UPPER FEATHER RIVER
REGIONAL WATER MANAGEMENT GROUP

Sherrie Thrall, Plumas County Flood Control and Water Conservation District (Chair)
Paul Roen, Sierra County (Vice-Chair)
Dwight Ceresola, Plumas County
Doug Teeter, Butte County
Russell Reid, Feather River Resource Conservation District
Rick Roberti, Sierra Valley Resource Conservation District
Einen Grandi, Sierra Valley Groundwater Management District
Roger Diefendorf, Plumas County Community Development Commission
Trina Cunningham, Maidu Summit Consortium
Vacant, Public Member
Kurt Sable, Plumas National Forest (Advisory)
TBD, Lassen National Forest (Advisory)
TBD, Tahoe National Forest (Advisory)

AGENDA FOR REGIONAL WATER MANAGEMENT GROUP MEETING OF
March 11, 2022 TO BE HELD AT 1:00 P.M. IN THE
PLUMAS COUNTY PLANNING CONFERENCE ROOM, 555 MAIN STREET, QUINCY, CALIFORNIA

The Meeting will be held in-person with an option to participate remotely via Zoom:

https://us02web.zoom.us/j/81995911674

Or by phone: (669) 900-6833 / Meeting ID: 819 9591 1674

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 Tracey Ferguson 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

CALL TO ORDER/ROLL CALL

ADDITIONS TO OR DELETIONS FROM THE AGENDA

PUBLIC COMMENT OPPORTUNITY

Matters under the jurisdiction of the Regional Water Management Group (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.

ANNOUNCEMENTS/REPORTS

1. Presentation of Certificate of Appreciation and Recognition to Leah Wills for her years of service to the Upper Feather River (UFR) Integrated Regional Water Management (IRWM) Program.
2. Sierra Valley Groundwater Sustainability Plan submitted to DWR in January 2022 under a Prop 68 $2M Grant awarded and implemented by the Sierraville Groundwater Management District and Plumas County.

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) REGIONAL WATER MANAGEMENT GROUP BUSINESS

1. Regional Water Management Group (RWMG) Meeting Summary for the regular meeting held on July 18, 2019. *Approve.*

2. Letter of Support, *ratify*:

a. Lakes Basin Forest Health Phase II Project, SNC #1232, October 9, 2019.

b. Letter in Support of Sierra Valley Groundwater Management District application for Sustainable Groundwater Management (SGM) Grant, Round 3 SGM Planning, October 18, 2019.

c. Letter of Support for $1 billion in Climate Resilience Bond for Integrated Regional Water Management, February 24, 2020.

d. Letter of Support for SB 45 (Portantino, Allen Hurtado, Stern), March 1, 2021.

e. Letter requesting Inclusion of IRWM Funding in Drought Relief and Resiliency Package, May 18, 2021.

f. Support Letter for Sierra Institute's application for Proposition 1 Disadvantaged Community and Tribal Involvement Drought Funding DAC Set-Aside for the Mountain Counties Funding Area, February 15, 2022.

g. Support Letter for Sierra Valley Groundwater Management District's Application for 2022 Prop 1 Watershed Restoration Grant Program, March 1, 2022.

3. Mountain Counties Funding Area IRWMs Memorandum of Commitment to equally divide Prop 1 IRWM Implementation funds. *Ratify.*

4. Support Services Financial Report. *Informational.*

ACTION AGENDA

1. REGIONAL WATER MANAGEMENT GROUP ADMINISTRATION

a. Membership and Representation. *Discussion and direction to staff.*

b. Selection of Officers. *Discussion and nominations.*

c. Almanor Basin Representative Vacancy. *Discussion and direction to staff.*

d. Support Services for Fiscal Year 2022-23. *Discussion and direction to staff.*

2. IRWM ROUNDTABLE OF REGIONS

The RWMG will hear an overview of the Roundtable of Region's Draft White Paper: Moving Forward: Charting a Course for Future Regional Water Resilience.

3. PLUMAS WATERSHED FORUM

The RWMG will hear an update on the Monterey Settlement Agreement and activation of the Plumas Watershed Forum. *Informational.*

4. DISADVANTAGED COMMUNITY AND TRIBAL INVOLVEMENT PROJECT

The RWMG will receive an update on the Mountain Counties Funding Area Disadvantaged Community and Tribal Involvement (DACTI) Project.

- **a.** Sierra Institute's Community Well-Being & Water and Wastewater Needs Assessments for Upper Feather River Region and the Mountain Counties Funding Area. *Informational.*
- **b.** DACTI Technical Assistance Grant
  Report on DACTI Technical Assistance Grant Pilot Project deliverable: *Fact Sheet: Analysis of State Small and Local Small Water Systems in the Mountain Counties Funding Area for the Disadvantaged Community Involvement Grant Program***.** *Informational.*
- **c.** Prop 1 DACTI Drought Funding DAC Set Aside
  Update on dissemination of additional Prop 1 DACTI Drought Funding DAC Set Aside funding. *Informational.*

5. PROPOSITION 1 ROUND 1 IRWM IMPLEMENTATION GRANT

Report on the Proposition 1 IRWM Implementation Round 1 grant funding award to Plumas County for two implementation projects awarded to Indian Valley Community Services District and the Sierraville Public Utilities District. *Informational.*

6. PROPOSITION 1 ROUND 2 IRWM IMPLEMENTATION GRANT

- **a.** Update on the Proposition 1 IRWM Implementation Round 2 grant funding opportunity. *Informational.*
- **b.** Consider the application of the Upper Feather River IRWM Region's Round 2 fund allocation to supplement Indian Valley Community Services District's Round 1 award to support the project started under Round 1. *Discussion and direction to staff.*

7. IRWM PLAN IMPLEMENTATION PROJECTS

- **a.** Report on updated IRWM Plan implementation project list. *Informational.*
- **b.** Consideration of new Sierra County Waterworks District 1 projects for inclusion in the IRWM Plan. *Discussion and direction to staff.*
  i. 140,000-Gallon Storage Tank
  ii. Groundwater Well and Treatment Facilities
  iii. Well 1 Treatment Facility

8. UPPER FEATHER RIVER IRWM REPORTING

- **a.** Proposition 50 Implementation Projects Post Performance Reporting.
  Update on the final DWR required Post-Performance Reporting for the Proposition 50 IRWM Projects. *Informational.*
- **b.** Upper Feather River IRWM Plan Implementation.
  Report to the RWMG on the Upper Feather River IRWM Plan performance. *Accept and file.*

9. COORDINATOR'S REPORT

ADJOURNMENT – Meeting adjourned in memory of Jeffrey Greening, public member serving from 2014 to 2019.

Upper Feather River IRWM
Regional Water Management Group

DRAFT SUMMARY MINUTES

July 18, 2019

Call to Order and Roll Call
Sherrie Thrall called the meeting to order on July 18, 2019 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
Doug Teeter, Butte County Board of Supervisors
Trina Cunningham, Maidu Summit Consortium
Roger Diefendorf, Plumas County Community Development Commission
Jeffrey Greening, Public Member
Joe Hoffman, Plumas National Forest (Advisory)

Members Absent:
Paul Roen, Sierra County Board of Supervisors
Russell Reid, Feather River Resource Conservation District
Rick Roberti, Sierra Valley Resource Conservation District
Jim Roberti, Sierra Valley Groundwater Management District
Carol Thornton, Lassen National Forest (Advisory)
Quentin Youngblood, Tahoe National Forest (Advisory)

Staff Present:
Tracey Ferguson, Plumas County Planning Director
Uma Hinman, Hinman and Associates Consulting, Inc.

Additions or Deletions from the Agenda
None

Public Comment Opportunity
None

Announcements / Reports
The retirement of Randy Wilson, Plumas County Planning Director and Manager for the Upper Feather River IRWM Plan Update, was announced. New Planning Director, Tracey Ferguson, was introduced and will be filling the role with the IRWM Program.

CONSENT AGENDA

a. Regional Water Management Group Business
Upon motion by Roger Diefendorf and second by Jeffrey Greening, the Consent Calendar was unanimously approved as presented.

1. RWMG Meeting Summary for the regular meeting held on May 3, 2019.
2. Support Services budget report.

ACTION AGENDA

1. Department of Water Resources Climate Program

Peter Coombe with DWR–Red Bluff Field Office gave a brief update on DWR Climate Program. He noted that the Upper Feather River (UFR) region is a priority for DWR in regards to climate adaptation as it is an important headwaters region. He noted that DWR is collecting information on climate adaptation strategies and studies in the region. Peter also suggested EcoAdapt, which is a free facilitation program designed to gather information, might be a good program to encourage participation from the region's stakeholders. Applications for EcoAdapt are due August 30, 2019. Participation in the program could help prioritize funding for the region.

The RWMG encouraged Mr. Coombe to apply for the EcoAdapt grant and directed staff to assist as needed.

2. Disadvantaged Community and Tribal Involvement Project

Tracy Hruska, Sierra Institute, provided an update on the Disadvantaged Community and Tribal Involvement (DACTI) Project tasks.

- Community Capacity Assessment: the socioeconomic status has been matched to census data.
- Water and Wastewater Needs Assessment: Sierra Institute is working to develop a comprehensive list of water and wastewater service providers with less than 50 connections within each region in the Mountain Counties Funding Area. A similar Tribal assessment will be a separate task.
- Technical Assistance funds: the DACTI Project includes $500,000 in Technical Assistance (TA) funds, which the Coordinating Committee has proposed to distribute as follows: $100,000 for Tribes and the remainder split among the nine participating IRWM regions. It is anticipated approximately $40,000 will be available to each region. Tracy noted that the intent of the TA funding is to for long-term capacity building, not project level.

Sherrie Thrall supported a resource center model to support agencies helping themselves, thereby building capacity. The Plumas County Community Development Commission was suggested as an agency with built in grant capacity that could support the region. It was clarified that the agency is not limited to Plumas County and has partnerships and experience with adjacent counties as well.

Upon motion by Sherrie Thrall and second by Jeff Engle, the RWMG unanimously supported Plumas County Community Development Commission as the TA funds manager for the purpose of supporting project sponsors. Roger Diefendorf, Plumas County Community Development Commission Executive Director, abstained from the vote.

3. Proposition 1 IRWM Implementation Grant Round 1 Solicitation and Selection of Upper Feather River IRWM Project(s)

Uma Hinman presented the Prop 1 IRWM Implementation Grant Round 1 Project Solicitation Package (PSP) eligibility criteria, DWR process, schedule and short list of UFR IRWM Plan implementation projects for consideration. Per previous RWMG discussions, the priority projects are emergency and community water storage with preparedness for ongoing PG&E Public Safety Power Shutoffs (PSPS).

The Mountain Counties Funding Area Coordinating Committee agreed to split the $10.3 million allocated to the Funding Area for implementation funding, 10% of which is DAC set aside, equally among the nine participating IRWM regions in the Funding Area. The extent of the grant funding available per region is approximately $550,000 each for Rounds 1 and 2, or potentially $1.1 million for both rounds.

DWR's grant process includes review of Pre-Applications and a workshop with the Funding Area. The deadline for Pre-Applications is August 16, 2019; the workshops will be held in Sacramento on September 4 and 5, 2019. The grant application deadline is tentatively set for November 22, 2019.

Staff performed an initial review of the IRWM Plan implementation project list, developing a shortlist of projects that 1) met the PSP eligibility and scoring criteria, 2) were ready to proceed with funding, and 3) fell generally within the grant fund allocation for the UFR region.

Representatives of the Grizzly Lake Community Services District (MS-10 Crocker Water Tank, MS-12 Delleker Water Tank), Sierraville Public Utilities District (MS-35 Alternative Water Source and Water Storage) and Indian Valley Community Services District (MS-44 Greenville Community Water Tank) presented their implementation projects to the RWMG. Each project included backup generators to ensure water availability and delivery during PG&E PSPS and wildfire events.

The RWMG unanimously supported including all presented projects in the Pre-Application for the Prop 1 Round 1 funding opportunity, and directed staff to combine the two Grizzly Lake CSD tank projects into a single project.

4. Process for Future Time Sensitive Grant Opportunities

Uma Hinman introduced the item, requesting direction from the RWMG as to the role of the Coordinator in identifying grant opportunities for implementation projects within the UFR IRWM Plan. Direction from the RWMG was for the Coordinator to continue to distribute grant opportunities to the stakeholder email lists, clarifying that it was the responsibility of the project sponsors to pursue grant funding.

5. Coordinator's Report

Next meeting of the RWMG will be scheduled as needed.

Adjournment

The meeting was adjourned at 3:45 pm.

ATTENDEES:
Leah Wills, Plumas County
Susan Coffi, Westwood CSD
Kathryn Zimmerman, Water Resources Management CRC
Frank Motzkus, Chester PUD
Paul Rose, Rose Water Systems
Peter Coombes, DWR
Tiffany Barron, Grizzly Lake CSD
Amber Cravens, Grizzly Lake CSD
Brad Graevs, Feather River RCD

Upper Feather River
Integrated
Regional Water Management Group

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

October 9, 2019

Sierra Nevada Conservancy
11521 Blocker Dr., #205
Auburn, CA 95603

RE: Letter of Support – Lakes Basin Forest Health Phase II Project, SNC #1232

Dear Sierra Nevada Conservancy,

The Upper Feather River Integrated Regional Water Management (IRWM) Group offers this letter in support of the proposal submitted by the United States Forest Service, Plumas National Forest for the Lakes Basin Forest Health Phase II Project (SNC Grant #1232). This project is located within the Upper Feather River IRWM Region and is consistent with several objectives of the Upper Feather River IRWM Plan 2016, as follows:

- Reduce potential for catastrophic wildland fires in the Region.
- Balance the needs of forest health, habitat preservation, fuels reduction, forest fire prevention, and economic activity in the Upper Feather River Region.
- Build communication and collaboration among water resources stakeholders in the Region.
- Protect, restore, and enhance the quality of surface and groundwater resources for all beneficial uses, consistent with the Basin Plan.
- Improve coordination of land use and water resources planning.
- Effectively address climate change adaptation and/or mitigation in water resources management.
- Improve efficiency and reliability of water supply and other water-related infrastructure.
- Enhance public awareness and understanding of water management issues and needs.
- Work with counties/communities/groups to make sure staff capacity exists for actual administration and implementation of grant funding.

