, and environmental benefits to the Region.	Web-based forest health tool links regional, state and federal priorities and provides framework to support the prioritization, implementation and monitoring of watershed planning and restoration efforts
<input checked="" type="checkbox"/>	Encourage municipal service providers to participate in regional water management actions that improve water supply and water quality.	Web-based forest health tool encourages strategic prioritization of projects, reduces redundancy, and helps achieve synergistic watershed level restoration benefits
<input type="checkbox"/>	Continue to actively engage in FERC relicensing of hydroelectric facilities in the Region.	Click or tap here to enter text.
<input type="checkbox"/>	Address economic challenges of municipal service providers to serve customers.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Protect, restore, and enhance the quality of surface and groundwater resources for all beneficial uses, consistent with the RWQC Basin Plan.	Restore natural watershed functions and improve comprehensive watershed planning and restoration efforts
<input type="checkbox"/>	Address water resources and wastewater needs of DACs and Native Americans.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Coordinate management of recharge areas and protect groundwater resources.	Restore natural watershed functions and improve comprehensive watershed planning and restoration efforts
<input checked="" type="checkbox"/>	Improve coordination of land use and water resources planning.	Web-based forest health tool encourages strategic prioritization of projects, reduces redundancy, and helps achieve synergistic watershed level restoration benefits
<input type="checkbox"/>	Maximize agricultural, environmental and municipal water use efficiency.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Effectively address climate change adaptation and/or mitigation in water resources management.	Increase forest diversity and resiliency to better adapt to the stresses of climate change
<input checked="" type="checkbox"/>	Improve efficiency and reliability of water supply and other water-related infrastructure.	Safeguard a significant reservoir that supplies drinking water to nearby communities
<input checked="" type="checkbox"/>	Enhance public awareness and understanding of water management issues and needs.	Restore natural watershed functions, improve comprehensive watershed planning and restoration efforts, and foster understanding and information sharing
<input type="checkbox"/>	Address economic challenges of agricultural producers.	Click or tap here to enter text.

✓	Upper Feather River IRWM Objectives:	Brief explanation of project linkage to selected Objective
<input type="checkbox"/>	Work with counties/ communities/groups to make sure staff capacity exists for actual administration and implementation of grant funding.	Web-based forest health tool encourages strategic prioritization of projects, reduces redundancy, and helps achieve synergistic watershed level restoration benefits
<input type="checkbox"/>	<i>Other (please describe):</i>	Click or tap here to enter text.

RESOURCE MANAGEMENT STRATEGIES ADDRESSED

Place an "x" next to all resource management strategies that your project addresses.

✓	Resource Management Strategy
Reduce Water Demand	
<input type="checkbox"/>	Agricultural Water Use Efficiency
<input type="checkbox"/>	Urban water use efficiency
Improve Flood Management	
<input type="checkbox"/>	Flood management
Improve Operational Efficiency and Transfers	
<input type="checkbox"/>	Conveyance – regional/local
<input type="checkbox"/>	System reoperation
<input type="checkbox"/>	Water transfers
Increase Water Supply	
<input checked="" type="checkbox"/>	Conjunctive management
<input type="checkbox"/>	Precipitation Enhancement
<input type="checkbox"/>	Municipal recycled water
<input type="checkbox"/>	Surface storage – regional/local
Improve Water Quality	
<input type="checkbox"/>	Drinking water treatment and distribution
<input checked="" type="checkbox"/>	Groundwater remediation/aquifer remediation
<input type="checkbox"/>	Matching water quality to water use
<input type="checkbox"/>	Pollution prevention
<input type="checkbox"/>	Salt and salinity management
<input type="checkbox"/>	Urban storm water runoff management
Practice Resource Stewardship	
<input type="checkbox"/>	Agricultural land stewardship
<input checked="" type="checkbox"/>	Ecosystem restoration
<input checked="" type="checkbox"/>	Forest management
<input checked="" type="checkbox"/>	Land use planning and management
<input checked="" type="checkbox"/>	Recharge area protection
<input type="checkbox"/>	Sediment management
<input checked="" type="checkbox"/>	Watershed management
People and Water	
<input type="checkbox"/>	Economic incentives
<input checked="" type="checkbox"/>	Outreach and engagement
<input checked="" type="checkbox"/>	Water and culture
<input type="checkbox"/>	Water-dependent recreation
<input type="checkbox"/>	Wastewater/NPDES

MEASURABLE OUTCOMES

This may be simple, but it must be specific. It may include measures such as: “miles of fence laid”, “number of stakeholders contacted”, or “acres of forest treated”.

- **Acres of forested watershed treated = 250**
- **Number of stakeholders reached via meetings, presentations, materials, web-based tools, and social media = 14,850**

LOCAL PLANNING DOCUMENTS

Are there any local planning documents that address and/or support your project? If so, explain.

The proposed project is supported by the Butte County Community Wildfire Protection Plan (CWPP) and is in conformance with the Butte County Local Hazard Mitigation Plan strategy for “minimizing risk and vulnerability of the community to hazards and reduced damages and protect lives, properties and public health in Butte County”. The proposed Project complements the Sierra Nevada Conservancy's Watershed Improvement Program's (WIP) effort to increase the pace and scale of forest restoration by contributing to the unifying framework required to restore the resiliency of California's primary watersheds.

STEP 1 UPPER FEATHER RIVER IRWM Implementation Project Application 2018

The Upper Feather River Regional Water Management Group is accepting applications from interested stakeholders who wish to have project(s) included in the Upper Feather River Integrated Regional Water Management (IRWM) Plan. Please note that this is not a grant application at this stage; this application is to submit your project for consideration for inclusion in the IRWM Plan as an implementation project, which will then be eligible to apply for upcoming IRWM grant solicitations.

Projects eligible for inclusion in the Plan must meet the following criteria:

- Be located within the geographic boundaries of the Upper Feather River IRWM Region (see website for the Region Description and map).
- Address water resource management issues in the Upper Feather River Region, including water supply, water quality, forest and watershed management, and/or natural resource enhancement.
- Be consistent with the Region's goals and objectives (<http://featherriver.org/ufr-irwm-plan/>).

See the Upper Feather River IRWM website for the Plan, maps, current list of implementation projects, and information about the Regional Water Management Group: <http://featherriver.org/>. Questions may be directed to Uma Hinman, IRWM Program Coordinator, at ufr.contact@gmail.com or (916) 813-0818.

PROJECT NAME: WOLF CREEK SEWER CROSSING REPLACEMENT PROJECT

PROJECT SPONSOR(S): INDIAN VALLEY COMMUNITY SERVICES DISTRICT

Phone: (530) 284-7224

Email: chrisgallagher@frontier.com

PROJECT TYPE:

Place an "x" next to the appropriate project type. If none of the provided categories are appropriate, please provide your own in the box called "other." If your project consists of more than 1 project type, please use a "1, 2, 3" mechanism to rank the types in order of importance or share of the budget.

<input type="checkbox"/>	Agriculture
<input type="checkbox"/>	Community
<input type="checkbox"/>	Education
<input type="checkbox"/>	Fire and Fuels
<input checked="" type="checkbox"/>	Flooding
<input checked="" type="checkbox"/>	Habitat and Environment
<input checked="" type="checkbox"/>	Infrastructure
<input type="checkbox"/>	Invasive Species
<input type="checkbox"/>	Recreation
<input checked="" type="checkbox"/>	Water Quality
<input type="checkbox"/>	Water Supply
<input type="checkbox"/>	Other – <i>please describe:</i>

BRIEF DESCRIPTION OF PROJECT: Provide the basic details of your project, including WHAT, WHERE, WHEN, HOW (No more than a single page, 250 words).

Project includes the replacement of a suspended sewer pipeline that crosses Wolf Creek near the town of Greenville. The pipeline in question was washed out due to a high water event during the Winter of 2017. Engineered plans and specifications for the project are complete.