The Upper Feather River Regional Water Management Group values the planning and prioritization by the Plumas National Forest that went into the development of the Lakes Basin Forest Health Phase II Project. The project will fully implement a landscape-scale approach that directly impacts the health and resiliency of the Middle Fork of the Feather River and its environs. West of the project is the beginning of the Middle Fork Canyon, which is the Wild and Scenic portion of the Middle Fork. Four small dams and several natural lakes exist in the project area, which are within the Frazier Creek watershed; identified by the Plumas National Forest as a priority watershed for restoration.

The Upper Feather River Regional Water Management Group recognizes the need to improve watershed health with an "all lands" forest management approach, supported the Lakes Basin Forest Health Phase I project, and believes the Phase II project will continue the good work in contributing significantly to overall forest health and protected watershed functions and values for local and downstream stakeholders.

Should you have any questions, please contact the Plumas County Planning Director, Tracey Ferguson, at traceyferguson@countyofplumas.com or (530) 283-6214.

Sincerely,

Uma Hinman, Coordinator
Upper Feather River Integrated Regional Water Management Group

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

cc: Assemblyman Brian Dahle
Senator Ted Gaines
Joe Hoffman, Plumas National Forest
Matt Jedra, Plumas National Forest - Beckwourth District Ranger
Ryan Bauer, Plumas National Forest - Forest Fuels Program Manager
Sharon Thrall, Vice Chair, Plumas County Board of Supervisors
Tracey Ferguson, Planning Director, Plumas County Planning Department
Hannah Hepner, Coordinator, Plumas County Fire Safe Council

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October 18, 2019

California Department of Water Resources
Sustainable Groundwater Management Grant Program
1416 9th Street
Sacramento, CA 95814

Re: Letter in Support of Sierra Valley Groundwater Management District application for Sustainable Groundwater Management (SGM) Grant, Round 3 SGM Planning

To whom it may concern:

The Upper Feather River Integrated Regional Water Management Group (RWMG) is writing in support of the Sierra Valley Groundwater Management District (SVGMD) application for Round 3 Program Funding and believes this funding is critical to achieving sustainable groundwater management in the Sierra Valley Groundwater Basin (5-12.01).

In recognition of the passage of the Sustainable Groundwater Management Act (SGMA) in 2014 and the State of California's requirement for a Groundwater Sustainability Plan (GSP) to be completed for the Basin by January 31, 2022, the Upper Feather River RWMG strongly supports the SVGMD in its goal of developing a GSP to achieve groundwater sustainability in the Basin in accordance with SGMA. Sierra Valley is sparsely populated (<2,200 persons per the 2010 Census), and the entire basin has Disadvantaged Community (DAC) status, with the two census tracts covering the area at 66% and 70% of California's Median Household Income.

The grant funding being offered by DWR will offer critical support to develop a legally defensible GSP, while building important infrastructure and capacity for ongoing monitoring and management efforts.

The development of a Groundwater Sustainability Plan is identified as an implementation project within the 2016 Upper Feather River Integrated Regional Water Management (IRWM) Plan. As such, we strongly support the efforts of the SVGMD and their grant application for funding.

The proposed project addresses a number of objectives within the IRWM Plan, as well as resource management strategies, specifically identified as follows:

2016 Upper Feather River Integrated Regional Water Management Plan Objectives:

- Restore natural hydrologic functions.
- Build communication and collaboration among water resources stakeholders in the Region.
- Protect, restore, and enhance the quality of surface and groundwater resources for all beneficial uses, consistent with the Regional Water Quality Control Basin Plan.
- Address water resources and wastewater needs of disadvantaged communities and Native Americans.
- Coordinate management of recharge areas and protect groundwater resources.
- Maximize agricultural, environmental and municipal water use efficiency.
- Effectively address climate change adaptation and/or mitigation in water resources management.
- Improve efficiency and reliability of water supply and other water-related infrastructure.
- Enhance public awareness and understanding of water management issues and needs.
- Address economic challenges of agricultural producers.
- Work with counties/communities/groups to make sure staff capacity exists for actual administration and implementation of grant funding.

California Water Plan Resource Management Strategies addressed:

- Agricultural water use efficiency
- Conjunctive management
- Agricultural land stewardship
- Land use planning and management
- Recharge area protection
- Watershed management
- Public outreach and engagement

We believe this effort will effectively develop an environmentally and economically sustainable and effective groundwater management program supported by SGMA beneficial users and other area stakeholders. We strongly support this application and encourage the Sustainable Groundwater Management Grant Program to award funding to the Sierra Valley Groundwater Management District. We are happy to further discuss this application and the unique challenges that face Sierra Valley. Please contact the Plumas County Planning Director, Tracey Ferguson, AICP, at traceyferguson@countyofplumas.com or (530) 283-6214.

Sincerely,

Uma Hinman, Coordinator
Upper Feather River Integrated Regional Water Management Group

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

cc: Assemblyman Brian Dahle
Senator Ted Gaines
Joe Hoffman, Plumas National Forest
Matt Jedra, Plumas National Forest - Beckwourth District Ranger
Ryan Bauer, Plumas National Forest - Forest Fuels Program Manager
Sharon Thrall, Vice Chair, Plumas County Board of Supervisors
Tracey Ferguson, Planning Director, Plumas County Planning Department
Hannah Hepner, Coordinator, Plumas County Fire Safe Council

February 24, 2020

Toni Atkins
Senate President pro Tempore
State Capitol Room 205
Sacramento, California 95814

Anthony Rendon
Speaker, California State Assembly
State Capitol, Room 319
Sacramento, California 95814

Shannon Grove
Senate Minority Leader
State Capitol Room 305
Sacramento, California 95814

Marie Waldron
Assembly Minority Leader
State Capitol Room 3014
Sacramento, California 95814

RE: Support for $1 billion in Climate Resilience Bond for Integrated Regional Water Management

Dear President pro Tem Atkins, Speaker Rendon, Leader Grove and Leader Waldron,

We, the undersigned representatives of Integrated Regional Water Management (IRWM) regions, write to **strongly support the allocation of $1 billion for IRWM and other programs and projects that achieve regional and inter-regional water resilience** as described in the Governor's proposed Climate Resilience Bond.

As you know, IRWM is a highly effective and efficient collaborative effort to plan and implement water management solutions on a regional scale. The IRWM approach delivers a higher value for investments by considering all interested entities, working across jurisdictional boundaries, encouraging diverse partnerships through collaboration, and prioritizing multiple benefit projects. Created as a result of the IRWM Planning Act of 2002, IRWM regions represent 99% of the state's population.

The Governor correctly identified IRWM as the best program to implement the Water Resilience Portfolio. IRWM funds a diverse set of projects that meet the goals of regional partnership and climate resilience. In the past, IRWM has funded conservation, recycled water, stormwater, groundwater

recharge, habitat restoration, salt removal and many other projects on a regional scale -- exactly the kinds of projects identified in the “Regional and Inter-regional Water Resilience” section of the proposed bond.

Investment in IRWM is leveraged by matching local funds. The 50 percent match required under Proposition 1 leverages state investment and increases overall finding for regional and inter-regional water resilience.

We appreciate your leadership on water and climate issues and look forward to answering any questions you may have. **We strongly urge retaining $1 billion in the Climate Resilience Bond for IRWM and other programs and projects that achieve regional and inter-regional water resilience as proposed by the Governor.**

Sincerely,

Kelley Gage, Water Resources Director
San Diego County Water Authority
(on behalf of San Diego Regional Water Management Group)

Richard E. Haller, P.E., ENV SP
Santa Ana Watershed Project Authority
General Manager

David Mecchi, Board President
Mariposa County Resource Conservation District

/s/ Fray Crease

Fray A. Crease
Manager
Santa Barbara County Water Agency

Elizabeth Martin
Chief Executive Officer
THE SIERRA FUND

Scott DeLeon
Director of Public Works, & Director
Water Resources Department
County of Lake

/s/ Holly Alpert

Holly Alpert, Ph.D.
Program Director
Inyo-Mono IRWM Program

Brendan Clark, PE
Supervising Water Resources Engineer &
IRWM Program Manager
County of San Luis Obispo

Judy Morris
Trinity County Supervisor
On behalf of the North Coast Resource Partnership leadership

Norma Sierra Galindo, Board President
Imperial Irrigation District

EILEEN MANNIX
Board President
Twain Harte Community Services District

Susan Robinson
Program Director,
Greater Monterey County Integrated Regional Water Management Program

Michael D. Nusser, Water Resources Associate
Coachella Valley Water District
On behalf of the Coachella Valley Regional Water Management Group

Lance Eckhart
Director of Basin Management and Resource Planning, Mojave Water Agency
Mojave IRWM Coordinator

Senior Deputy Executive Officer
County of Ventura, Government Affairs

Dana Munn
Chairman, Poso Creek IRWM Group

Tim Carson, Program Director
Regional Water Management Foundation
Santa Cruz IRWM

Mary Fast
Chair
Kings Basin Water Authority

Jim Alves
Associate Civil Engineer ● Utilities Department
City of Modesto, CA
East Stanislaus IRWM Region Representative

Eric Averett
Co-Chairman of the Executive Committee
Kern IRWM

Tracey Ferguson, AICP, Representative
Upper Feather River Integrated RWMG

John Thiel
General Manager
South Tahoe Public Utility District

cc: Senator Bob Wieckowski, Chair Senate Budget Sub 2
Senator Brian Jones, Senate Budget Sub 2, Vice Chair Sen. Natural Resources and Water Comm
Senator Henry Stern, Chair, Senate Natural Resources and Water Committee
Assemblymember Richard Bloom, Chair Assembly Sub 3
Assemblymember Eduardo Garcia, Chair Assembly Water, Parks and Wildlife Comm
Assemblymember Megan Dahle, Chair Assembly Water, Parks and Wildlife Comm
Assemblymember Laura Friedman, Chair Assembly Natural Resources Committee
Assemblymember Heath Flora, Vice Chair Assembly Natural Resources Committee
Director Kate Gordon, Office of Planning and Research
Rachel Machi Wagoner, Deputy Legislative Secretary

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March 1, 2021

The Honorable Anthony Portantino
State Capitol, Room 5046
Sacramento, CA 95814

The Honorable Ben Allen
State Capitol, Room 5080
Sacramento, CA 95814

The Honorable Melissa Hurtado
State Capitol, Room 3070
Sacramento, CA 95814

The Honorable Henry Stern
State Capitol, Room 5080
Sacramento, CA 95814

RE: Senate Bill 45 (Portantino, Allen, Hurtado and Stern) – SUPPORT

Dear Honorable California State Senators,

On behalf of the Upper Feather River Integrated Regional Water Management Group, we would like to express our support of SB 45 (Portantino, Allen, Hurtado, and Stern) or the Wildfire Prevention, Safe Drinking Water, Drought Preparation, and Flood Protection Bond Act of 2022. Climate related disasters have strained the capacity of local governments to manage existing environmental challenges and prepare for future ones. Through SB 45, we believe that California can begin to take steps towards making local communities more climate resilient by directly investing in programs that help withstand the impacts of climate change.

The powerful effects of climate change have caused immeasurable damage to communities across the state. In the last few years alone, California has seen more natural disasters than ever before. Devastating wildfires, drought, sea-level rise, and flooding are among the many climate related disasters facing the state. These looming threats are only expected to increase in frequency and intensity.

In the past year alone, the wildfires that occurred broke nearly every record to date, burning over four million acres and impacting the health and safety of millions of Californians. The increasingly destructive scale of disasters such as this demonstrates a need for aggressive action. Greater financial support from the state is paramount to prepare local communities for the climate related threats that lie ahead.

Investing in climate-change preparedness within communities will allow local governments to implement preventative measures that promote resiliency and enhance their ability to mitigate the effects of climate change. These actions will not only protect life, livelihoods, and vital natural resources, but also save the state billions of dollars in avoided damage costs from climate-impacted property, infrastructure, and working lands.

The Upper Feather River Integrated Regional Water Management (IRWM) Program of more than 18 years has proven to be an effective and successful collaboration of stakeholders in the Region, which is an important headwaters area for the State's water supply.

Our Region has suffered the effects of catastrophic wildfire, drought, and tree mortality with increasing frequency and severity. Being a very rural, disadvantaged region, the Upper Feather River IRWM Program has filled a vital role in bringing our widely-varied stakeholders together to identify and support region-wide planning and implementation projects that will address climate change vulnerabilities.

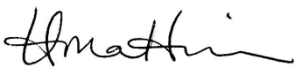
For the reasons stated above, we would like to express our strong support for the array of activities that SB 45 would fund. Further, the goals of the IRWM Program (SB 1672) align with SB 45, and we urge you to allocate funding specifically to the IRWM Program as an instrument for its continued implementation.

The IRWM Program has received nearly 20 years of State support and $1.5 billion in funding to advance integrated, multi-benefit regional projects. In that time, regional IRWM Programs have developed well-established and long-standing relationships and collaboration between water resource managers, local governments, disadvantaged communities and Tribes within regions, as well as inter-regionally. The IRWM Program is critical to the comprehensive planning for water resource management, watershed and habitat restoration, forest resiliency, wildfire prevention, and climate resilience throughout the State's regions, and particularly in the rural headwaters.

Dedicating specific SB 45 funding to the IRWM Program will directly support regions and communities in building on established collaborations to continue to address climate resiliency and water supply efficiencies for their communities.

We thank you for your continued leadership. For more information, please contact me at ufr.contact@gmail.com or (916) 813-0818.

Sincerely,



Uma Hinman, Coordinator
Upper Feather River Integrated Regional Water Management Group

ON BEHALF OF

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

Cc: Assembly Member Megan Dahle
Senator Brian Dahle
Tina Andolina
Evan Goldberg
Tara McGee
Jeff Engel, Chair, Plumas County Board of Supervisors
Paul Roen, Sierra County Board of Supervisors
Doug Teeter, Butte County Board of Supervisors
Aaron Albaugh, Chair, Lassen County Board of Supervisors
Tracey Ferguson, AICP, Planning Director, Plumas County Planning Department

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May 18, 2021

The Honorable Nancy Skinner, Chair
Senate Budget and Fiscal Review Committee
State Capitol, Room 5019
Sacramento, CA 95814

The Honorable Phil Ting, Chair
Assembly Budget Committee
State Capitol, Room 6026
Sacramento, CA 95814

RE: Inclusion of IRWM Funding in Drought Relief and Resiliency Package

Dear Honorable Senator Skinner and Assemblymember Ting:

The **Upper Feather River Integrated Regional Water Management Group strongly supports and urges the inclusion of $510 million in statewide funding for** Integrated Regional Water Management (IRWM) regions **in the final drought relief and resiliency package.** We request the funding be allocated to IRWM Funding Areas based on hydrologic regions as defined by the California Water Plan, consistent with the previously approved Proposition 1 Water Bond. The $510 million request exactly replicates the amount allocated to IRWM regions through Proposition 1.

California's IRWM program is well established and the associated infrastructure that the Program already has in place makes it a ready vehicle for rapid allocation and deployment of drought relief and response funding. IRWM is a highly effective and efficient collaborative effort to plan and implement water management solutions on a regional scale. The IRWM approach delivers a higher value for investments by considering all interested entities, working across jurisdictional boundaries, encouraging diverse partnerships through collaboration, and prioritizing multiple benefit projects.

The 48 IRWM regions represent 99% of the state's population, and efficiently serve as a funnel to provide funding for projects that directly benefit the people they serve, including disadvantaged communities and Native American Tribes.

In addition to robust IRWM funding, we encourage consideration of funding for other important water resources priorities, such as water quality improvement, water recycling, desalting, dam safety rehabilitation, regional water system interconnectivity, groundwater sustainability and stormwater management. We believe that this water resource funding is an important component to the protection of public health through funding drinking water and wastewater projects, while creating jobs in California when we desperately need them.

The IRWM process puts us in a great position to get projects under way in a meaningful fashion with a prioritized list of projects that has been vetted at the local level through IRWM plans.

In his Water Resilience Portfolio released last year, Governor Gavin Newsom identified IRWM as one of the best programs to implement major portions of the Portfolio. IRWM funds a diverse set of projects that meet the goals of regional partnership and climate resilience.

In the past, IRWM has funded conservation, recycled water, stormwater, groundwater recharge, habitat restoration, salt removal and many other projects on a regional scale – exactly the types of projects that can advance and improve regional and inter-regional water resiliency and sustainability, and in a manner that is expedited, responsive to drought conditions, and utilizes existing infrastructure and programs to deliver project benefits.

Investment in IRWM is leveraged by matching local funds. Over the past several years, the state has invested approximately $1.45 billion in bond funds in IRWM projects, and the regions throughout the state have matched that amount with an additional $5.6 billion spent on those collaborative projects. The matching funds required under previous bond allocations leverage state investment and increase overall funding for regional and inter-regional water resilience.

The Upper Feather River IRWM Program of more than 18 years has proven to be an effective and successful collaboration of stakeholders in the region, which is the headwaters of Lake Oroville, the principal storage facility of the State Water Project, which delivers water to over two-thirds of California's population and provides an average of 34.3 million acre-feet (AF)/year of agricultural water to the Central Valley.

Our region has suffered the effects of catastrophic wildfire, drought, and tree mortality with increasing frequency and severity. Being a very rural, disadvantaged region, the Upper Feather River IRWM Program has filled a vital role in bringing our widely-varied stakeholders together to identify and support region-wide planning and implementation projects that will address climate change vulnerabilities.

For the reasons stated above, we would like to express our strong support for allocation of funding specifically to the IRWM Program as an instrument for its continued implementation.

The IRWM Program has received nearly 20 years of State support and $1.5 billion in funding to advance integrated, multi-benefit regional projects. In that time, regional IRWM Programs have developed well-established and long-standing relationships and collaboration between water resource managers, local governments, disadvantaged communities and Tribes within regions, as well as inter-regionally. The IRWM Program is critical to the comprehensive planning for water resource management, watershed and habitat restoration, forest resiliency, wildfire prevention, and climate resilience throughout the State's regions, and particularly in the rural headwaters. We appreciate your leadership on water and climate issues and look forward to answering any questions you may have.

The Upper Feather River Integrated Regional Water Management Group urges including $510 million in a final drought relief and resiliency package to help facilitate the achievement of regional and inter-regional water resilience as proposed by the Governor through the Water Resilience Portfolio and in response to the pressing water shortage and drought conditions facing California.

For more information, please contact me at ufr.contact@gmail.com or (916) 813-0818.

Sincerely,

Uma Hinman, Coordinator
Upper Feather River Integrated Regional Water Management Group

ON BEHALF OF

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

Attachment: Upper Feather River IRWM Region Fact Sheet

Cc: Assembly Member Megan Dahle
Senator Brian Dahle
Joe Stephenshaw, Budget Committee Staff Director
Joanne Roy, Resources, Environmental Protection and Energy Subcommittee Staff
James Hacker, Resources, Environmental Protection and Energy Subcommittee Staff
Christian Griffith, Chief Consultant
Jeff Engel, Chair, Plumas County Board of Supervisors
Paul Roen, Sierra County Board of Supervisors
Doug Teeter, Butte County Board of Supervisors
Aaron Albaugh, Chair, Lassen County Board of Supervisors
Tracey Ferguson, AICP, Planning Director, Plumas County Planning Department
Jodie Monaghan, Network Coordinator, IRWM Roundtable of Regions

INTEGRATED REGIONAL WATER MANAGEMENT

Upper Feather River (UFR)

Upper Feather River Integrated Regional Water Management Group

Region At-A-Glance

Region Description

The UFR Region encompasses 3,600 square miles of the rural northern Sierra Mountains recognized for its vital natural resources and recreational and aesthetic values. The Region's watershed is the headwaters of Lake Oroville, which is the largest reservoir in the State Water Project that delivers high quality water for hydrogeneration agriculture and drinking to over 2/3rds of California's population. Most of the Region is classified as disadvantaged.

Counties Within the Region

All of Plumas County and portions of Sierra, Butte, Lassen, and Yuba counties.

Population Served

30,000

IRWM Funding Brought to the UFR Region

$8.7 million

Amount of Funding Leveraged by Locals

$1.8 million

California Senate and Assembly Districts

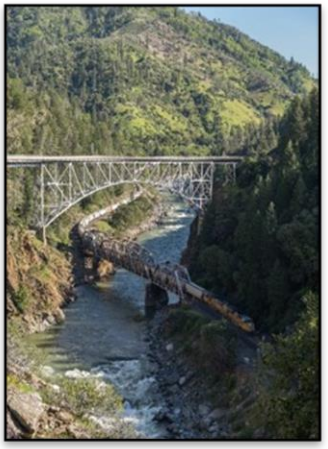
District 1

Governance Description

The UFR Integrated Regional Water Management Group (RWMG) consists of 12 member agencies and a public member, with 8 of the member agencies having statutory authority over water supply and/or management. The composition of the RWMG provides a broad representation of water resource, natural resource, local government, Tribes, and land use management interests for the UFR Region.

Top Region Priorities

- Update aging and inadequate municipal and agricultural water infrastructure.
- Manage watershed restoration for improved habitat and sustainable groundwater recharge.
- Increase forest and water supply resiliency to climate changes, drought, tree mortality, and catastrophic wildfire.
- Improve resource and community capacity deficits including financial, staffing, and technical expertise that are common consequences of the very rural and aging population of the UFR Region.



Region Successes and Highlights

1. Leveraged over $18 million in grant funding for implementing projects identified in the UFR IRWM Plan benefiting disadvantaged communities (DAC) and Tribes and watershed and habitat restoration efforts within the Region.
2. Successful acquisition of DWR Proposition 1 Round 1 Disadvantaged Community grant funding that supports regional DACs with improved domestic and emergency water supplies.
3. Active member of the Mountain Counties Funding Area Coordinating Committee collaborating to implement DAC funding and programs throughout the headwaters regions.

Region Contacts

Contact: Tracey Ferguson, AICP
Phone: (530) 283-6214
Title: Plumas County Planning Director
Email: traceyferguson@countyofplumas.com

Contact: Uma Hinman
Phone: (916) 813-0818
Title: RWMG Coordinator
Email: ufr.contact@gmail.com

Website: www.featherriver.org

Upper Feather River
Integrated
Regional Water Management Group

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

February 15, 2022

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

RE: Support Letter for Sierra Institute's application for Proposition 1 Disadvantaged Community and Tribal Involvement Drought Funding DAC Set-Aside for the Mountain Counties Funding Area

Dear IRWM staff:

This letter is being submitted on behalf of the Upper Feather River Integrated Regional Water Management Group (RWMG) in support of the Sierra Institute's (SI) grant application for the Disadvantaged Community and Tribal Involvement (DACTI) Program Drought DAC Funding Set-Aside for the Mountain Counties Funding Area (MCFA).

The Sierra Institute is the current grantee for the DACTI Program grant for the MCFA (DWR Agreement No. 46000122118).

The Upper Feather River Integrated RWMG has participated in the MCFA's DACTI Program grant and is a signatory to the MCFA memorandum of understanding that sets forth the non-competitive and equitable distribution of DACTI funds for projects amongst the IRWM regions that make up the funding area.

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

Sincerely,

Uma Hinman
Upper Feather River IRWM Coordinator

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

Upper Feather River
Integrated
Regional Water Management Group

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

March 1, 2022

California Department of Fish and Wildlife
CDFW Headquarters
715 P Street
Sacramento, CA 95814

RE: Support Letter for Sierra Valley Groundwater Management District's Application for 2022 Proposition 1 Watershed Restoration Grant Program

To California Department of Fish and Wildlife:

The Upper Feather River Integrated Regional Water Management Group (RWMG) is pleased to provide this letter of support for Sierra Valley Groundwater Management District's application to seek state funds under the 2022 Proposition 1 Watershed Restoration Grant Program Proposal Solicitation. The Sierra Valley Watershed is currently experiencing unprecedented drought conditions, which has been exacerbated by the recent wildfires impacting the region's scenic and diverse landscape. Without these funds, SVGMD will not be able to build long-term resiliency by addressing their groundwater overdraft and filling critical data gaps and implementing projects and management actions listed in their Groundwater Sustainability Plan.

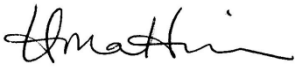
The Upper Feather River Integrated RWMG is committed to assisting the District's efforts to protect and restore the Sierra Valley Watershed. The proposed project meets a number of goals and objectives in the 2016 Upper Feather River Integrated Regional Water Management Plan, including the following:

- Protect and improve water quality and water supply reliability.
- Protect and improve the health of the environment.
- Restore natural hydrologic functions.
- Protect, restore, and enhance the quality of surface and groundwater resources for all beneficial uses, consistent with the Basin Plan.
- Coordinate management of recharge areas and protect groundwater resources.
- Maximize agricultural, environmental and municipal water use efficiency.
- Effectively address climate change adaptation and/or mitigation in water resources management.
- Build communication and collaboration among water resources stakeholders in the Region.
- Enhance public awareness and understanding of water management issues and needs.

The Upper Feather River Integrated RWMG will assist through identifying project collaborators and offering input throughout the development and planning process.

The Upper Feather River Integrated RWMG supports the District's request and urges the California Department of Fish and Wildlife to approve state funding for the project.

Sincerely,



Uma Hinman
Upper Feather River IRWM Coordinator

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

This document, a Memorandum of Commitment ("MOC"), is intended to affirm the commitment by all Mountain Counties Funding Area Integrated Regional Water Management groups (collectively referred to here as the "IRWMs") to equally divide Proposition 1 Integrated Regional Water Management Implementation funds ("Prop 1 funds"). By doing so the IRWMs also agree to forego a competitive application process with the California Department of Water Resources ("DWR") regarding division of Proposition 1 funding allocated to the IRWMs of the Mountain County Funding Area. IRWMs include:

- Cosumnes-American-Bear-Yuba
- Madera
- Mokelumne-Amador-Calaveras
- Northern Sacramento Valley
- Southern Sierra
- Tuolumne-Stanislaus
- Upper Feather River
- Yosemite-Mariposa
- Yuba County

The above IRWMs represent all participating Integrated Regional Water Management areas within the Mountain Counties Funding Area ("MCFA"), as designated under Proposition 1 (excluding the American River Basin IRWM, as it has opted out of participation and funding). The previous competitive process has been unsatisfactory to the IRWMs, as such competitive applications require extensive time and resources and too often result in no funding. Given the probability of denial and the relatively small amount of money available through Proposition 1, a competitive application process would deter some IRWMs from participating. To address this problem, the IRWMs have proposed and independently ratified an agreement to each apply for no more than one-ninth ($1/9^{th}$) of available Prop 1 funds in both rounds of Prop 1 funding.

As specified in DWR's April 2019 Round 1 IRWM Implementation Grant Proposal Solicitation Package ("April 2019 PSP"), there is $10,316,094 available in implementation funding for the MCFA, of which $1,300,000 is devoted specifically to Disadvantaged Communities ("DACs") and Tribes, and $9,016,094 for general projects. This document affirms that the IRWMs have agreed to pre-allocate the available funding among the participants as more fully described in Exhibit A below.

Specifically, the IRWMs agree to the following:

1. The funding allocation has been agreed upon and is affirmed by the signatories. The MOC is inclusive of both Round 1 and Round 2 of the Prop 1 funding process. The MOC is binding for Round 1 and Round 2 of the Prop 1 funding process.
2. If any IRWM elects not to affirm this MOC, notice of their failure to comply with this and pre-existing agreements will be shared with the remaining IRWMs and this MOC shall be invalidated.