The District proposes raising the elevation of the pipeline crossing to be better protected and prevent sewer spills associated with future flood events. Because the original pipeline connected to a sewer lift station immediately downstream from the crossing, the potential exists to move the lift station to the upstream side of the crossing and significantly raise the elevation of the pipe over the river.

The scope of the project would include construction of a new sewer lift station on the upstream side of the crossing. A new bridge structure would also be installed. The bridge structure would support and protect the new pipeline at the higher elevation while also providing improved access for maintenance personnel to access the lift station in the new location for regular maintenance activities.

PROJECT LOCATION: Provide geographical location and latitude/longitude.
Crossing Wolf Creek about 600 ft. due West of the Sewer Ponds in Greenville, CA.

120°55'52.90"W, 40° 8'21.54" N

BRIEF PROJECT TIMELINE: Include basic information regarding project milestones or deliverables with timeline.

	Start Date	End Date	Month
Task 1: Funding Acquisition	05/01/18	03/02/2019	
Task 2: Bidding & Contract Award	04/01/19	05/30/19	
Task 3: Construction	05/30/2019	09/30/2019	

COLLABORATORS/PARTNERS: List partners in the appropriate columns below. Add more lines to table as needed.

Potential Partners	Confirmed Partners
California Rural Water Association	FEMA
California Department of Fish & Wildlife	

PROJECT STATUS

Design complete	<input checked="" type="checkbox"/>	Yes
	<input type="checkbox"/>	No (provide details below)
	<i>Details: Plans and specifications have been completed for the project.</i>	
Engineering complete	<input checked="" type="checkbox"/>	Yes
	<input type="checkbox"/>	No (provide details below)
	<i>Details: Plans and specifications have been completed for the project.</i>	
Project does not require technical design or engineering	<i>Provide details:</i> Click or tap here to enter text.	
CEQA/NEPA complete	<input type="checkbox"/>	Yes
	<input checked="" type="checkbox"/>	No (provide details below)
	<i>Details: Project anticipates Categorical Exemption due to replacement of existing facilities.</i>	
No CEQA required	<i>Provide details:</i>	
No NEPA required	<i>Provide details:</i>	
Performance Measures identified ¹	<input checked="" type="checkbox"/>	Yes
	<input type="checkbox"/>	No (provide details below)
	<i>Details: Performance measures include:</i> 1. Successful project startup and operation of new lift station and bridge structure. 2. Project acceptance and final Notice of Completion for proposed construction project.	
Monitoring Plan complete	<input type="checkbox"/>	Yes
	<input checked="" type="checkbox"/>	No (provide details below)
	<i>Details: Click or tap here to enter text.</i>	

1

Performance measures are a required component of DWR-funded implementation projects, and can also be described as deliverables.

BUDGET

Total Project Budget:	Budget: \$450,000
Match	Amount: \$125,000
	Source: FEMA
Match	Amount: Click or tap here to enter text.
	Source: Click or tap here to enter text.

UPPER FEATHER RIVER IRWM PLAN OBJECTIVES ADDRESSED

Place an "x" next to all issues that your project deals with. If none of the provided categories are appropriate, please provide your own in the box called "other."

✓	Upper Feather River IRWM Objectives:	Brief explanation of project linkage to selected Objective
<input checked="" type="checkbox"/>	Restore natural hydrologic functions.	Removal of low hanging pipeline will eliminate potential obstruction to natural river course during high water events.
<input type="checkbox"/>	Reduce potential for catastrophic wildland fires in the Region.	
<input type="checkbox"/>	Build communication and collaboration among water resources stakeholders in the Region.	
<input type="checkbox"/>	Work with DWR to develop strategies and actions for the management, operation, and control of SWP facilities in the Upper Feather River Watershed in order to increase water supply, recreational, and environmental benefits to the Region.	
<input type="checkbox"/>	Encourage municipal service providers to participate in regional water management actions that improve water supply and water quality.	
<input type="checkbox"/>	Continue to actively engage in FERC relicensing of hydroelectric facilities in the Region.	
<input checked="" type="checkbox"/>	Address economic challenges of municipal service providers to serve customers.	Potential funding lessens burden to existing rate payers and reduces the likelihood of future repair costs associated with pipeline failures.
<input checked="" type="checkbox"/>	Protect, restore, and enhance the quality of surface and groundwater resources for all beneficial uses, consistent with the RWQC Basin Plan.	Project reduces the likelihood of future pipeline failures and sanitary sewer discharges thus enhancing surface water quality.
<input type="checkbox"/>	Address water resources and wastewater needs of DACs and Native Americans.	
<input type="checkbox"/>	Coordinate management of recharge areas and protect groundwater resources.	
<input type="checkbox"/>	Improve coordination of land use and water resources	

✓	Upper Feather River IRWM Objectives:	Brief explanation of project linkage to selected Objective
	planning.	
<input type="checkbox"/>	Maximize agricultural, environmental and municipal water use efficiency.	
<input type="checkbox"/>	Effectively address climate change adaptation and/or mitigation in water resources management.	
<input type="checkbox"/>	Improve efficiency and reliability of water supply and other water-related infrastructure.	
<input type="checkbox"/>	Enhance public awareness and understanding of water management issues and needs.	
<input type="checkbox"/>	Address economic challenges of agricultural producers.	
<input type="checkbox"/>	Work with counties/ communities/groups to make sure staff capacity exists for actual administration and implementation of grant funding.	
<input type="checkbox"/>	Other (please describe):	

RESOURCE MANAGEMENT STRATEGIES ADDRESSED

Place an "x" next to all resource management strategies that your project addresses.

✓	Resource Management Strategy
Reduce Water Demand	
<input type="checkbox"/>	Agricultural Water Use Efficiency
<input type="checkbox"/>	Urban water use efficiency
Improve Flood Management	
<input checked="" type="checkbox"/>	Flood management
Improve Operational Efficiency and Transfers	
<input checked="" type="checkbox"/>	Conveyance – regional/local
<input checked="" type="checkbox"/>	System reoperation
<input type="checkbox"/>	Water transfers
Increase Water Supply	
<input type="checkbox"/>	Conjunctive management
<input type="checkbox"/>	Precipitation Enhancement
<input type="checkbox"/>	Municipal recycled water
<input type="checkbox"/>	Surface storage – regional/local
Improve Water Quality	
<input type="checkbox"/>	Drinking water treatment and distribution
<input type="checkbox"/>	Groundwater remediation/aquifer remediation
<input type="checkbox"/>	Matching water quality to water use
<input checked="" type="checkbox"/>	Pollution prevention
<input type="checkbox"/>	Salt and salinity management
<input type="checkbox"/>	Urban storm water runoff management
Practice Resource Stewardship	
<input type="checkbox"/>	Agricultural land stewardship
<input type="checkbox"/>	Ecosystem restoration
<input type="checkbox"/>	Forest management
<input type="checkbox"/>	Land use planning and management

√	Resource Management Strategy
<input type="checkbox"/>	Recharge area protection
<input type="checkbox"/>	Sediment management
<input type="checkbox"/>	Watershed management
People and Water	
<input type="checkbox"/>	Economic incentives
<input type="checkbox"/>	Outreach and engagement
<input type="checkbox"/>	Water and culture
<input type="checkbox"/>	Water-dependent recreation
<input checked="" type="checkbox"/>	Wastewater/NPDES

MEASURABLE OUTCOMES*River obstruction removed**Potential water quality hazard removed**New facility functional acceptance testing***LOCAL PLANNING DOCUMENTS**

Are there any local planning documents that address and/or support your project? If so, explain.

None

STEP 1 UPPER FEATHER RIVER IRWM Implementation Project Application 2018

The Upper Feather River Regional Water Management Group is accepting applications from interested stakeholders who wish to have project(s) included in the Upper Feather River Integrated Regional Water Management (IRWM) Plan. Please note that this is not a grant application at this stage; this application is to submit your project for consideration for inclusion in the IRWM Plan as an implementation project, which will then be eligible to apply for upcoming IRWM grant solicitations.

Projects eligible for inclusion in the Plan must meet the following criteria:

- Be located within the geographic boundaries of the Upper Feather River IRWM Region (see website for the Region Description and map).
- Address water resource management issues in the Upper Feather River Region, including water supply, water quality, forest and watershed management, and/or natural resource enhancement.
- Be consistent with the Region's goals and objectives (<http://featherriver.org/ufr-irwm-plan/>).

See the Upper Feather River IRWM website for the Plan, maps, current list of implementation projects, and information about the Regional Water Management Group: <http://featherriver.org/>. Questions may be directed to Uma Hinman, IRWM Program Coordinator, at ufr.contact@gmail.com or (916) 813-0818.

PROJECT NAME: *Crescent Mills Raw Water Iron and Manganese Treatment Project*

PROJECT SPONSOR(S): *Indian Valley Community Services District*

Phone: 530-284-7224

Email: chrisgallagher@frontier.com

PROJECT TYPE:

Place an "x" next to the appropriate project type. If none of the provided categories are appropriate, please provide your own in the box called "other." If your project consists of more than 1 project type, please use a "1, 2, 3" mechanism to rank the types in order of importance or share of the budget.

<input type="checkbox"/>	Agriculture
<input checked="" type="checkbox"/>	Community
<input type="checkbox"/>	Education
<input type="checkbox"/>	Fire and Fuels
<input type="checkbox"/>	Flooding
<input type="checkbox"/>	Habitat and Environment
<input type="checkbox"/>	Infrastructure
<input type="checkbox"/>	Invasive Species
<input type="checkbox"/>	Recreation
<input checked="" type="checkbox"/>	Water Quality
<input type="checkbox"/>	Water Supply
<input type="checkbox"/>	Other – please describe:

BRIEF DESCRIPTION OF PROJECT: *The Crescent Mills water supply comes out of the Green Mountain Mine. This water source contains high amounts of iron and manganese. We currently treat for these elements near the area of distribution. In order to protect and improve water quality and water supply reliability in the Crescent Mills area, two new chemical pumps need to be installed and two water lines*

run approximately 300 yards closer to the source to a point where the water could be treated for iron and manganese farther away from the distribution point. The chemical reaction occurring up the line would increase contact and allow for additional time to remove these elements from the water source prior to de-filtration and customer distribution, thus improving water quality. We also propose to purchase a line cleaning tool (PIG) to remove iron buildup in the existing water distribution system, once again improving quality and reliability of the source. The project completion date would be the summer of 2019.

PROJECT LOCATION: 40° 5'53.64"N/ 120°55'4.31"W

BRIEF PROJECT TIMELINE: Include basic information regarding project milestones or deliverables with timeline.

	Month	Month
Task 1: Order pumps and piping	7/1/2019	7/15/2019
Task 2: Excavate trench for pipe	7/15/2019	7/30/2019
Task 3: Install pipe and connect to pump	8/1/2019	8/15/2019
Task 4: Connect to existing distribution system	8/15/2019	8/31/2019

COLLABORATORS/PARTNERS: List partners in the appropriate columns below. Add more lines to table as needed.

Potential Partners	Confirmed Partners
CALIFORNIA RURAL WATER	
CALIFORNIA WATER BOARD	

PROJECT STATUS

Design complete	<input checked="" type="checkbox"/>	Yes
	<input type="checkbox"/>	No (provide details below)
	Details: Engineer Sig Hansen has completed the engineering and design for this project. This project is shovel ready.	
Engineering complete	<input checked="" type="checkbox"/>	Yes
	<input type="checkbox"/>	No (provide details below)
	Details: Engineer Sig Hansen has completed the engineering and design for this project. See attachment.	
Project does not require technical	Provide details: Click or tap here to enter text.	

design or engineering		
CEQA/NEPA complete	<input type="checkbox"/>	Yes
	<input checked="" type="checkbox"/>	No (provide details below)
	<i>Details:</i> Click or tap here to enter text.	
No CEQA required	<i>Provide details:</i> New Construction or Conversion of Small Structures (CEQA Guidelines §15303)	
No NEPA required	<i>Provide details:</i> Click or tap here to enter text.	
Performance Measures identified ¹	<input checked="" type="checkbox"/>	Yes
	<input type="checkbox"/>	No (provide details below)
	<i>Details:</i> Click or tap here to enter text.	
Monitoring Plan complete	<input type="checkbox"/>	Yes
	<input type="checkbox"/>	No (provide details below)
	<i>Details:</i> Click or tap here to enter text.	

BUDGET

Total Project Budget:	Budget: Approximately \$50,000
Match	Amount: Our Agency is willing to do in kind work for installing system
	Source: Click or tap here to enter text.
Match	Amount: Click or tap here to enter text.
	Source: Click or tap here to enter text.

UPPER FEATHER RIVER IRWM PLAN OBJECTIVES ADDRESSED

Place an "x" next to all issues that your project deals with. If none of the provided categories are appropriate, please provide your own in the box called "other."

✓	Upper Feather River IRWM Objectives:	Brief explanation of project linkage to selected Objective
<input type="checkbox"/>	Restore natural hydrologic functions.	Click or tap here to enter text.
<input type="checkbox"/>	Reduce potential for catastrophic wildland fires in the Region.	Click or tap here to enter text.
<input type="checkbox"/>	Build communication and collaboration among water resources stakeholders in the Region.	Click or tap here to enter text.
<input type="checkbox"/>	Work with DWR to develop strategies and actions for the management, operation, and control of SWP facilities in	Click or tap here to enter text.

¹ Performance measures are a required component of DWR-funded implementation projects, and can also be described as deliverables.

✓	Upper Feather River IRWM Objectives:	Brief explanation of project linkage to selected Objective
	the Upper Feather River Watershed in order to increase water supply, recreational, and environmental benefits to the Region.	
<input checked="" type="checkbox"/>	Encourage municipal service providers to participate in regional water management actions that improve water supply and water quality.	We supply water to a community of 78 residences in Crescent Mills. This project would improve the water quality and supply to this community.
<input type="checkbox"/>	Continue to actively engage in FERC relicensing of hydroelectric facilities in the Region.	Click or tap here to enter text.
<input type="checkbox"/>	Address economic challenges of municipal service providers to serve customers.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Protect, restore, and enhance the quality of surface and groundwater resources for all beneficial uses, consistent with the RWQC Basin Plan.	This is a much needed water source in the area. Such a project would enhance the quality of the water distributed.
<input type="checkbox"/>	Address water resources and wastewater needs of DACs and Native Americans.	Click or tap here to enter text.
<input type="checkbox"/>	Coordinate management of recharge areas and protect groundwater resources.	Click or tap here to enter text.
<input type="checkbox"/>	Improve coordination of land use and water resources planning.	Click or tap here to enter text.
<input type="checkbox"/>	Maximize agricultural, environmental and municipal water use efficiency.	Click or tap here to enter text.
<input type="checkbox"/>	Effectively address climate change adaptation and/or mitigation in water resources management.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Improve efficiency and reliability of water supply and other water-related infrastructure.	By cleaning existing piping, we would assure the reliable transmission of water to each of the residences.
<input type="checkbox"/>	Enhance public awareness and understanding of water management issues and needs.	Click or tap here to enter text.
<input type="checkbox"/>	Address economic challenges of agricultural producers.	Click or tap here to enter text.
<input type="checkbox"/>	Work with counties/ communities/groups to make sure staff capacity exists for actual administration and implementation of grant funding.	Click or tap here to enter text.
<input type="checkbox"/>	Other (please describe):	Click or tap here to enter text.

RESOURCE MANAGEMENT STRATEGIES ADDRESSED

Place an "x" next to all resource management strategies that your project addresses.