3. The funding amounts specified in Exhibit A represent the maximum amount of implementation funding that may be made available to each IRWM, barring specific agreements to the contrary. Any IRWM may choose to apply for less than this amount, in which case that IRWM may choose to designate an alternate recipient for its unclaimed portion of funding, or the unused portion will be made available for other IRWMs based on further discussion and agreement. IRWMs may choose to divide their total allocation of Prop 1 funding between Round 1 and Round 2 as they see fit, pursuant to the Round 1 and Round 2 maximum funding limits established by DWR.
    a. Any IRWM intending to apply for either more or less than their total allocation amount as specified in Exhibit A shall notify Sierra Institute for Community and Environment ("Sierra Institute") and the other IRWMs not later than 90 days prior to the application deadline for Round 2 of Prop 1 funds. Any IRWM applying for more than its total allocation of funds, as specified in Exhibit A, must receive written consent from the other IRWMs.
    b. All IRWMs must notify Sierra Institute and the other IRWMs in writing of their anticipated application amount for Round 2 of Prop 1 funds not later than 30 days prior to the application deadline for Round 2, to allow time for confirming the total requested amount from the MCFA.
4. For any MCFA IRWM to which DAC and Tribe implementation funding is allocated, said funding may only be used for projects that provide at least 75% of benefits to DACs or Tribes, pursuant to the requirements in the April 2019 PSP, or future Prop 1 Program solicitations. The IRWMs collectively pledge to utilize all $1,300,000 of available Prop 1 funding dedicated for DACs and Tribes. To that end, no IRWM may choose to request a proportionally greater share of General implementation funds and proportionally lower share of DAC and Tribe implementation funds without an express written agreement by another IRWM to use the increased share of DAC and Tribe funding.

Exhibit A

MCFA Proposition 1 IRWM Implementation Grant Funding Available per IRWM

	DAC/Tribe Implementation	***General Implementation***	***Total Implementation Funding***
Round 1	$50, 555.55	$500,894.11	$551,449.66
Round 2	$93,888.88	$500,894.11	$594,782.99
Total	$144,444.43	$1,001,788.22	$1,146,232.65

ITEM NO. A.4

Upper Feather River
Integrated Regional Water Management

Regional Water Management Group Meeting
March 11, 2022

To: Upper Feather River Regional Water Management Group

From: Uma Hinman, Hinman & Associates Consulting

Subject: Support Services Financial Report

INTRODUCTION

Since completion of the of the Upper Feather River (UFR) Integrated Regional Water Management (IRWM) Plan update in December 2016, the UFR Regional Water Management Group (RWMG) has supported a contract for Support Services that runs with a July 1 – June 30 fiscal year basis. Plumas County serves as the fiscal agent.

The Fiscal Year 2021-22 budget for UFR RWMG support services is for an amount not to exceed $25,000. The UFR IRWM Region includes all of Plumas County and portions of Sierra, Butte and Lassen Counties. Additionally, small slivers of Shasta and Yuba Counties are within the IRWM boundaries; however, the areas consist primarily of public lands, and the respective counties have not participated as of yet.

Although Plumas County acts as the fiscal agent for the Support Services contract, Butte, Sierra and Lassen Counties contribute funds to directly offset the cost to Plumas County, as shown in Table 1 below. The contributions are based on geographic area represented within the UFR IRWM Region, not including Shasta and Yuba Counties.

Each fiscal year, letters are distributed to each of the participating counties requesting contributions to offset Plumas County's funding of the RWMG Support Services Contract (Table 1).

Table 1. Summary of budget contributions and payment status for fiscal years 2021-22

County	Acreage in Plan Area	Geographic Representation (%)	Budget Contribution
Butte	345,850	15.1	$ 3,775
Lassen	119,394	5.2	$ 1,300
Plumas	1,653,456	72.2	$ 18,050
Sierra	172,367	7.5	$ 1,875
Totals		**100**	**$ 25,000**

Contract for Support Services

Since 2017, the County of Plumas has contracted with Hinman & Associates Consulting, Inc. to provide support services to the Upper Feather River Regional Water Management. The current support contract with Hinman & Associates Consulting is an annual contract that follows the fiscal year and expires June 30, 2022.

Expenditures for the three most recent years are summarized in Table 2.

Table 2. Summary of contract budget expenses for Fiscal Years 2019-20 through 2021-22.

Budget Expenses	Invoice Totals ($)	Notes
Fiscal Year 2019-20		
UFR RWMG Support Services	28,683	Labor, mileage & materials
Website domain and hosting (due in August)	295	Annual web hosting fee
Total	**28,978**	
Fiscal Year 2020-21		
UFR RWMG Support Services	18,191	Labor & materials
Website domain and hosting (due in August)	295	Annual web hosting fee
Total	**18,486**	
Fiscal Year 2021-22 (to date)		
UFR RWMG Support Services	9,259	Labor & materials
Website domain and hosting (due in August)	295	Annual web hosting fee
Total	**9,554**	

The Support Services scope of work consists of the following:

- Tracking emails and policy documents;
- Assist with project development and grant application(s) efforts upon request;
- Lead for the Regional Water Management Group (RWMG) meeting(s) logistics, agendas, and meeting facilitation;
- Maintain and update the UFR IRWM website (featheriver.org);
- Manage communication to the RWMG and stakeholders;
- Research, identify, and distribute funding opportunities to region's stakeholders;
- Participate in Mountain Counties Funding Area coordination and project development efforts;
- Participate in IRWM Roundtable of Regions coordination and advocacy efforts;
- Other water use, water quality, groundwater management, water conservation, and water planning support services, as assigned;
- Project contract management; and
- Organizational strategizing and financial planning.

STAFF RECOMMENDATION

Informational.

ITEM NO. 1

Upper Feather River
Integrated Regional Water Management

Regional Water Management Group Meeting
March 11, 2022

To: Upper Feather River Regional Water Management Group

From: Uma Hinman, Hinman & Associates Consulting

Subject: **Regional Water Management Group Administration**

INTRODUCTION

The following items relate to the administrative functions of the Upper Feather River (UFR) Regional Water Management Group (RWMG).

a. Membership and Representation

The UFR RWMG was established by a Memorandum of Understanding (MOU) in November 2014 to implement a long-term IRWM Program in the Upper Feather River Watershed. The stated intent of the IRWM Program is to coordinate planning and land and water resource management interests and agencies within the Upper Feather River Watershed with a goal to promote stability and consistency in the planning, management, and coordination of resources within the Upper Feather River Watershed and to implement projects to benefit the region.

The MOU specifies 10 voting representatives and 3 advisory representatives from the National Forests (Plumas, Lassen and Tahoe). One of the 10 voting representatives is a public member, who was initially selected to represent the Lake Almanor region. See Table 1 for current members of the RWMG.

Table 1. Current Regional Water Management Group Membership and Representation

Member Agency	Representative	Role
Plumas County Flood Control and Water Conservation District	Sherrie Thrall (Chair)	Voting
County of Sierra	Paul Roen (Vice-Chair)	Voting
County of Plumas	Dwight Ceresola	Voting
County of Butte	Doug Teeter	Voting
Feather River Resource Conservation District	Russell Reid	Voting
Sierra Valley Resource Conservation District	Rick Roberti	Voting
Sierra Valley Groundwater Management District	Einen Grandi	Voting
Plumas County Community Development Commission	Roger Diefendorf	Voting
Native American Representative	Trina Cunningham	Voting
Appointee from the Almanor Basin	Vacant	Voting
Plumas National Forest	TBD	Advisory
Lassen National Forest	TBD	Advisory
Tahoe National Forest	TBD	Advisory

b. Selection of Officers

The RWMG will consider nominations and select a Chair and Vice-Chair.

c. Vacant Almanor Basin Representative Seat

When the MOU was established in 2014, a public member representing the Almanor Basin was appointed to the RWMG. The seat has been vacant since 2019.

d. Contracted Support Services

Since 2017, the County of Plumas has contracted with Hinman & Associates Consulting, Inc. to provide support services to the Upper Feather River Regional Water Management Group on a fiscal year (July 1 – June 30) basis; the current contract expires June 30, 2022. The annual budget for the contract has to-date averaged $25,000 and is funded by contributions from the four primary counties within Region (Plumas, Butte, Sierra and Lassen counties) based proportionately on geographic representation in the watershed. See Item A.4 for a report on the Support Services budget.

The Support Services scope of work consists of the following:

- Tracking emails and policy documents;
- Assist with project development and grant application(s) efforts upon request;
- Lead for the Regional Water Management Group (RWMG) meeting(s) logistics, agendas, and meeting facilitation;
- Maintain and update the UFR IRWM website (featheriver.org);
- Manage communication to the RWMG and stakeholders;
- Research, identify, and distribute funding opportunities to region's stakeholders;
- Participate in Mountain Counties Funding Area coordination and project development efforts;
- Participate in IRWM Roundtable of Regions coordination and advocacy efforts;
- Other water use, water quality, groundwater management, water conservation, and water planning support services, as assigned;
- Project contract management; and
- Organizational strategizing and financial planning.

Staff requests discussion and direction regarding the Support Services contract for FY 2022-23.

STAFF RECOMMENDATION

Discussion and direction to staff.

ITEM NO. 2

Upper Feather River
Integrated Regional Water Management

Regional Water Management Group Meeting
March 11, 2022

To: Upper Feather River Regional Water Management Group

From: Uma Hinman, Hinman & Associates Consulting

Subject: IRWM Roundtable of Regions

DISCUSSION

The Roundtable of Regions is a consortium of representatives from 48 Integrated Regional Water Management (IRWM) Regions around the state. Each IRWM is unique - but they all share many common interests. The Roundtable provides a forum for interested parties working on IRWM to discuss those interests and to share their successes and challenges. It also provides a forum for collaborating and providing input to the State on the IRWM Program.

The Roundtable of Regions developed a Draft White Paper titled *Moving Forward: Charting a Course for Future Regional Water Resilience. Principles and Recommended Actions for Integrated Regional Water Management* (Attachment 1). The White Paper identifies recommendations for legislative actions, state actions, actions for the Roundtable, and actions for individual IRWM regions.

The identified recommendations for Individual IRWM Regions are as follows:

1. **The IRWM RWMGs and/or broader IRWM stakeholder groups should consider serving as a forum for multiple types of water management programs within their regions.**
   Regions that view themselves as the most successful and most likely to continue absent future state funding reportedly serve as forums for collaboration on a broad range of water management initiatives and programs. Since many of the programs include the same or overlapping stakeholder interests, IRWM region stakeholder groups can become an efficient focal point for addressing surface water, drinking water, groundwater, stormwater, recycled water, and other conjunctive use programs as well as other water-related issues including forest health and climate resilience. To accomplish this, existing RWMGs should consider engaging representatives from the various water management programs listed above as well as NGOs and other interested parties which would also help eliminate duplication of effort through enhanced coordination.

2. **Each region should continue to look for creative funding solutions for implementing integrated, multi-benefit water management projects, beyond state grant programs – and continue to support Tribes and DACs.**

Each Region could establish a mechanism to review new and existing projects and suggest possible mechanisms such as local, State, Federal, and private funding sources. Matching projects to any grant opportunities, then bringing project proponents together would streamline the funding process. There is a lot of money available in the private sector through corporations and philanthropy. Regions self-reporting to be extremely successful observed that having a process devoted to seeking diverse funding for projects expands the funding opportunities and results in more projects being implemented.

3. **IRWM decision-making bodies (such as the RWMGs) should recruit non-agency representatives to join them, thus facilitation more diverse participation in the governance of a region.**
Though the California Water Code defines "Regional water management groups" as "a group in which three or more local agencies, at least two of which have statutory authority over water supply or water management, as well as those other persons who may be necessary for the development and implementation of a plan that meets the requirements in Sections 10540 and 10541, participate by means of a joint powers agreement, memorandum of understanding, or other written agreement, as appropriate, that is approved by the governing bodies of those local agencies,"[1] this is not meant to limit the composition of IRWM decision-making groups. Successful IRWM Regions tend to have broader representation and engagement than the definition provided in the Water Code.

   Most regions report their RWMG consists of five members; in many cases, membership comprises only public agencies. To give diverse stakeholders greater opportunities to direct the future of their region, RWMGs should encourage representatives from Tribes, and other under-served communities, non-profits, environmental groups, academia and other interested parties to serve on the management group or in advisory/steering committees to the RWMG for their region. There is likely to be more regional support of IRWM when the governance structure includes more stakeholders.

RECOMMENDATION

Informational.

Attachment: DRAFT White Paper

[1] https://california.public.law/codes/ca_water_code_section_10539

Moving Forward:
Charting a Course for Future Regional Water Resilience

Principles and Recommended Actions for Integrated Regional Water Management

A work in progress…..

PREAMBLE

Purposeful Collaboration for Future Resilience:

Integrated Regional Water Management (IRWM) is an established, efficient model for water management planning to achieve water resilience for all Californians. This document highlights the benefits, successes, and challenges of implementing the IRWM approach.

Purposeful action is needed to sustain the great work conducted since the State initiated the IRWM Program in 2002. The Roundtable of Regions, a statewide network of representatives from organizations and agencies engaged in the practice of IRWM, prepared this document to provide key recommendations to maintain, enhance and expand both the IRWM Program and the practice of IRWM. The recommendations are based on experience and a thoughtful evaluation of the recently conducted assessment of the strengths of, and challenges faced by, the IRWM Regions.

This document is organized as follows:

- Introduction and IRWM Overview
- IRWM Background and Principles
- Assessment of IRWM Strengths and Opportunities
- Recommendations

INTRODUCTION AND IRWM OVERVIEW

Vision Becomes Action:

California's future depends on the bold actions we take today to manage water effectively and efficiently, and to adapt to the urgent challenges posed by our rapidly changing climate, growing and changing population, social and economic and inequities, environmental degradation, and economic

uncertainty. Most of our state's water resources are managed at the local and regional level through the actions of thousands of agencies, organizations, and residents. Successful efforts to ensure water resilience should be developed and implemented through collaboration and planning at the regional level with support from the state.

Fortunately, the state legislature had the vision and foresight to enact the Regional Water Management Planning Act (SB 1672), a new and creative approach to managing water at the regional scale. This act went to the voters as Proposition 50 in 2002 Act and was approved by a large majority of voters. This approach led to a new paradigm of water management, which helped break down old "silos", and resulted in a more collaborative effort to manage water on a regional scale. Following passage of the Regional Water Management Planning Act and Proposition 50, 48 regional planning entities (IRWM regions) formed. These regions worked across jurisdictional boundaries to build new inclusive networks of stakeholders, re-think long-established water management practices, and implement integrated, multi-benefit projects and programs. As a result, substantial investments in human and financial capital have been made within these regions to enhance regional water resilience across California over the past 19 years.