✓	Resource Management Strategy
Reduce Water Demand	
<input type="checkbox"/>	Agricultural Water Use Efficiency
<input type="checkbox"/>	Urban water use efficiency
Improve Flood Management	
<input type="checkbox"/>	Flood management
Improve Operational Efficiency and Transfers	
<input type="checkbox"/>	Conveyance – regional/local
<input type="checkbox"/>	System reoperation

√	Resource Management Strategy
<input type="checkbox"/>	Water transfers
Increase Water Supply	
<input type="checkbox"/>	Conjunctive management
<input type="checkbox"/>	Precipitation Enhancement
<input type="checkbox"/>	Municipal recycled water
<input type="checkbox"/>	Surface storage – regional/local
Improve Water Quality	
<input checked="" type="checkbox"/>	Drinking water treatment and distribution
<input type="checkbox"/>	Groundwater remediation/aquifer remediation
<input type="checkbox"/>	Matching water quality to water use
<input type="checkbox"/>	Pollution prevention
<input type="checkbox"/>	Salt and salinity management
<input type="checkbox"/>	Urban storm water runoff management
Practice Resource Stewardship	
<input type="checkbox"/>	Agricultural land stewardship
<input type="checkbox"/>	Ecosystem restoration
<input type="checkbox"/>	Forest management
<input type="checkbox"/>	Land use planning and management
<input type="checkbox"/>	Recharge area protection
<input type="checkbox"/>	Sediment management
<input type="checkbox"/>	Watershed management
People and Water	
<input type="checkbox"/>	Economic incentives
<input type="checkbox"/>	Outreach and engagement
<input type="checkbox"/>	Water and culture
<input type="checkbox"/>	Water-dependent recreation
<input type="checkbox"/>	Wastewater/NPDES

MEASURABLE OUTCOMES

The Outcome would be a reduction of iron and manganese in the water distributed to the Crescent Mills residents.

LOCAL PLANNING DOCUMENTS

Are there any local planning documents that address and/or support your project? If so, explain.

STEP 1 UPPER FEATHER RIVER IRWM Implementation Project Application 2018

The Upper Feather River Regional Water Management Group is accepting applications from interested stakeholders who wish to have project(s) included in the Upper Feather River Integrated Regional Water Management (IRWM) Plan. Please note that this is not a grant application at this stage; this application is to submit your project for consideration for inclusion in the IRWM Plan as an implementation project, which will then be eligible to apply for upcoming IRWM grant solicitations.

Projects eligible for inclusion in the Plan must meet the following criteria:

- Be located within the geographic boundaries of the Upper Feather River IRWM Region (see website for the Region Description and map).
- Address water resource management issues in the Upper Feather River Region, including water supply, water quality, forest and watershed management, and/or natural resource enhancement.
- Be consistent with the Region's goals and objectives (<http://featherriver.org/ufr-irwm-plan/>).

See the Upper Feather River IRWM website for the Plan, maps, current list of implementation projects, and information about the Regional Water Management Group: <http://featherriver.org/>. Questions may be directed to Uma Hinman, IRWM Program Coordinator, at ufr.contact@gmail.com or (916) 813-0818.

PROJECT NAME: *Community Water Tank Inspection*

PROJECT SPONSOR(S): *INDIAN VALLEY COMMUNITY SERVICES DISTRICT*

Phone: (530) 284-7224

Email: Chrisgallagher@frontier.com

PROJECT TYPE:

Place an "x" next to the appropriate project type. If none of the provided categories are appropriate, please provide your own in the box called "other." If your project consists of more than 1 project type, please use a "1, 2, 3" mechanism to rank the types in order of importance or share of the budget.

<input type="checkbox"/>	Agriculture
<input type="checkbox"/>	Community
<input type="checkbox"/>	Education
<input type="checkbox"/>	Fire and Fuels
<input type="checkbox"/>	Flooding
<input type="checkbox"/>	Habitat and Environment
<input checked="" type="checkbox"/>	Infrastructure
<input type="checkbox"/>	Invasive Species
<input type="checkbox"/>	Recreation
<input checked="" type="checkbox"/>	Water Quality
<input checked="" type="checkbox"/>	Water Supply
<input type="checkbox"/>	Other – <i>please describe:</i>

BRIEF DESCRIPTION OF PROJECT: Click or tap here to enter text.

The Crescent Mills and Greenville Water systems have a total of three water storage tanks used to store water pumped from our ground wells. These tanks are various ages and we have no records of inspection or cleaning. In order to provide for the best quality water, we would like to inspect and clean

our storage tanks every five years. Such a process would extend the life of each of these tanks and assure the best quality of water for our customers.

We have located a local company that provides such services and is willing to assist the District with this project at a much reduced rate. This project would involve diving each tank, inspecting for maintenance issues, and cleaning sediment from the bottom of the tank.

PROJECT LOCATION: 40° 8'9.72"N 120°57'28.29"W and 40° 5'53.26"N 120°55'4.70"W

BRIEF PROJECT TIMELINE: Include basic information regarding project milestones or deliverables with timeline.

	Month	Month
Task 1: Funding Acquisition	06/01/2019	07/02/2019
Task 2: Bidding & Contract Award	08/01/2019	08/30/2019
Task 3: Construction	08/30/2019	09/30/2019

COLLABORATORS/PARTNERS: List partners in the appropriate columns below. Add more lines to table as needed.

Potential Partners	Confirmed Partners
--------------------	--------------------

PROJECT STATUS

Design complete	<input type="checkbox"/>	Yes
	<input checked="" type="checkbox"/>	No (provide details below)
	<i>Details:</i> Click or tap here to enter text.	
Engineering complete	<input type="checkbox"/>	Yes
	<input checked="" type="checkbox"/>	No (provide details below)
	<i>Details:</i> Click or tap here to enter text.	
Project does not require technical design or engineering	<i>Provide details: This project is simply a maintenance project fact finding mission to inspect our water storage systems.</i>	
CEQA/NEPA complete	<input type="checkbox"/>	Yes
	<input checked="" type="checkbox"/>	No (provide details below)
	<i>Details: Existing Facilities (CEQA Guidelines §15301) Class 1 exemptions consist of the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, or mechanical equipment, involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination that the project was exempt.</i>	
No CEQA required	<i>Provide details:</i> Click or tap here to enter text.	

No NEPA required	<i>Provide details: local project</i>	
Performance Measures identified ¹	<input type="checkbox"/>	Yes
	<input type="checkbox"/>	No (provide details below)
	<i>Details: Click or tap here to enter text.</i>	
Monitoring Plan complete	<input type="checkbox"/>	Yes
	<input type="checkbox"/>	No (provide details below)
	<i>Details: Click or tap here to enter text.</i>	

BUDGET

Total Project Budget:	Budget: \$30,000
Match	Amount: TBD
	Source: IVCS D Project Admin.
Match	Amount: <i>Click or tap here to enter text.</i>
	Source: <i>Click or tap here to enter text.</i>

UPPER FEATHER RIVER IRWM PLAN OBJECTIVES ADDRESSED

Place an "x" next to all issues that your project deals with. If none of the provided categories are appropriate, please provide your own in the box called "other."

✓	Upper Feather River IRWM Objectives:	Brief explanation of project linkage to selected Objective
<input type="checkbox"/>	Restore natural hydrologic functions.	<i>Click or tap here to enter text.</i>
<input type="checkbox"/>	Reduce potential for catastrophic wildland fires in the Region.	<i>Click or tap here to enter text.</i>
<input type="checkbox"/>	Build communication and collaboration among water resources stakeholders in the Region.	<i>Click or tap here to enter text.</i>
<input type="checkbox"/>	Work with DWR to develop strategies and actions for the management, operation, and control of SWP facilities in the Upper Feather River Watershed in order to increase water supply, recreational, and environmental benefits to the Region.	<i>Click or tap here to enter text.</i>
<input checked="" type="checkbox"/>	Encourage municipal service providers to participate in regional water management actions that improve water supply and water quality.	The cleaning and inspection of the water storage system assures supply and quality of the water to our customers.
<input type="checkbox"/>	Continue to actively engage in FERC relicensing of hydroelectric facilities in the Region.	<i>Click or tap here to enter text.</i>
<input type="checkbox"/>	Address economic challenges of municipal service providers to serve customers.	<i>Click or tap here to enter text.</i>

¹ Performance measures are a required component of DWR-funded implementation projects, and can also be described as deliverables.

✓	Upper Feather River IRWM Objectives:	Brief explanation of project linkage to selected Objective
<input type="checkbox"/>	Protect, restore, and enhance the quality of surface and groundwater resources for all beneficial uses, consistent with the RWQC Basin Plan.	Click or tap here to enter text.
<input type="checkbox"/>	Address water resources and wastewater needs of DACs and Native Americans.	Click or tap here to enter text.
<input type="checkbox"/>	Coordinate management of recharge areas and protect groundwater resources.	Click or tap here to enter text.
<input type="checkbox"/>	Improve coordination of land use and water resources planning.	Click or tap here to enter text.
<input type="checkbox"/>	Maximize agricultural, environmental and municipal water use efficiency.	Click or tap here to enter text.
<input type="checkbox"/>	Effectively address climate change adaptation and/or mitigation in water resources management.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Improve efficiency and reliability of water supply and other water-related infrastructure.	Assuring water quality to customers by regular maintenance of storage facilities.
<input type="checkbox"/>	Enhance public awareness and understanding of water management issues and needs.	Click or tap here to enter text.
<input type="checkbox"/>	Address economic challenges of agricultural producers.	Click or tap here to enter text.
<input type="checkbox"/>	Work with counties/ communities/groups to make sure staff capacity exists for actual administration and implementation of grant funding.	Click or tap here to enter text.
<input type="checkbox"/>	<i>Other (please describe):</i>	Click or tap here to enter text.

RESOURCE MANAGEMENT STRATEGIES ADDRESSED

Place an "x" next to all resource management strategies that your project addresses.

✓	Resource Management Strategy
Reduce Water Demand	
<input type="checkbox"/>	Agricultural Water Use Efficiency
<input type="checkbox"/>	Urban water use efficiency
Improve Flood Management	
<input type="checkbox"/>	Flood management
Improve Operational Efficiency and Transfers	
<input type="checkbox"/>	Conveyance – regional/local
<input type="checkbox"/>	System reoperation
<input type="checkbox"/>	Water transfers
Increase Water Supply	
<input type="checkbox"/>	Conjunctive management
<input type="checkbox"/>	Precipitation Enhancement
<input type="checkbox"/>	Municipal recycled water
<input type="checkbox"/>	Surface storage – regional/local
Improve Water Quality	
<input checked="" type="checkbox"/>	Drinking water treatment and distribution
<input type="checkbox"/>	Groundwater remediation/aquifer remediation
<input checked="" type="checkbox"/>	Matching water quality to water use
<input type="checkbox"/>	Pollution prevention

√	Resource Management Strategy
<input type="checkbox"/>	Salt and salinity management
<input type="checkbox"/>	Urban storm water runoff management
Practice Resource Stewardship	
<input type="checkbox"/>	Agricultural land stewardship
<input type="checkbox"/>	Ecosystem restoration
<input type="checkbox"/>	Forest management
<input type="checkbox"/>	Land use planning and management
<input type="checkbox"/>	Recharge area protection
<input checked="" type="checkbox"/>	Sediment management
<input type="checkbox"/>	Watershed management
People and Water	
<input type="checkbox"/>	Economic incentives
<input type="checkbox"/>	Outreach and engagement
<input type="checkbox"/>	Water and culture
<input type="checkbox"/>	Water-dependent recreation
<input type="checkbox"/>	Wastewater/NPDES

MEASURABLE OUTCOMES

Water Storage Tanks Inspected and Cleaned to Improve Water Quality.

LOCAL PLANNING DOCUMENTS

No

STEP 1 UPPER FEATHER RIVER IRWM Implementation Project Application 2018

The Upper Feather River Regional Water Management Group is accepting applications from interested stakeholders who wish to have project(s) included in the Upper Feather River Integrated Regional Water Management (IRWM) Plan. Please note that this is not a grant application at this stage; this application is to submit your project for consideration for inclusion in the IRWM Plan as an implementation project, which will then be eligible to apply for upcoming IRWM grant solicitations.

Projects eligible for inclusion in the Plan must meet the following criteria:

- Be located within the geographic boundaries of the Upper Feather River IRWM Region (see website for the Region Description and map).
- Address water resource management issues in the Upper Feather River Region, including water supply, water quality, forest and watershed management, and/or natural resource enhancement.
- Be consistent with the Region's goals and objectives (<http://featherriver.org/ufr-irwm-plan/>).

See the Upper Feather River IRWM website for the Plan, maps, current list of implementation projects, and information about the Regional Water Management Group: <http://featherriver.org/>. Questions may be directed to Uma Hinman, IRWM Program Coordinator, at ufr.contact@gmail.com or (916) 813-0818.

PROJECT NAME: *District-wide leak survey and pipeline replacement/repair.*

PROJECT SPONSOR(S): *Sierra Water Works District #1 - Calpine*

Phone: 775-530-7266

Email: paul@rosewatersystem.com

PROJECT TYPE:

Place an "x" next to the appropriate project type. If none of the provided categories are appropriate, please provide your own in the box called "other." If your project consists of more than 1 project type, please use a "1, 2, 3" mechanism to rank the types in order of importance or share of the budget.

<input type="checkbox"/>	Agriculture
<input type="checkbox"/>	Community
<input type="checkbox"/>	Education
<input type="checkbox"/>	Fire and Fuels
<input type="checkbox"/>	Flooding
<input type="checkbox"/>	Habitat and Environment
<input checked="" type="checkbox"/>	1. Infrastructure – water conservation through pipe replacement.
<input type="checkbox"/>	Invasive Species
<input type="checkbox"/>	Recreation
<input checked="" type="checkbox"/>	2. Water Quality
<input type="checkbox"/>	Water Supply
<input type="checkbox"/>	Other – <i>please describe:</i>

BRIEF DESCRIPTION OF PROJECT: *Calpine has long known that its distribution system is very aged and is losing a considerable amount of water through leaks. Water meters were installed a couple of months ago and the district will now be more accurately tracking this loss. The District plans to contract with an experienced and industry respected leak detection firm to conduct a district-wide leak identification*

survey. From the outcome of this survey the district's contract water operator will work with the district's engineering firm to plan an effective pipe replacement and repair project consisting of replacement of the most aged and vulnerable piping. Individual site repairs will be performed in areas where sections of pipe do not need replacement. Piping that produces unfavorable water quality will be replaced with non-corrosive pipe. Quantitative results will be documented through existing production and recently installed residential meters. This project can be executed in 2019 or beyond.

PROJECT LOCATION: Town of Calpine, CA. 39degrees 39' 58 N by 120 degrees 26' 25 W

BRIEF PROJECT TIMELINE: Include basic information regarding project milestones or deliverables with timeline.

	Month	Month	Month	Month
Task 1: Contract and perform leak survey	7/1/2018	7/31/2018	Click or tap to enter a date.	Click or tap to enter a date.
Task 2: Evaluate data, draft plans & specs, perform CEQA-NEPA.	8/1/2018	10/1/2018	Click or tap to enter a date.	Click or tap to enter a date.
Task 3: Solicit bids, sign contract.	2/1/2019	3/15/2019	Click or tap to enter a date.	Click or tap to enter a date.
Task 4: Construction/repair phase	5/1/2019	7/31/2019	Click or tap to enter a date.	Click or tap to enter a date.

COLLABORATORS/PARTNERS: List partners in the appropriate columns below. Add more lines to table as needed.

Potential Partners	Confirmed Partners
NONE AT THIS TIME.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.