IRWM is a voluntary endeavor supported by open, inclusive and transparent collaboration among public and non-governmental stakeholders. The 48 IRWM Regions serve 99 percent of California's population.

IRWM is California's collaborative backbone for:

- Strengthening the resilience of water supplies in the face of challenges created by climate change,
- Ensuring equitable access to and involvement in water management for Tribes and other under-served communities,
- Helping provide safe, reliable, and affordable water supplies for all Californians,
- Protecting and enhancing watersheds, wildlands, headwaters, and fisheries,
- Supporting groundwater sustainability, and
- improving energy efficiency and reducing greenhouse gas emissions from water management operations.

IRWM BACKGROUND AND PRINCIPLES

The success of IRWM results from people working together regionally across varied interests, backgrounds, cultures, needs and jurisdictional boundaries to achieve water resilience and water-related equity. IRWM provides a unique "place at the table" for Tribes, disadvantaged communities, small water systems, and vulnerable populations to collaborate with a multitude of local agencies and other stakeholders working together to achieve regional water resilience. The level and extent of integration and inclusivity that IRWM provides to water management through its well-established collaborative networks is not found in other programs in California.

Each of the IRWM Regions has developed a plan that offers an integrated approach for addressing water management issues within its region. Each region seeks out funding to support planning and implementation of projects to achieve the goals established in its plan. Since the inception of the IRWM Program and regions, the regions have matched $1.45 billion in State grant funds with $5.6 billion of local monies to implement more than 1,500 multi-benefit projects. It is one of the few programs in the state that provides significant support to disadvantaged communities and Tribes, largely through the Proposition 1 DACI Program and local efforts. One of the **key principles** of IRWM is collaboration supported by open, inclusive and transparent stakeholder involvement processes. The Roundtable supports the policy principles (see Appendix A) developed by the Association of California Water Agencies (ACWA), which adopted policy principles defining its support for IRWM in 2019. Please see Appendix A for these principle statements.

Stakeholders participate in this voluntary effort because they see the value in working together to manage natural resources at the regional level – where the California Water Plan: Update 2018 and the 2020 Water Resilience Portfolio say it belongs. IRWM region stakeholders include state, local and federal agencies; water providers; wastewater agencies; flood control agencies, resource conservation districts, environmental and other community organizations, disadvantaged and other under-represented communities, Tribes, groundwater management agencies, academics, and business and labor leaders.

ASSESSMENT OF IRWM SUCCESSES AND OPPORTUNITIES

The IRWM Roundtable of Regions (Roundtable), is a statewide network of representatives from organizations and agencies engaged in the practice of IRWM (Please see **Figure 2** for a map of the 48 IRWM regions). The Roundtable formed in 2006 as a forum for IRWM Regions to collaborate across the state, learn from one another, and elevate the values and benefits of IRWM – including regional water resilience.

Current State of IRWM: Practitioner Assessment

In 2020, the Roundtable conducted an extensive assessment of the state of IRWM – through interviews with those implementing IRWM in all 48 regions across the state. The findings of this assessment were published in a report released in April of 2021. The assessment interviews were intended to document each region's strengths and successes, and also the challenges and opportunities for improvement.

Key Findings of the Assessment:

1) Each region is unique and IRWM is a flexible, multi-solution approach to addressing differing needs and priorities.
2) No two regions are the same and no two regions run their IRWM program in the same manner.
3) What one region sees as a challenge, another region might see as a strength.

4) **Region-recognized Benefits of IRWM** are wide-ranging, and include (but are not limited to):
   - Considerable stakeholder engagement.
   - Enhanced and/or new relationships and levels of trust.
   - Authentic collaboration and consensus building.
   - Reduction in water-related conflicts.
   - Broader, more inclusive regional water plans based on locally established priorities.
   - Significant return on investment.
   - Forum for a variety of water management programs and initiatives.
   - Strong leadership.
   - Effective decision-making and governance structures founded in self-determination.
   - Unprecedented engagement with under-served and Tribal communities.
   - Effective partnership with state agencies such as DWR.
   - Valuable forum for information regarding funding opportunities, collaborative problem solving and project implementation.

5) **IRWM Regions experience challenges**
   - Some regions noted that stakeholders are not as engaged as they once were
   - Difficulty getting Tribes to actively engage in some regions.
   - Not all stakeholders participate in some regions.
   - Ongoing funding to support the practice of IRWM in some regions is tenuous or uncertain.

- Competing water programs often vie for limited resources (i.e., challenges implementing SGMA and IRWM simultaneously).
- RWMG staff turnover and/or lack of training.
- Lack of sufficient technical assistance in regions with low funding or capacity – inequity across the state.

6) **There is room for improvement administering IRWM Grants**:
   - Allocation formula for implementation grant funding in the statutes is uneven (some regions feel this allocation disproportionately benefits some parts of the state over others.
   - Inadequate grant support for IRWM planning.
   - Costly and time-consuming grant process.
   - Shortages of staffing and/or inconsistency in interpretation of guidelines and contracts in state granting agencies.

The detailed results and findings of those interviews can be found in the final IRWM Assessment Report (http:xxxx).

Recommendations

The Roundtable offers recommendations for the future that are based in experience, and in the findings from the IRWM Assessment Report and which build upon the solid foundation of IRWM stakeholder engagement, under-represented community support, collaborative decision-making and regional project implementation to support statewide climate and water resilience goals.

These recommendations fall into several categories: legislative actions, state actions, actions for the Roundtable, and actions for individual IRWM regions. These recommendations build upon the assessment findings mentioned above.

Recommendations for the State Legislature and State Agencies

IRWM regions seek active engagement with the State Legislature and the Newsom Administration to strengthen their partnership with the State, carry out the principles outlined in the Governor's Water Resilience Portfolio, build on the extensive progress and accomplishments that have been achieved through IRWM, and create opportunities for continued and expanded fulfillment of IRWM's crucial role in building water resiliency and creating equitable opportunities in California.

1. **Formally acknowledge and build on the benefits of IRWM.**
   IRWM has provided, and will continue to provide, tremendous value to the State – and should be recognized as the benchmark of regional management.

a) **State leadership should fully embrace and continue to express strong commitment to the IRWM approach for implementing regional water and climate initiatives**. In addition to the Resources Agency, other state agencies such as the State Water Board, Department of Fish and Wildlife, CalEPA, Governor's Office of Planning and Research, Strategic Growth Council, and the ten public conservancies, should likewise support and incorporate IRWM into their existing and future programs.

   Support for IRWM would look like:

   - Including support for IRWM in DWR's Strategic Plan.
   - Utilizing RWMGs for monitoring data needed to update the projections included in the quinquennial California Water Plan.
   - Reinstating DWR Regional Service Representatives (RSRs) assigned to specific geographic areas of the state. RSRs could provide technical support to such DWR programs as IRWM, SGMA, Water Use Efficiency, Flood Management, and Environmental Services.
   - Providing funding to maintain adequate staffing in the DWR Financial Assistance Branch to provide support for and enhance communications with IRWM regions.

b) State leadership should designate IRWM as the framework to implement Water Resilience Portfolio Recommendations and other requirements.
Governor Gavin Newsom's Water Resilience Portfolio embodies priorities such as concentrating on multi-benefit approaches and encouraging regional collaboration among water users within a watershed. IRWM regions can - and in some cases already do - provide a forum to collaboratively engage all water-related stakeholder processes including SGMA. The IRWM Program should be the major venue for local agencies to develop and pursue priority regional projects that are generated through the Water Resilience Portfolio. State water resource-related grants that intersect with the goal statements in the final Water Resilience Portfolio should be solicited through the IRWM regions as is done currently with IRWM Implementation and Disadvantaged Community-related grants. This will ensure that local agencies are engaged in the process, projects with multiple and regional benefits are selected, and water-related grant applications from the various State agencies are consistent with local priorities.

c) **DWR should fund implementation of the Water Sustainability Atlas to identify the best practices of regionally developed and supported multi-benefit projects.** Practitioners may look to the Atlas for examples of successful IRWM efforts; State agencies may use the compiled data when assessing the accomplishments of the programs it funds as well as identifying future project and funding needs to meet resiliency goals.

d) **DWR should work with the Roundtable of Regions to prioritize and implement the four strategies and 71 related recommendations that are grouped in the Stakeholder Perspectives document under the categories of: Improve Alignment; Strengthen Practices; Improve Services; and Communicate Values.** The Stakeholder Perspectives document details a vision for IRWM that serves as a strategic plan; a roadmap to making the vision a reality.

Some of these recommendations are:

- Expand engagement with disadvantaged and other under-represented and under-served communities.
- Expand Tribal participation by providing funding to Tribes to support participation in IRWM planning and implementation.
- Provide adequate funding and staff to fully implement the Water Sustainability Atlas.
- Align water grant programs and standardize grant applications within all DWR programs at a minimum, and eventually across all state agencies.
- Form a Stakeholder Advisory Committee to advise DWR on Integrated Regional Water Management issues.
- Prioritize innovative projects as well as support programs focused on education and outreach when creating future guidelines for IRWM funding.
- When drafting funding allocations for future IRWM grant programs, incentivize inter-regional partnerships that encompass entire watersheds.

2. Utilize Existing IRWM Regions for Water Resilience Planning

The existing IRWM regions should be the preferred option or at a minimum referenced as an acceptable region for integrating water and water-related natural resource management to promote climate resilience. IRWM regions have been playing a significant role in regional management for almost two decades. Utilizing these established regions would minimize "start-up" time to achieve the Governor's priorities of more reliable water supplies, improved water quality, climate adaptation, and restored and enhanced ecosystems.

a) **Incorporate language (see Figure 1) into climate resilience legislation, future bond(s), and associated state policies supporting the designation of existing IRWM Region boundaries as accepted "regions" for broad water resource planning.** IRWM Regions would adapt planning frameworks and governance structures to reflect a wider diversity of resource management objectives (e.g., forest management, wildfire protection).

b) **Develop a multi-agency, multi-organization process for evaluating and approving regions with expanded responsibilities, similar to DWR's current process for acceptance of DWR regions but reflective of the broader scope of regional planning required to meet the needs expressed by current state initiatives**. This "Climate Resilience Regional Acceptance Panel" would provide central leadership and resolve institutional overlap, operational constraints, interagency conflicts, competing agency priorities and mis-aligned regulations that could impact regional efforts.

3. Sustained Funding Mechanisms to Support Local and Regional Water Resiliency (IRWM) are Necessary

a) **Maintain IRWM project implementation and disadvantaged community and Tribal involvement (DACTI) planning and implementation funding at levels established in**

Proposition 1 (2014) preferably through the state budget to minimize future bond indebtedness. Ongoing funding is needed regardless of whether or not IRWM's role is expanded.

b) **Provide planning funding so that regions may update their plans based on the guidance from the "Climate Resilience Regional Acceptance Panel" described above, preferably through the state budget to minimize future bond indebtedness.** Plans would focus on water and other natural resource management; building climate resilience, equity and inclusion; achieving the human right to water objective; and drought preparedness. Planning support should extend to multi-benefit, projects for development, design and engagement with stakeholders.

c) Direct DWR and the State Water Board to coordinate DACI and SAFER program solicitations to best reach disadvantaged and other under-served communities. The Human Right to Water declaration mandates that State agencies work together to provide safe, clean water across the state, including to Tribal lands.

Figure 1: Recommended IRWM Support Funding to Meet State Resiliency Goals

Funding Source	IRWM Resource Need Category	Funding Type	Funding Level	Periodicity
Bond Initiative	IRWM Implementation Funding (Project Portfolios)	Competitive Grant	$510 M	Bond cycle
Bond Initiative or State Budget	Project and IRWM Planning	Non-Competitive Grant	$50 M	Bond cycle
State Budget	IRWM Coordination & Operation (Collaboration)	Base Level	$12 M *	Annual
State Budget	Technical Assistance	Base Level	$0.5 M	Annual

* Would allow for up to $250,000 annually to support the practice and day to day operation of IRWM in each region, as recommended in Action 1.1 of the 2018 Water Plan Update and in Strategy 2 of *Stakeholder Perspectives: Recommendations for Sustaining and Strengthening Integrated Regional Water Management*

4. **The State should provide a regular source of funding to assist regions in achieving regional and state goals.** Eighty (80) percent of RWMGs report that lack of adequate, stable funding would likely cause them to return to a more siloed approach, focusing on individual and often competing programs. Ongoing or "Baseline" funding would support a Coordinator, continued effective outreach to and engagement of stakeholders, and operational costs to manage the IRWM Program in each region – all of which will ensure the continued success of

the practice of IRWM. This investment in regional water management is an ongoing need and a priority.

To provide base level funding, the State should implement 2018 Water Plan Recommended Action 1.1 — *Strengthen State Support for Integrated Regional Water Management and Vulnerable Communities. The State should provide base-level support to help long-term stability of key operations of integrated regional water management and sustainable groundwater programs*[1]. Base level funding was also recommended in the Stakeholder Perspectives document under Strategy 2: Support for Regional Capacity.

5. **Future funding legislation or state budget should allocate additional funding for technical assistance for Tribes, disadvantaged and other under-served communities, and for small water systems that lack the capacity to develop a project that is a good candidate to receive grant funding.** The DACTI Program has been very successful, but it has limited funding compared to the need. Some communities have projects that are very important but are not "shovel-ready"; they lack the resources to make the project eligible for funding. Technical assistance can make these projects possible by paying for planning, initial studies, and CEQA permitting prior to an implementation grant offering.

6. **The State should consider block grants to regions instead of specific IRWM grants.** IRWM regions know best how to manage local resources and provide solutions to ensure climate resiliency. Block grants would streamline the grant process and provide more flexibility to individual regions.