PROJECT STATUS

Design complete	<input type="checkbox"/>	Yes
	<input checked="" type="checkbox"/>	No (provide details below)
	Details: Some potential areas of replacement identified.	
Engineering complete	<input type="checkbox"/>	Yes
	<input checked="" type="checkbox"/>	No (provide details below)
	Details: Click or tap here to enter text.	
Project does not require technical	Provide details: Click or tap here to enter text.	

design or engineering		
CEQA/NEPA complete	<input type="checkbox"/>	Yes
	<input checked="" type="checkbox"/>	No (provide details below)
	<i>Details: Project exempt</i>	
No CEQA required	<i>Provide details: It is a replacement so we would file a notice of exemption.</i>	
No NEPA required	<i>Provide details: It is a replacement so we would file a notice of exemption.</i>	
Performance Measures identified ¹	<input checked="" type="checkbox"/>	Yes
	<input type="checkbox"/>	No (provide details below)
	<i>Details: Performance will be measured through metering.</i>	
Monitoring Plan complete	<input type="checkbox"/>	Yes
	<input checked="" type="checkbox"/>	No (provide details below)
	<i>Details: Click or tap here to enter text.</i>	

BUDGET

Total Project Budget:	Budget: \$500,000
Match	Amount: Click or tap here to enter text.
	Source: Click or tap here to enter text.
Match	Amount: Click or tap here to enter text.
	Source: Click or tap here to enter text.

UPPER FEATHER RIVER IRWM PLAN OBJECTIVES ADDRESSED

Place an "x" next to all issues that your project deals with. If none of the provided categories are appropriate, please provide your own in the box called "other."

✓	Upper Feather River IRWM Objectives:	Brief explanation of project linkage to selected Objective
<input type="checkbox"/>	Restore natural hydrologic functions.	Click or tap here to enter text.
<input type="checkbox"/>	Reduce potential for catastrophic wildland fires in the Region.	Click or tap here to enter text.
<input type="checkbox"/>	Build communication and collaboration among water resources stakeholders in the Region.	Click or tap here to enter text.
<input type="checkbox"/>	Work with DWR to develop strategies and actions for the management, operation, and control of SWP facilities in	Click or tap here to enter text.

¹ Performance measures are a required component of DWR-funded implementation projects, and can also be described as deliverables.

✓	Upper Feather River IRWM Objectives:	Brief explanation of project linkage to selected Objective
	the Upper Feather River Watershed in order to increase water supply, recreational, and environmental benefits to the Region.	
<input checked="" type="checkbox"/>	Encourage municipal service providers to participate in regional water management actions that improve water supply and water quality.	Water conservation will positively impact the Sierra Valley aquifer supply/recharge.
<input type="checkbox"/>	Continue to actively engage in FERC relicensing of hydroelectric facilities in the Region.	Click or tap here to enter text.
<input type="checkbox"/>	Address economic challenges of municipal service providers to serve customers.	Click or tap here to enter text.
<input type="checkbox"/>	Protect, restore, and enhance the quality of surface and groundwater resources for all beneficial uses, consistent with the RWQC Basin Plan.	Click or tap here to enter text.
<input type="checkbox"/>	Address water resources and wastewater needs of DACs and Native Americans.	Click or tap here to enter text.
<input type="checkbox"/>	Coordinate management of recharge areas and protect groundwater resources.	Click or tap here to enter text.
<input type="checkbox"/>	Improve coordination of land use and water resources planning.	Click or tap here to enter text.
<input type="checkbox"/>	Maximize agricultural, environmental and municipal water use efficiency.	Click or tap here to enter text.
<input type="checkbox"/>	Effectively address climate change adaptation and/or mitigation in water resources management.	Click or tap here to enter text.
<input checked="" type="checkbox"/>	Improve efficiency and reliability of water supply and other water-related infrastructure.	Efficiency achieved through conservation.
<input type="checkbox"/>	Enhance public awareness and understanding of water management issues and needs.	Click or tap here to enter text.
<input type="checkbox"/>	Address economic challenges of agricultural producers.	Click or tap here to enter text.
<input type="checkbox"/>	Work with counties/ communities/groups to make sure staff capacity exists for actual administration and implementation of grant funding.	Click or tap here to enter text.
<input type="checkbox"/>	Other (please describe):	Click or tap here to enter text.

RESOURCE MANAGEMENT STRATEGIES ADDRESSED

Place an "x" next to all resource management strategies that your project addresses.

✓	Resource Management Strategy
Reduce Water Demand	
<input type="checkbox"/>	Agricultural Water Use Efficiency
<input checked="" type="checkbox"/>	Urban water use efficiency
Improve Flood Management	
<input type="checkbox"/>	Flood management
Improve Operational Efficiency and Transfers	
<input type="checkbox"/>	Conveyance – regional/local
<input type="checkbox"/>	System reoperation
<input type="checkbox"/>	Water transfers
Increase Water Supply	

√	Resource Management Strategy
<input checked="" type="checkbox"/>	Conjunctive management
<input type="checkbox"/>	Precipitation Enhancement
<input type="checkbox"/>	Municipal recycled water
<input type="checkbox"/>	Surface storage – regional/local
Improve Water Quality	
<input checked="" type="checkbox"/>	Drinking water treatment and distribution
<input checked="" type="checkbox"/>	Groundwater remediation/aquifer remediation
<input type="checkbox"/>	Matching water quality to water use
<input type="checkbox"/>	Pollution prevention
<input type="checkbox"/>	Salt and salinity management
<input type="checkbox"/>	Urban storm water runoff management
Practice Resource Stewardship	
<input type="checkbox"/>	Agricultural land stewardship
<input type="checkbox"/>	Ecosystem restoration
<input type="checkbox"/>	Forest management
<input type="checkbox"/>	Land use planning and management
<input type="checkbox"/>	Recharge area protection
<input type="checkbox"/>	Sediment management
<input type="checkbox"/>	Watershed management
People and Water	
<input type="checkbox"/>	Economic incentives
<input type="checkbox"/>	Outreach and engagement
<input type="checkbox"/>	Water and culture
<input type="checkbox"/>	Water-dependent recreation
<input type="checkbox"/>	Wastewater/NPDES

MEASURABLE OUTCOMES

Measurable reduction of water produced from groundwater wells.

LOCAL PLANNING DOCUMENTS

Are there any local planning documents that address and/or support your project? If so, explain.

**A RESOLUTION OF THE UPPER FEATHER RIVER REGIONAL WATER MANAGEMENT GROUP
APPROVING THE ADDITION OF IMPLEMENTATION PROJECTS TO THE
2016 UPPER FEATHER RIVER INTEGRATED REGIONAL WATER MANAGEMENT PLAN**

WHEREAS, by Memorandum of Understanding (“MOU”), a broad array of governments, agencies, and organizations created the Upper Feather River Regional Water Management Group (“RWMG”); and

WHEREAS, the RWMG prepared and adopted the 2016 Upper Feather River Integrated Regional Water Management Plan on November 18, 2016;

WHEREAS, the Department of Water Resources approved the 2016 Upper Feather River Integrated Regional Water Management Plan in November 4, 2016; and

WHEREAS, the 2016 Upper Feather River Integrated Regional Water Management Plan contains a list of implementation projects, thereby making them eligible for Department of Water Resources grant funding opportunities;

WHEREAS, the RWMG periodically updates the list of implementation projects contained in the 2016 Upper Feather River Integrated Regional Water Management Plan; and

WHEREAS, the RWMG has reviewed eight (8) project applications submitted for consideration to be included in the 2016 Upper Feather River Integrated Regional Water Management Plan and has determined them to be a) located within the geographic boundaries of the Upper Feather River Region, b) addressing the water resource management issues in the Upper Feather River Region, and c) consistent with the Upper Feather River Region’s goals and objectives.

THEREFORE, BE IT RESOLVED THAT the Upper Feather River RWMG hereby approves the following applications as implementation projects to be included in the 2016 Upper Feather River Integrated Regional Water Management Plan:

1. Berry Creek Forest Health and Watershed Protection Project, Butte County Fire Safe Council
2. Concow Forest Health and Watershed Protection Project, Butte County Fire Safe Council
3. Feather Falls Forest Health and Watershed Protection Project, Butte County Fire Safe Council
4. Forbestown Ridge Forest Health and Watershed Protection Project, Sacramento River Watershed Program & 34 North
5. Community Water Tank Inspection, Indian Valley CSD
6. Crescent Hills Raw Water Iron and Manganese Treatment Project, Indian Valley CSD
7. Wolf Creek Sewer Crossing Replacement Project, Indian Valley CSD
8. District-wide Leak Survey and Pipeline Replacement/Repair, Sierra Water Works District #1 – Calpine

Passed and adopted this 27th day of April, 2018, by consensus of a quorum of the Upper Feather River Regional Water Management Group.