7. **The State should explore the possibility of providing funding for operations and maintenance (O&M) and monitoring in implementation grants.** O&M is an ongoing expense that is required for the life of the project. DWR requires post-performance monitoring and reporting for three years after project completion. If the action is required, funding should be included in the grant. Support for O&M and required monitoring is particularly important for projects serving small water systems or disadvantaged communities. Grant application and local match requirements frequently stretch the project sponsor's financial means, leaving no funding to preserve the investment.

8. **If the Funding Area concept is used in future grant programs, the State should review and potentially revise the boundaries used in past grant programs.** The current Funding Areas, created in voter-approved bond measures, have caused several IRWM regions and Tribes to straddle multiple funding areas. While residing in two or more funding areas potentially provides access to multiple funding sources, it also doubles the work to support multiple grant applications. The size of some of the funding areas should be reviewed to ensure grouping of related watersheds and geography. Any changes to the funding area boundaries must be done in consultation with those affected.

[1] California Water Plan 2018 Update, page 3-2. https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/California-Water-Plan/Docs/Update2018/Final/California-Water-Plan-Update-2018.pdf

Recommendations for the Roundtable of Regions

1. **The Roundtable should continue to work with DWR to expand the pilot Sustainability Assessments included in the CA Water Plan to establish qualitative and quantitative metrics to measure the success of IRWM statewide as well as in individual regions.**
   There are few metrics to determine if the IRWM Program has achieved the goals established by the Legislature. DWR has compiled a list of amounts of money each region received as well as the name of each of the projects funded by IRWM. The missing piece of information is: did the project achieve the expected results and realize the anticipated benefits.

2. **The Roundtable should continue to support its members by sharing best practices information and by promoting the practice of IRWM.**
   Specific steps include the implementation of the Roundtable's Business Plan with such activities as:
   - An awareness campaign regarding IRWM targeted at local, regional and state elected officials.
   - In collaboration with DWR, provide an orientation to acquaint new members with the Roundtable's work and ensure shared understanding of the best practices of IRWM.
   - Inn collaboration with DWR, establish a mentorship program to assure that new Coordinators are successful in sustaining and reenergizing their region. This could also include development of guidance materials in addition to one-on-one mentorships.

3. **The Roundtable should create an online repository to share tools that regions have created.**
   Some regions have developed specific tools including data and water yield models, GIS layers and other technical solutions. Others have partnered to develop programs such as the well vulnerability program. For the most part, they are willing to share but lack the means to readily do so.

Recommendations for Individual IRWM Regions

1. **The IRWM RWMGs and/or broader IRWM stakeholder groups should consider serving as a forum for multiple types of water management programs within their regions.**
   Regions that view themselves as the most successful and most likely to continue absent future state funding reportedly serve as forums for collaboration on a broad range of water management initiatives and programs. Since many of the programs include the same or overlapping stakeholder interests, IRWM region stakeholder groups can become an efficient

focal point for addressing surface water, drinking water, groundwater, stormwater, recycled water, and other conjunctive use programs as well as other water-related issues including forest health and climate resilience. To accomplish this, existing RWMGs should consider engaging representatives from the various water management programs listed above as well as NGOs and other interested parties which would also help eliminate duplication of effort through enhanced coordination.

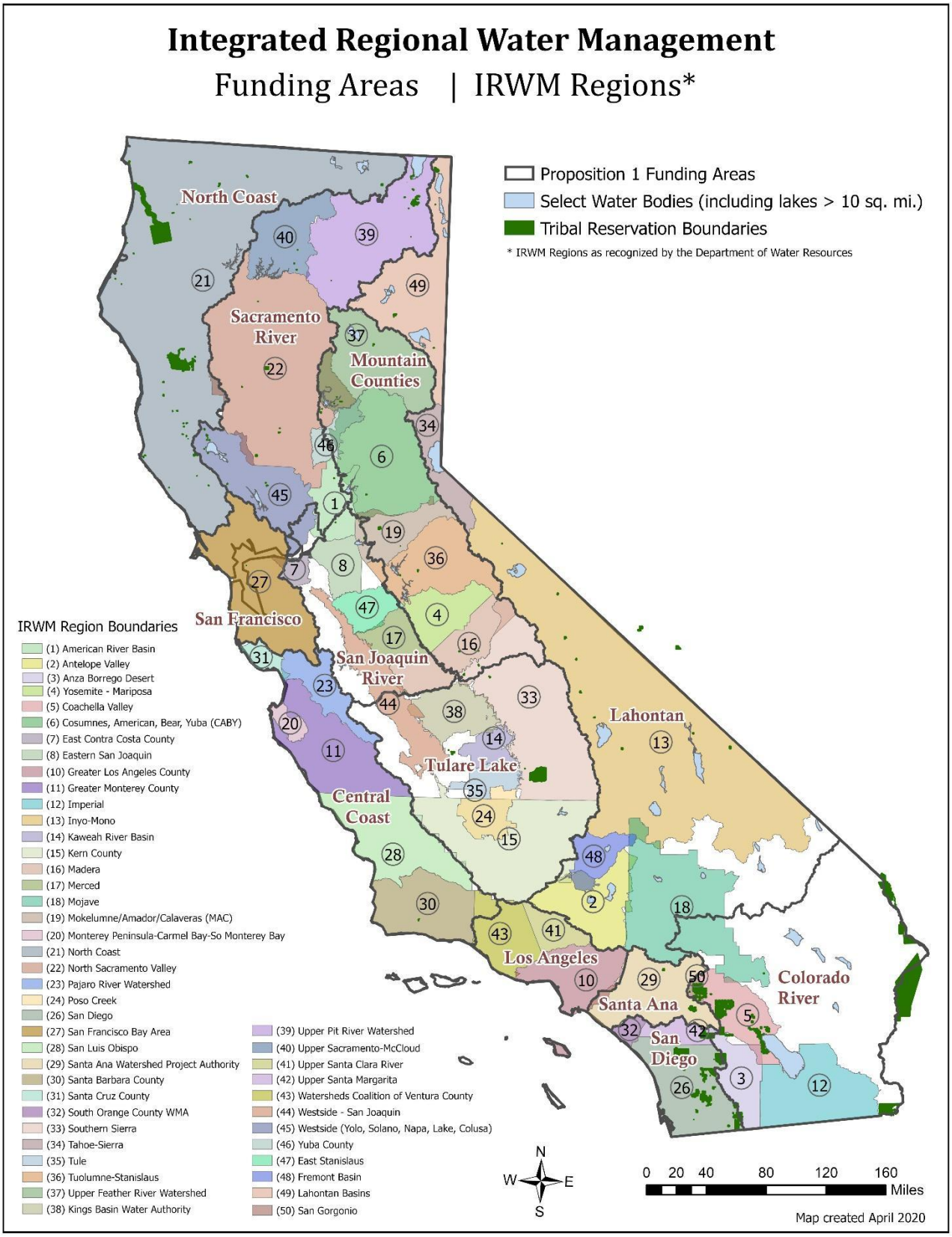
2. **Each region should continue to look for creative funding solutions for implementing integrated, multi-benefit water management projects, beyond state grant programs – and continue to support Tribes and DACs.**
   Each Region could establish a mechanism to review new and existing projects and suggest possible mechanisms such as local, State, Federal, and private funding sources. Matching projects to any grant opportunities, then bringing project proponents together would streamline the funding process. There is a lot of money available in the private sector through corporations and philanthropy. Regions self-reporting to be extremely successful observed that having a process devoted to seeking diverse funding for projects expands the funding opportunities and results in more projects being implemented.

3. **IRWM decision-making bodies (such as the RWMGs) should recruit non-agency representatives to join them, thus facilitation more diverse participation in the governance of a region.**
   Though the California Water Code defines "Regional water management groups" as "a group in which three or more local agencies, at least two of which have statutory authority over water supply or water management, as well as those other persons who may be necessary for the development and implementation of a plan that meets the requirements in Sections 10540 and 10541, participate by means of a joint powers agreement, memorandum of understanding, or other written agreement, as appropriate, that is approved by the governing bodies of those local agencies,"[2] this is not meant to limit the composition of IRWM decision-making groups. Successful IRWM Regions tend to have broader representation and engagement than the definition provided in the Water Code.

   Most regions report their RWMG consists of five members; in many cases, membership comprises only public agencies. To give diverse stakeholders greater opportunities to direct the future of their region, RWMGs should encourage representatives from Tribes, and other under-served communities, non-profits, environmental groups, academia and other interested parties to serve on the management group or in advisory/steering committees to the RWMG for their region. There is likely to be more regional support of IRWM when the governance structure includes more stakeholders.

[2] https://california.public.law/codes/ca_water_code_section_10539

Figure 2: State Map of Integrated Regional Water Management Regions



APPENDIX A

ACWA IRWM Policy Principles

The Association of California Water Agencies (ACWA) recognizes the value of Integrated Regional Water Management as an efficient model for water management planning. ACWA has adopted the following IRWM Policy Principles[3]:

1. **Water resources are best managed by local jurisdictions to effectively and efficiently manage water quality and supplies.** ACWA supports IRWM as a tool to assist local water agencies in solving short and long-term water management challenges through an integrated planning approach.
2. **IRWM integrates planning across water management sectors, including water supply, water quality, flood management, stormwater, and habitat restoration to achieve regional goals and objectives.** Integrated planning results in multi-benefit projects developed in a time- and cost-efficient manner.
3. **Local and regional scale planning through IRWM is integral to California's comprehensive water management planning**, providing a foundation for the state to achieve its coequal goals of improved water supply reliability and enhanced ecosystem health in an era of climate change.
4. **IRWM is a hub for diverse stakeholder engagement at the regional scale.** The collaborative partnerships attained through IRWM result in improved water management planning and project development, reducing potential conflicts, and forming regional leadership.
5. **ACWA supports the continued use of IRWM governance structures, known as Regional Water Management Groups (RWMGs), to build on the well-established, inclusive stakeholder outreach and facilitation efforts through IRWM**. RWMG stakeholder processes result in the balance of diverse interests within a region.
6. **RWMGs organize transparent processes that encourage the involvement of and input from underserved and disadvantaged communities (DACs), Tribes, environmental and non-governmental organizations (NGOs), and interested stakeholders into local water resources decision-making, planning and management.** ACWA supports the role of RWMGs in working with DACs, Tribes, academia and NGOs.
7. **IRWM is a voluntary program that can help achieve regulatory compliance through project development and implementation.** State or federal entities should streamline permit processes or allow flexibility on the development of regulatory requirements for projects supported by IRWM. Such regulatory alignment supports efficient, integrated water resource management.
8. **Projects developed and funded through IRWM result in measurable benefits for local and regional entities.** Benefits and regional data for these projects are recommended to be

[3] https://www.acwa.com/resources/integrated-regional-water-management-policy-principles/

integrated with statewide water resource management efforts for accountability, stewardship and transparency purposes, where applicable.

9. **Streamlined administrative practices are essential for continued success of IRWM.** The Department of Water Resources, other state and federal funding agencies, and RWMGs must partner, analyze and improve the efficiency and consistency of current grant administration and plan review practices.
10. **Successful implementation of IRWM throughout California will require continued federal, state, regional, local and private investments.** ACWA further supports increased funding for IRWM and encourages funding entities to align funding criteria and cycles to encourage IRWM participation.
11. **ACWA encourages RWMGs to leverage multiple funding sources of different types and purposes, including but not limited to funding from federal, state, local, public, and private sources.** The development of diverse funding portfolios at the regional scale strengthens the ability for local entities to continue to develop integrated, multi-benefit solutions.
12. **ACWA will continue to coordinate on IRWM with interested entities and encourages other statewide associations, local and regional entities, interest groups and the state to educate and collaboratively advocate regarding why IRWM enhances water resource planning and project development efforts statewide.**

ITEM NO. 4

Upper Feather River
Integrated Regional Water Management

Regional Water Management Group Meeting
March 11, 2022

To: Upper Feather River Regional Water Management Group

From: Uma Hinman, Hinman & Associates Consulting

Subject: Disadvantaged Community and Tribal Involvement Project

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DISCUSSION

a. Sierra Institute's Community Well-Being & and Water and Wastewater Needs Assessments for the Upper Feather River and the Mountain Counties Funding Area

A major deliverable of the Proposition 1 DACI Involvement Grant Project, which is being implemented by Sierra Institute has completed the following major deliverables of the grant: *Community Well-Being & Water and Wastewater Needs Assessments for Upper Feather River IRWM*, and the *Disadvantaged Community Involvement Program Community Well-Being & Waters and Wastewater Needs Assessment for the Mountain Counties Funding Area*.

It is suggested that the recommendations contained in the Assessment be a future topic for the RWMG to discuss and consider, as well as how best to incorporate measures to address the identified needs in the region.

b. DACTI Technical Assistance Grant

In 2020, under a Technical Assistance grant through the Mountain Counties Funding Area Disadvantaged Community and Tribal Involvement (DACTI) Project, the Upper Feather River (UFR) Integrated Regional Water Management Group (RWMG) selected Plumas County to implement the Water Shortage Preparedness and Contingency Planning Pilot Project (Pilot Project) to develop drought planning for small water system providers in the UFR Integrated Regional Water Management (IRWM) Region. The Pilot Project approach will create a model for the integration and application of drought contingency planning to guide and prioritizing drought resiliency projects for the UFR region's most vulnerable DAC and Tribal groundwater dependent communities.

The goal of the Project is to develop water shortage preparedness, needs assessment and contingency planning strategies for the most vulnerable water systems and DACTI communities in the UFR IRWM Region. The preparedness and planning efforts assess water infrastructure related needs including upgrades; consolidation barriers and opportunities; vulnerability characteristics; management capacity gaps; and other common financial, administrative, legal support, and technical assistance capacity needs

affecting water supply and quality with outcomes that begin to address project identification and prioritization.

The objective of the small water systems Pilot Project for DAC communities and Tribes relying on groundwater wells or springs for sustainable water planning is to addressing water infrastructure related needs including water system upgrades or deferred maintenance issues, consolidation barriers and opportunities, study well vulnerability characteristics, water quality issues including contamination, and water shortages.

The idea of developing water shortage preparedness and contingency planning, including consolidation opportunities and identification of well vulnerabilities to address the various stages of a drought or a prolonged water shortage is necessary, but beyond the current independent capacity of small water service providers to complete. Creating contingency planning for the smallest and most vulnerable systems is critical and this Pilot Project aims to accomplish a Plumas County system-wide level assessment with outcomes to support local planning and preparedness for other UFR region small water systems.

Work was coordinated by the Plumas County Planning and Environmental Health Departments in consultation with Plumas County GIS. The Project will be shared with Butte, Lassen and Sierra Counties Environmental Health Departments and Tribal representatives in the region. The objective is for lessons learned from a pilot effort focused in Plumas to strengthen requests for CDAG planning funds by the UFR IRWM counties of Butte, Lassen, and Sierra.

As part of the Pilot Project, a small systems fact sheet has been developed and will be made available to all municipal water providers in the UFR through the IRWM list serve, meetings with potential water system consolidation partners will be conducted, and Project briefings will occur at UFR IRWM RWMG and/or county meetings. The Communications Plan outlines the means for disseminating the methodology and results of the Pilot Project with municipal water providers of DAC/Tribal communities in the UFR IRWM Region portions of Lassen, Sierra, or Butte counties.

Municipal water providers in the UFR region will be able to utilize the water shortage preparedness and contingency planning Plumas County pilot efforts to develop water shortage contingency plans for their own agencies and identify projects to address drought vulnerabilities with the intent of using the information to leverage state and federal funding as it becomes available to address the needs.

The Fact Sheet will be distributed to the RWMG by email in the following week.

c. Proposition 1 DACTI Drought Funding DAC Set Aside

In late 2021, DWR announced an infusion of additional funds through the Proposition 1 DAC Involvement Program DACTI Drought Funding DAC Set Aside. The funds are being distributed through the current Grantee (Sierra Institute) for the Mountain Counties Funding Area DACT Involvement Grant. In accordance with the agreements in place among the Mountain Counties Funding Area IRWM Regions, the funds are being distributed equally among the nine regions in a non-competitive award. As the current DACTI Technical Assistance Local Project Sponsor for the Upper Feather River Region, Plumas County will be responsible for distributing the Drought Set Aside funds of $525,000.

Plumas County is also the Grantee for the Proposition 1 Round 1 DAC Implementation Funding and is implementing two projects that were included in the Upper Feather River Plan: Sierraville Public Utilities District's Alternative Water Source Development and Indian Valley Community Services District Water Storage Tank projects.

Due to the high inflationary costs grant award and implementation of the project, Sierraville PUD is in need of additional funds to complete their project. While Indian Valley CSD is in the same situation, the Dixie Fire's destruction of much of the district's infrastructure is necessitating a review of priorities and will likely result in reprogramming their grant award. Since the Sierraville PUD project is well underway and is ready to begin construction this summer, Plumas County has allocated all but a 5% grant administration amount to close the funding gap for the project.

The application has been submitted to Sierra Institute and Plumas County is awaiting the next steps in Sierra Institute's process to DWR.

With the allocation of this funding source to Sierraville PUD, it is recommended that the Proposition 1 Round 2 funding be allocated to Indian Valley CSD to assist with their costs.

STAFF RECOMMENDATIONS

Informational.

ITEM NO. 5

Upper Feather River
Integrated Regional Water Management

Regional Water Management Group Meeting
March 11, 2022

To: Upper Feather River Regional Water Management Group

From: Uma Hinman, Coordinator

Subject: Upper Feather River Region's Prop 1 IRWM Implementation Round 1 Grant

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INTRODUCTION

Under a Memorandum of Commitment, nine regions making up the Mountain Counties Funding Area agreed to a non-competitive equal split of Proposition 1 IRWM Grant funds (Table 1). Regions were given the option of submitted for a portion or all of the Round 1 and 2 funding within the first Round.

Table 1. MCFA Prop 1 IRWM Implementation Grand Funding Allocation per IRWM Region

Prop 1 IRWM Grant	DAC/Tribe Implementation ($)	General Implementation ($)	Total Implementation Funding ($)
Round 1	50,555.55	500,894.11	551,449.66
Round 2	93,888.88	500,894.11	594,782.99
Total	**144,444.43**	**1,001,788.22**	**1,146,232.65**

The Upper Feather River (UFR) RWMG selected the Sierraville Public Utilities District's Alternative Water Source and Indian Valley Community Services District's Water Storage Tank projects for the funding opportunity. Plumas County is the Grantee for the Upper Feather River Region projects and implemented the Funding Agreement in April 2021. The grant award is for nearly all of Round 1 and Round 2 allocations (Table 2).

Table 2. Summary of UFR Region's Prop 1 IRWM Implementation Round 1 Projects

Project	Local Project Sponsor	Award
Grant Administration	Plumas County	$70,876
Project 2 Alternative Water Source	Sierraville Public Utilities District	627,660
Project 3 Community/Emergency Water Storage Tank	Indian Valley Community Services District	304,000
	Total	**$1,002,536**

The Prop 1 Round 1 Grant allowed Grantees to request up to 50% of the grant award upfront (Advance Payment Request), which Plumas County did on behalf of the LPS. The Advance Payment request was

granted and Plumas County holds the funds in a non-interest-bearing account for distribution to the LPS upon invoices.

Plumas County has submitted three invoices and progress reports and is in the process of submitting the fourth invoice and first Accountability Report for the Advance Payment funds.

STAFF RECOMMENDATIONS

Informational.

ITEM NO. 6

Upper Feather River
Integrated Regional Water Management

Regional Water Management Group Meeting
March 11, 2022

To: Upper Feather River Regional Water Management Group

From: Uma Hinman, Coordinator

Subject: Upper Feather River Region's Prop 1 Round 2 IRWM Implementation Grant

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INTRODUCTION

Under a Memorandum of Commitment, nine regions making up the Mountain Counties Funding Area agreed to a non-competitive equal split of Prop 1 IRWM funds (Table 1). Regions were given the option of submitted for a portion or all of the Round 1 and 2 funding within the first Round.

Table 1. Upper Feather River Region Prop 1 IRWM Implementation Grand Funding Allocation

Prop 1 IRWM Grant	Total Implementation Funding ($)
Round 1	1,002,536
Round 2	143,697
Total Allocation	**1,146,233**

The Upper Feather River (UFR) RWMG selected the Sierraville Public Utilities District's Alternative Water Source and Indian Valley Community Services District's Water Storage Tank projects for the funding opportunity. Plumas County is the Grantee for the Upper Feather River Region projects and implemented the Funding Agreement in April 2021. The grant award is for nearly all of Round 1 and Round 2 allocations (Table 2).

Table 2. Summary of Funding Sources for UFR Region's Prop 1 IRWM Implementation Projects

Project	Local Project Sponsor	Prop 1 Round 1 Award ($)	DACTI Drought Funding DAC Set Aside ($)	Prop 1 Round 2 Proposed ($)
Grant Administration	Plumas County	70,876	26,250	14,370
Project 2 Alternative Water Source	Sierraville PUD	627,660	498,750	0
Project 3 Community/Emergency Water Storage Tank	Indian Valley CSD	304,000	0	129,327
	Total	**1,002,536**	**525,000**	**143,697**

With the allocation of Proposition 1 DAC Involvement Program DACTI Drought Funding DAC Set Aside to Sierraville PUD, it is recommended that the Prop 1 Round 2 funding be allocated to Indian Valley CSD to support their project costs. The Dixie Fire's destruction of much of the district's infrastructure is necessitating a review of priorities and will likely result in reprogramming their grant award; these funds will support the substantial infrastructure needs of the district.

STAFF RECOMMENDATIONS

Discussion and direction to staff.

ITEM NO. 7

Upper Feather River
Integrated Regional Water Management

Regional Water Management Group Meeting
March 11, 2022

To: Upper Feather River Regional Water Management Group

From: Uma Hinman, Hinman & Associates Consulting

Subject: IRWM Plan Implementation Project Updates

STAFF RECOMMENDATION

1) Adopt attached resolution approving the three new project submittals as implementation projects for the Upper Feather River IRWM Plan, and direct staff to update the 2022 Upper Feather River IRWM Plan project list accordingly; OR
2) Provide additional direction to staff

DISCUSSION

a. Updated Implementation Project List

In June 2021, staff administered a project status survey to project sponsors with the purpose of updating the Implementation Project List and preparing for the next round of IRWM grant funding. Project sponsors were asked to verify their contact information and project status by June 30, 2021. Project status surveys and updated contact information were accepted and recorded beyond the June 30th deadline. Outreach efforts were made to the project contacts for all ninety projects. However, outreach was only successfully made to eighty-three projects because seven projects were unable to be reached by email and telephone.

Outreach to project sponsors had varying results. Out of 83 projects, 49 projects returned a response, with responses varying between completed surveys, confirmed contact information, or both. Staff recorded no response from 34 projects. Staff received completed surveys and updated contact information from 33 projects. Fourteen projects did not complete a survey but updated their contact information. Two projects did not complete a survey but updated their contact information and provided project information. Staff identified the following from the surveys and provided project information:

- Ready for funding: 23
- Conceptual Only: 3
- Received funding and were removed from the Implementation Project List: 6
- Reported no longer looking to pursue funding and was removed from the Implementation Project List: 1

Seven projects were removed from the Implementation Project List (MS-2, MS-6, MS-38, MS-40, MS-41, MS-47, and UF-18). Projects with no response remain on the Implementation Project List. These outreach results helped inform the updated Implementation Project List included as Attachment 1.

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 at the following RWMG meeting, provided support funding remains available.

b. Consideration of new Sierra County Waterworks District 1 projects for inclusion in the IRWM Plan

Since the July 2019 RWMG meeting, three new applications were submitted 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.

The Sierra County Waterworks District 1 serves the Sierra County community of Calpine, which is identified as a severely disadvantaged community (DAC).

1. MS-49: New 140,000-Gallon Storage Tank

Summary: A new 140,000-gallon tank is necessary to provide the community with sufficient fire flow. Four houses in Calpine have burned down due to a lack of firefighting water. Planning preparations have all been made and construction is scheduled for 2022. The District would like to install a welded tank, but if insufficient funds are available, it will construct a bolted steel tank. The project will be bid consistent with public contracting requirements.

Project Type	Total Cost	Funding Request	Project Status	Needs
Reduce potential for structural fire Water resources and wastewater needs of DACs, Climate Change, Water efficiency and reliability of water supply	$625,000	$125,000	Shovel-ready	Adoption of IRWM Plan

2. MS-50: New Groundwater Well and Treatment Facility

Summary: The purpose and goal of this project is to construct and equip a new groundwater well at the site of a completed test well and pipe water to the treatment facility. This system includes a treatment facility to remove arsenic.

Project Type	Total Cost	Funding Request	Project Status	Needs
Water supply, water quality, wastewater, DACs, Climate Change, water infrastructure	$2,200,000	$2,200,000	Shovel-ready	Adoption of IRWM Plan

3. MS-51: Well 1 Treatment Facilities

Summary: Well 1 is an older well that is very close to exceeding the allowable level of arsenic in drinking water. The level of arsenic has been trending upwards in recent years and it is anticipated that levels of arsenic will be out of compliance with State law in the near future. This project would provide treatment facilities to ensure safe drinking water to the community of Calpine.

Project Type	Total Cost	Funding Request	Project Status	Needs
Water Infrastructure, water efficiency, reliability of water supply	$200,000	$200,000	Conceptual Only	Adoption of IRWM Plan

Attachments:
1. Updated IRWM Plan Implementation Project List
2. Project MW-49 140,000 Gallon Storage Tank
3. Project MW-50 Groundwater Well and Treatment Facilities
4. Project MW-51 Well 1 Treatment Facility
5. Draft Resolution approving inclusion of the three projects

Attachment 1

Upper Feather River IRWM - Implementation Project UPDATE (March 2022)

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Upper Feather River IRWM - Implementation Project UPDATE (March 2022)

Project Number	Project Name	Sponsor/ Agency	Summary of Project Description	Project Type	Benefits a DAC	Drought Benefit	Climate Vulner-ability Benefit	Regional Project	Estimated Budget
Agricultural Land Stewardship (ALS) Projects									
ALS-1	Taylorsville Mill Race Dam resurfacing	Feather River Resource Conservation District	The Taylorsville Mill Race Dam represents a major irrigation diversion structure for the Indian Valley region, and is critical to the irrigation of approximately 3,000 acres. Ensuring its long-term viability through this resurfacing project will be critical to efficient water usage associated with this water right. *Ongoing drought planning for ag operations within Indian Valley *responding to perceived changes in water supply due to climate change *improve the largest economic driver in the region. In addition to supporting the irrigation on approximately nine family-owned livestock and hay operations in Indian Valley, the Taylorsville Mill Race represents an important historical structure within the valley. The associated ditch system provides for a source of conjunctive water management for ranching and farming operations that utilize both ground and surface water. Additionally, the ditch system provides important wildlife habitat, as well as flood control for the valley during periods of excessive precipitation.	Water infrastructure, Groundwater, Drought, Restoration		X	X		$150,000
ALS-2	Water quality and infrastructure upgrades on working lands	Feather River Resource Conservation District	The project will identify opportunities to improve water quality, reduce erosion and sedimentation and increase water use efficiency in the region. The Feather River Resource Conservation District (FRRCD) will work in partnership with the Sierra Valley Resource Conservation District (SVRCD) and other organizations in order to connect with	Water infrastructure, Restoration		X	X	X	$1,567,500

KEY: **Blue** – Ready for Funding **Gray** – Conceptual Only **White** – No Project Status Update

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			landowners in the project area to install infrastructure to protect and enhance riparian areas, to monitor and improve water quality and to better utilize water supplies in the Upper Feather River watershed.						
ALS-3	Enhanced management of livestock grazing	Feather River and Sierra Valley Resource Conservation Districts	This project will provide cost-sharing assistance to augment individual landowner efforts, and collaborative programs already being instituted by other existing organizations, including the Upper Feather River Watershed Group, to further the goals of improving water quality and supply in the Upper Feather River Watershed, while improving land stewardship on working landscapes. *Technical assistance and training workshops to develop soil and water quality/conservation management plans for individual operations that defines UFRW commodity-specific water quality management practices, and potentially meets requirements set forth in the Irrigated Lands Regulatory Program (IRLP) to develop Farm Evaluations for water quality management practices, Sediment and Erosion Assessment Reports and Management Plans, Nitrogen Management Plans, as well as Management Practice Verification *Baseline documentation of existing conditions on working landscapes in the region to identify most critical practices *Management practices to improve soil health *Fencing to support specific grazing management plans to improve and increase forages, soil health and water quality *Infrastructure to increase irrigation	Water Infrastructure, Groundwater		X	X	X	$1,500,000