SIGNED: _____

Sherrie Thrall, Chair, Upper Feather Integrated Regional Water Management Program

ATTEST: _____ Randy Wilson, Plumas County Flood Control and Water Conservation District

**Upper Feather River
Integrated Regional Water Management
Regional Water Management Group Quarterly Meeting
April 27, 2018**

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 and technical assistance opportunities.

Natural Resources Conservation Service

NRCS Seeks Partners for Easement Restoration on degraded wetlands and floodplains. Applications due by 5:00 PM EST on May 18, 2018: <https://www.prnewswire.com/news-releases/nrcs-seeks-partners-for-easement-restoration-300618573.html>

Up to \$250M is available for restoration projects in all 50 states. Potential applicants should review the funding opportunity [USDA-NRCS-US-WRP-ACEP-EWPP-HFRP-18-01](http://www.grants.gov/) at <http://www.grants.gov/>, which includes application materials and submission procedures. Restoration activities may include: designing restoration plans, installing structural and vegetative conservation practices, construction management and inspection. Agreement will be up to three years in length.

NRCS California is specifically requesting wetland restoration assistance for easement projects located in Northern CA. Individuals or organizations with experience in wetland restoration design, engineering, construction management, and permitting will work together with NRCS to complete these projects. For more information on wetlands, floodplain and forestland easement, visit the NRCS easements page at <https://www.nrcs.usda.gov/wps/portal/nrcs/main/ca/programs/easements/>

State Water Resources Control Board

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.

At this time, this opportunity is scheduled to end in early 2019, or as long as funding remains. 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
- 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

USEPA Water Finance Clearinghouse

The Finance Clearinghouse provides a searchable 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 April-May 2018 is attached.

Additionally, the SNC is offering to support project sponsors in finding funding to complete CEQA work in order to be ready for the next round of Proposition 1 funding. Please reach out to Lynn Campbell or Christine Hoffman in the Quincy SNC office if interested: (530) 283-3011.

Department of Water Resources Proposition 1 IRWM

The IRWM Disadvantaged Community Involvement (DACI) Project is currently in process.

The next round of Prop 1 IRWM funding for implementation projects is anticipated to be released by DWR in April 2018. While originally intended to be solely for DACs, the second round will likely be a mixture of DAC and non-DAC implementation funding. The intent 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.

Proposition 1 IRWM Implementation Grants¹ Proposal Solicitation Process and Schedule	
Milestone/Activity	Tentative Schedule²
Coordination with Stakeholders RE: development of implementation grant program concepts	May 2017-April 2018
DWR releases Draft Proposal Solicitation Package (PSP) for 45-day public comment period	April 2018
Three public meetings (Northern, Central, Southern California, TBD)	May 2018
Draft PSP public comment period closes	June 2018
DWR releases Final PSP	Summer 2018
Round 1 Grant Applications Due to DWR ³	By December 2018
Round 1 Grant Awards	2019
Round 2 Grant solicitation process begins	2020
Notes: ¹ Includes funding for projects benefitting disadvantaged communities. ² Schedule subject to change. ³ DWR intends to work with potential grant applicants on a Funding Area basis following the release of the Final PSP and prior to submittal of the grant applications	

DWR staff have stated that once the final PSP is released, DWR plans to conduct consultations with each of the 12 legislated funding areas. Several state agencies will be involved in this effort and will participate as a multi-agency team to discuss proposed projects and conduct reviews. During this process, state agencies will learn about each region's priorities and unique needs, and then provide feedback on projects. IRWM regions within each funding area will be encouraged to work cooperatively with each other and take longer-term strategic approaches. IRWM regions will be asked to talk about all of their upcoming projects at the consultations, including when those projects will be ready to proceed, and when funding will be needed. Regarding disadvantaged communities (DACs), the outcomes of the DACTI process will be used to inform Proposition 1 DAC implementation projects. Of the \$420M statewide, \$51M is committed for DACs.

STAFF RECOMMENDATION

Informational.

Attachments: Sierra Nevada Conservancy Funding Opportunities Newsletter, April-May 2018
DWR Proposition 1 Grants Program Update, March 1, 2018



Sierra Nevada Conservancy
FUNDING OPPORTUNITIES NEWSLETTER
April-May 2018

Upcoming Grants that Might be of Interest:

- [North American Native Fishes Association Gerald C. Corcoran Educational Grants](#) (due March 31) fund projects to educate the general public about native North American fishes and their environment.
- The [North Face Explore Fund](#) (due April 5) provides funding to introduce under-represented communities to outdoor adventures in potentially new and interesting ways, and for projects that protect ecosystems and the ability to enjoy them by thinking creatively about engaging new and diverse communities in environmental work.
- [The Wildlife Conservation Society \(WCS\) North America Program: Climate Adaptation Fund](#) (pre-proposals due April 6) supports on-the-ground projects that demonstrate effective interventions for wildlife adaptation to climate change.
- [NOAA Environmental Literacy Grants](#) (due April 6) support the education of K-12 students and the public for community resilience.
- The [NRCS California Conservation Innovation Grant Program](#) (due April 11) seeks to stimulate the development and adoption of innovative conservation approaches and technologies in conjunction with agricultural production, including private forestlands.
- [National Environmental Education Foundation Grants](#) (due April 23) provide funding to build the organizational capacity of nonprofit organizations whose mission is focused on serving a public land site ('Friends of ...' groups).
- The [National Fish and Wildlife Foundation and Walmart Acres for America Grants](#) (pre-proposals due April 26) provide funding to help purchase and conserve lands of national significance, protect critical fish and wildlife habitat, and benefit people and local economies.
- [FEMA Staffing for Adequate Fire & Emergency Response Grants](#) (due April 27) assist local fire departments with staffing and deployment capabilities in order to respond to emergencies, and assure that communities have adequate protection from fire and fire-related hazards.

- The [USDA Rural Business Development Grant Program](#) (due April 30) funds targeted technical assistance, training and other activities leading to the development or expansion of small and emerging private businesses in rural areas.
- The [Rural Energy for America Program \(REAP\): Renewable Energy Systems and Energy Efficiency Improvements Program](#) (due April 30) provides grants and guaranteed loans to agricultural producers and rural small businesses to purchase and install renewable energy systems and make energy efficiency improvements to their operations.
- [Farmers Market Promotion Program Grants](#) (due May 7) provide funding to help develop farmers markets, roadside stands, community-supported agriculture programs, and agritourism activities, as well as providing funding for outreach, training, and technical assistance.
- The [Max and Victoria Dreyfus Foundation Grants](#) (due May 10) fund museums, educational programs, and wildlife/environmental protection programs.
- The [National Park Service Historic Preservation Fund Tribal Heritage Grant Program](#) (due May 11) assists federally recognized Indian tribes in protecting and promoting their unique cultural heritage and traditions.
- [USDA Community Connect Grants](#) (due May 14) support the provision of broadband internet connections to communities in unserved, lower income, and extremely rural areas.
- The [Rose Foundation for Communities and the Environment: Northern California Environmental Grassroots Fund](#) (due May 15) provides modest general support grants to small grassroots organizations that address tough environmental problems such as toxic pollution, sustainable agriculture, climate change, environmental degradation of rivers and wild places, and the environmental health of communities.
- [CAL Trans Active Transportation Grants](#) (Call for Projects expected May 16) provide funding to encourage increased use of active modes of transportation, such as walking and biking.
- [Clif Bar Family Foundation Small Grants](#) (due June 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.
- The [Bella Vista Foundation Ecosystem Restoration Grant Program](#) (applications accepted June 4 – 15) focuses on protecting, restoring, and revitalizing high-priority watershed ecosystems in California, including Truckee River, Yuba/Bear/American, and the North Fork Feather River watersheds.
- The [Wildlife Conservation Board's Riparian Habitat Conservation Program](#) (rolling) provides funding to protect, preserve, restore, and enhance riparian habitat throughout California.

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](#).

Department of Water Resources (DWR) Integrated Regional Water Management (IRWM) Implementation Grant Timelines: [IRWM grants](#) can support a broad range of

water and watershed activities. Proposition 1 provided \$510 million in grants through this program, the bulk of which is for implementation projects. The new draft Proposal Solicitation Package (PSP) for Proposition 1 IRWM Implementation Grants is expected to be released by DWR in April, with a 45-day public comment period. The final PSP will be published in the summer, and IRWM grant applications will be due by the end of the year. In order to be eligible for this grant program, projects must be listed in the IRWM Plan for your Region. Contact your local Regional Water Management Group (your County should be able to give you a contact) for more information.

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 California Trout which, in partnership with the Pit River Tribe, recently completed the Hat Creek River Parkway and Restoration Projects. Located in Shasta County, the project included the restoration of 6.3 acres of riparian habitat and 1.5 miles of in-stream habitat. The project also constructed a 1.5 miles accessible trail and amenities to improve public access for recreational users, including hiking and fishing. The project was funded in part by the [Environmental Enhancement and Mitigation Grant Program](#).

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](#).



Proposition 1 Grant Programs Update - March 1, 2018
CA Department of Water Resources
Financial Assistance Branch
Division of Integrated Regional Water Management



DWR's New Web Site

We recently completed a digital makeover of our website. We have received many complements about the new streamlined look and accessibility of information, but we understand it may be frustrating to find information in a new way. Our team is here to help. Feel free to contact us if you cannot locate the information you seek.

www.water.ca.gov

Proposition 1 Sustainable Groundwater Planning Grants

On February 6, we announced draft funding recommendations to 78 applicants, totaling \$85.8 million, including \$16.2 million for projects that directly benefit severely disadvantaged communities (<60% State mean household income), and \$69.6 million to Groundwater Sustainability Agencies (GSAs) for development of Groundwater Sustainability Plans (GSPs). The public comment period for the draft funding recommendations closed on February 28 and we expect release of the final awards in March, with execution of grant agreements this summer.

We encourage agencies with proposed groundwater projects to work with their local IRWM Regional Water Management Group to incorporate projects as appropriate into the IRWM Plan so that they might be considered for IRWM implementation funding.

<https://www.water.ca.gov/Work-With-Us/Grants-And-Loans/Sustainable-Groundwater>

Proposition 1 IRWM Disadvantaged Community Involvement Grants

We have executed grant agreements or are currently in the process of doing so with 11 of the 12 hydrologic region-based funding areas identified in Proposition 1. We anticipate receipt of the final grant proposal for the San Joaquin Funding Area in the very near future and expect all work in the State to be fully underway by spring 2018. It is critical to complete this important work - in particular, the needs assessments - in order to identify projects benefiting DACs for IRWM implementation funding.

To help promote consistency and sharing of information between the 12 Funding Area grant recipients, our program and grant managers will be joining the DAC Involvement Working Group conference calls, hosted approximately monthly by the Environmental Justice Coalition for Water (EJCW). We participated in the January 2018 call and discussed the status of IRWM implementation funding and nexus to DAC involvement work. At the next meeting of the Working Group, we look forward to discussing

performance metrics, related to a provision of Prop 1 (CA Water Code 79716e): *Each state agency that receives an appropriation of funding made available by this division shall be responsible for establishing metrics of success and reporting the status of projects and all uses of the funding on the state's bond accountability Internet Web site, as provided by statute.*

What's Next for Proposition 1 IRWM Implementation Grant Funding

We are gearing up for the launch of the Prop 1 IRWM Implementation Grant Program. We have been working with regional stakeholders since May 2017 through the IRWM Roundtable of Regions (ROR) to propose and discuss various concepts for a new approach. We anticipate discussing more concepts with the ROR before finalizing the approach. Thanks to everyone who has weighed in so far, and we welcome more input before the Proposal Solicitation Package (PSP) is released this summer.

DWR intends to work with potential grant applicants on a Funding Area basis following the release of the Final PSP; we anticipate holding workshops in each Funding Area prior to submittal of the grant applications by December 2018. Other state funding agencies will be invited to participate as appropriate.

Proposition 1 IRWM Implementation Grants ¹ Proposal Solicitation Process and Schedule	
Milestone or Activity	Tentative Schedule ²
Coordination with Regional Stakeholders RE: Development of Implementation Grant Program Concepts	May 2017 - April 2018
DWR Releases Draft Proposal Solicitation Package (PSP) for 45-day Public Comment Period	May 2018
3 Public Meetings (Northern, Central, and Southern Calif locations TBD)	May-June 2018
Draft PSP Public Comment Period Closes	June 2018
DWR Releases Final PSP	Summer 2018
Round 1 Grant Applications Due to DWR (Workshops with Funding Areas expected Summer-December 2018)	By December 2018
Round 1 Grant Awards	2019
Round 2 Grant Solicitation Process Begins	2020
Notes: ¹ Includes funding for projects benefitting disadvantaged communities. ² Schedule subject to change.	

<https://www.water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs>

What Regions Should Do to Prepare for the Next Round of Grants

In order for a project to be eligible for IRWM implementation grant funding, it must be either listed in the IRWM plan that is compliant with at least 2012 IRWM Plan Standards or describes how any non-listed projects have been vetted through the RWMG, consistent with the 2016 IRWM Plan Standards as confirmed by DWR's Plan Review Process. The plans must be updated and adopted to comply with 2016 standards before the final award is made. It is important to get your IRWM Plan updated to the 2016 Plan Standards and submitted to DWR as soon as possible to avoid potential delays.

The 2016 IRWM Plan Standards have changed to varying degrees from the 2012 IRWM Plan Standards. Refer to Appendix H in the Guidelines for a summary of the changes to the 2012 IRWM Plan Standards.

https://www.water.ca.gov/LegacyFiles/irwm/grants/docs/p1Guidelines/2016Prop1IRWMGuidelines_FINAL_07192016.pdf

New Staff Assignments at DWR

Keith Wallace has moved on to new opportunities with DWR's Sustainable Groundwater Management Program, and two members of our team - Rachel Ballanti and Jason Brabec - are the new contacts for this next phase in our IRWM implementation program. We are fortunate to have Rachel, with her experience working for the DWR Executive Division and California Water Commission, and Jason, who brings his experience as an Engineer with DWR's Division of Flood Management managing complex water resources projects. Both Rachel and Jason have been in our Branch, capably managing our Water-Energy, Prop 1E, and Prop 1 Sustainable Groundwater Planning grant programs for the last year or more. We look forward to the opportunity to introduce them to you in person in the coming months.

CA Water Plan Update 2018 - How Regional Interests Are Reflected in the New Edition of the State's Water Plan

Be on the lookout for the public review draft of the 2018 update to the California Water Plan. Several of the recommendations in the document entitled *Stakeholders Perspectives: Recommendations for Strengthening and Sustaining IRWM in California (2017)* are being carried forward in the Water Plan Update. Also, the Water Plan describes early efforts underway to develop a Regional Water Atlas. This web-based tool will provide a clearinghouse to convey your regional success stories and lessons learned to other practitioners in the State as well as key policy makers.

<https://www.water.ca.gov/Programs/California-Water-Plan>

**Upper Feather River
Integrated Regional Water Management
Regional Water Management Group Quarterly Meeting
April 27, 2018**

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

INTRODUCTION

Following are suggested meeting topics for the next meeting of the RWMG:

1. Update on the Mountain Counties Funding Area Disadvantaged Community Coordinating Committee and Disadvantaged Community and Tribal Involvement Project.
2. Review and comment on Proposition 1 IRWM Draft Proposal Solicitation Package (PSP).
3. Review and consider new implementation project submittals

STAFF RECOMMENDATION

Discussion and direction to staff regarding:

- a. Next RWMG meeting date/time - June 15 or 22?
- b. Meeting topics