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			efficiency and water conservation *Soil moisture monitoring technical assistance *Land leveling and forage development.						
ALS-4	Invasive weed management	Plumas Sierra Counties Department of Ag	This multi-year project would support the cohesive strategy of the Plumas-Sierra Ag Department and the Sierra Valley RCD to protect waterways, croplands, timber lands, riparian and wetlands, and recreation areas from the spread of destructive and invasive noxious weeds. Invasive noxious weeds undermine biological diversity, disrupt natural vegetative systems and degrade agricultural lands and regional waterways which can contribute to soil erosion and degradation of water quality. Collaboration between local, regional and national organizations has taken place over the past 14 years. The Sierra Nevada Conservancy as well as both Plumas and Sierra RACs are past and current partners in this effort to enhance watershed health by controlling and eradicating invasive weed species. This project will ensure continuation of the successful weed management program in the UFR.	Water Use Efficiency, Drought, Invasive Species Management, Climate Change		X	X	X	$450,000+
Note for ALS-4: Receiving funding through 2023, but wishes to remain on the Plan.									
ALS-6	Sierra Valley agricultural water diversion efficiency and improvements	Sierra Valley Resource Conservation District	The proposed project is a feasibility study in support of mechanism for conduit to be installed from the diversion dam for approximately 2.5 miles to significantly increase agricultural water use efficiency and to restore the watercourse ecosystem from Little Truckee Summit to Onion Valley. This project will significantly reduce water loss from	Water Infrastructure, Drought, Restoration		X	X		$150,000

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			the conveyance channel due to seepage and remove significant erosive conditions and sediment loading that is evident along the route of the diversion ditch into Sierra Valley. This project will prevent further scouring and deepening of the channel that is presently over fifteen (15) feet in depth to the watercourse; stop erosion and sedimentation that is annually contributing to a significant impact into the downstream ecosystem and meadows; and make significant contributions to improving water quality.						
ALS-7	Sierra Valley Resource Conservation District Resource Management Plan	Sierra Valley Resource Conservation District	The proposed project will result in a "Resource Management Plan" for the Sierra Valley Resource Conservation District. The plan will include the district organizational information, financial information, district services contemplated, a funding component, project review guidelines, education and outreach programs, process for plan updating, and a process for adopting and updating priorities for the many chapters of the plan that define the role and interests of the Resource Conservation District including but not limited to regulatory issues (GRAP, Irrigated Lands, etc.) agriculture incentives and improving productivity, drought, water conservation and water supply, forest health and fire issues, land assessment, invasive species, soil conservation, fish and wildlife and habitat, conservation easements, recreation, wetland conservation, agricultural work plans, preservation of working landscapes,	Municipal, Drought, Restoration	X	X	X	X	$155,000

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			coordination with agencies, and other like subjects.						
ALS-8	Upper Feather River weather monitoring infrastructure	Feather River Resource Conservation District	This project will establish a weather station in each valley area that will provide real-time internet-accessible temperature, precipitation, humidity, soil moisture, wind speed, and solar radiation information to ranchers, water masters and municipalities.	Drought		X	X	X	$380,200
ALS-9	Soil health assessment	University of California Cooperative Extension	Further the understanding of the impacts of land, agriculture and livestock management practices on soil health and resultant soil-based ecosystem services, such as water regulation, sequestration of greenhouse gasses, vegetation productivity and other biogeochemical processes. *Establish baseline for soil health of ag lands / link with Soil Health Network. *Identify ecosystem processes to target for improvement. *Research effects of differing land management practices on targeted soil biogeochemical processes. *Region-wide outreach and education.	Drought, Restoration	X	X	X	X	$580,000-800,000

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ALS-10	Sierra Valley Groundwater Sustainability Plan	Sierra Valley Groundwater Management District	The Sierra Valley Groundwater Management District (SVGMD) is the state-identified Groundwater Sustainability Agency for the Sierra Valley Groundwater Basin, as defined in California's Sustainable Groundwater Management Act of 2014 and DWR's Bulletin 118. As such, SVGMD is tasked with the preparation of a 20-year horizon Groundwater Sustainability Plan (GSP) for this medium-priority basin. This project will involve contracting with a qualified consultant/consulting firm to complete the Sierra Valley Groundwater Sustainability Plan prior to the legislated deadline of January 31, 2022. CA DWR reports indicate declines in groundwater levels and artesian well production along the east and northeast side of the valley in addition to poor quality water in the west-central side of valley (boron, fluoride, arsenic, & sodium). SVGMD monitoring well reports show groundwater levels dropping in the Valley since the mid-1990s. Further, drought and climate change both indicate the need for a sustainable management plan.	Groundwater, Water Quality, Drought, Climate Change	X	X	X	X	$572,000
ALS-11	Cold stream ag & fire storage impoundment	Sierra Valley Resource Conservation District	Identify engineering and geotechnical findings, mapping and soil/water conditions, biological conditions, and issues of concern for the consideration of an earthen dam to optimize water resource allotment for peak irrigation	Water Infrastructure, Groundwater, Drought	X	X	X		$300,000

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			purposes. An earthen dam located in a feasible location within the Coldstream drainage south of Sierraville to store agricultural water, enabling better utilization and more efficient use of available supplies, provide flood control and water storage for fire suppression that is accessible, functional and reliable. Also included within the concept for consideration is a small hydroelectric plant.						
ALS-12	Alfalfa alternative	Sierra Valley Resource Conservation District/University of California Cooperative Extension	Investigate alternative production possibilities to existing alfalfa hay production and methods that maintain the agricultural heritage of the watershed without increasing risks to producer viability, community values and natural resources. Research of alternative appropriate crops and more efficient alfalfa irrigation methods. *Feasibility study. *Pilot testing, monitoring/measurement, reporting. The project will seek more water-efficient alfalfa hay production methods and/or alternatives to alfalfa production with lower water demands and minimal disruption to existing operations, as well as solid/equivalent returns.	Drought, Groundwater	X	X	X	X	$130,000
ALS-13	Little Last Chance Lake	Sierra Valley Groundwater Management District/Sierra Watershed Habitat Conservation Foundation	To restore and enhance 450 acres of wetland and sub-irrigated meadows back to how the land was before the creek was altered by the construction of Frenchman Dam. The overall project plan is to restore Little Last Chance Lake in Sierra Valley to a year-round water supply for wildlife and native vegetation, and to provide drinking water for wildlife and livestock. *Phase 1: feasibility study evaluating	Restoration, Drought, Groundwater	X	X	X		$265,000

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			the best source of water, securing landowner and other stakeholder MOUs, evaluating roadside pullouts, arts and recreation involvement *Phase 2: pump early-season supplemental water to the Little Last Chance Lake *Phase 3: Construct up to five new wetlands areas						
Floodplains, Meadows, and Waterbodies (FMW) Projects									
FMW-2	Water quality monitoring program for Lake Almanor and its tributaries	Lake Almanor Watershed Group	To expand and extend lake and streamflow monitoring program throughout the Feather River watershed, and provide central clearing house(s) where monitoring data can be assessed and maintained, and programs of interest and for educational purposes about the watershed can be developed, distributed, and maintained. To continue the sampling program at Lake Almanor.	Restoration				X	$120,000

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FMW-4	Wildlife enhancement project	Mountain Meadows Conservancy	The proposed project will construct approximately 8 miles of livestock fence at select sensitive areas along the shoreline of the Mountain Meadows Reservoir (MMR). The project will enhance wildlife habitat and improve water quality in the upper North Fork Feather River watershed. The proposal will complement the Mountain Meadows Fencing project that has also been submitted to the FRIRWM. This proposal will also fund the development of an annual monitoring program to assess the impact that the infrastructure has on wildlife in and around the MMR and the downstream effects on water quality in partnership with the Lake Almanor Watershed Group.	Restoration				X	$238,062
FMW-5	Upper Feather River Interpretive and Education Sites	Mountain Meadows Conservancy	The project will create two separate interpretive and educational sites in the Upper Feather River. It will increase awareness of the management of lands of the Upper Feather River and how those management actions are related to the delivery of water from the watershed to downstream water users. The sites will showcase adaptive management techniques that are being implemented in the region to ensure that downstream water users have reliable, high-quality water into the future. Management techniques include rangeland management, forest management, reservoir management, wastewater	Restoration, Forestry	X		X		$60,500

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			management, recreational management and wildlife management.						
FMW-6	Watershed monitoring program	Natural Resources Conservation District	To expand and extend existing streamflow monitoring Program throughout the Feather River watershed to include Lake Almanor basin and provide central clearing house where monitoring data can be assessed and maintained. This is primarily an implementation project lasting 3-5 years, but could go longer.	Municipal, Drought		X	X		$40,000
FMW-8	Spanish Creek restoration	County of Plumas	To improve the aquatic and riparian ecosystem of Spanish Creek and reduce erosion of its banks, reduce the amount of gravel entering American Valley by identifying the primary bedload source areas in the upper watershed, treating those source areas to reduce their output, identifying where gravels naturally deposit in American Valley and periodically remove the excess gravels without disturbing natural fluvial geomorphic development and processes.	Municipal, Restoration			X		$1,250,000
FMW-9	Watershed education	Plumas Unified School District	The Watercourse: Plumas to Pacific is an integrated, year-long course of study that uses the Feather River and its tributaries to teach concepts in life science, earth science, social studies, and mathematics. Building upon established elements of the sixth-grade curriculum, students examine the influences of mining, logging, ranching/farming in the region, as well as water uses for transportation, recreation, wildlife/fisheries, hydroelectric power, commerce, and municipal/domestic	Drought, Groundwater	X	X			$48,000

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			purposes. Plumas Corporation had successfully secured funding for the coordination of The Watercourse for the last 10 years.						
FMW-10	Lake Almanor Basin stewardship and outreach program	Lake Almanor Watershed Group/ Sierra Institute for Community and Environment	There is an imminent need for large-scale reductions in non-point sources of nutrient deposition into the Lake and widespread education on the role of residents and visitors in these issues. This project will build upon established community connections and previous research to engage the public in activities that increase understanding of human-mediate influences on water quality and invasive species in Lake Almanor, and develop action to reduce nutrient deposition into the Lake Almanor and the potential for invasive species introduction.	Restoration, Drought, Groundwater	X	X	X		$142,224
FMW-11	Lake Almanor Basin water quality improvement plan	Lake Almanor Watershed Group/ Sierra Institute for Community and Environment	Goal: Protect, maintain and improve water quality in the Lake Almanor Basin, by 1) exploring current practices used in other lake side communities to minimize impact of activity, 2) develop recommendations to address modification of current practices, and 3) develop and engineer plans for addressing identified problems.	Restoration, Drought	X	X	X		$510,000
FMW-14	Folchi Meadow project	U.S. Forest Service	Restore the meadow, stream and riparian ecosystems in the Folchi Sub Watershed of Carman Creek Watershed. The project is to remove railroad grade on the north side of the valley to reconnect ephemeral and intermittent drainages that have been disconnected by the rail road grade construction. Obliterate the	Restoration, Drought		X	X		$300,000

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			gully (existing channel) through approximately 1 mile of Folchi Valley using a combination of off-site material and locally generated (in channel) material to intermittently fill the existing channel. This will reconnect the stream with the historic channels on the meadow surface and the floodplain.						
FMW-15	Fish habitat assessment/ restoration, public awareness /education	Trout Unlimited	Bring forth the Feather River chapter of Tour Unlimited's (FRTU) priority projects through the following actions: 1) continue working with the USFS and Caltrans to expand the Interpretive Sign program that is currently being developed in the Storrie Fire area; 2) work with Plumas County Unified School District (PCUSD) to expand our regional Trout in the Classroom program; 3) further investigate and plan for a total renovation of the James Lee site in the Feather River Canyon; and 4) address fish passage on private and public lands by installing fish screens where willing landowners exist. Feather River Trout Unlimited is currently working on a Basin Wide Assessment in the Upper Feather River region that we feel will guide Trout Unlimited's Strategic Planning process beyond the four proposed projects identified in this submission.	Restoration, Drought		X	X	X	$180,000
FMW-16	Fish distribution modeling in relation to climate change	Trout Unlimited	This project will develop distribution models from fish species and temperature data for separate time periods, then comparisons made between periods for locations of upstream and	Restoration, Drought		X	X	X	$166,500

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			downstream distributional boundaries. The shift in fish species across boundaries will be evaluated using existing bioclimatic models. Current fish species presence or absence by stream will be determined with eDNA analysis. Once critical habitats (refugia) are identified, both land use and water use management can be directed toward restoration actions.						
FMW-18	Mountain Meadows livestock fencing	W.M. Beaty & Associates	The proposed project includes the installation of approximately 10 miles of fence in order to exclude livestock from active stream channels. The riparian fencing would be one component of a larger effort by participating landowners to restore the historic creek channels, improve pasture management, increase irrigation efficiency and improve forage conditions on lands within the project area.	Restoration	X		X		$174,600
FMW-19	Debris dam survey, inventory and characterization	Trout Unlimited	This project will locate and characterize all existing dams within the Upper Feather River watershed allowing for prioritization for removal. Former dam sites will also be cataloged, where available, and characterized as potential remediation projects depending on prioritization levels and residual impacts. Samples will be taken from the dam sites for contamination testing. Once identified, the prioritization list of existing and failed dam sites will be utilized to guide the remediation of these sites.	Restoration, Drought, Groundwater		X	X		$97,000
Municipal Services (MS) Projects									

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MS-1	Wastewater System Infrastructure Improvements	City of Portola	This proposed solution to correct the increased inflow/infiltration(I&I) to the City system is a discrete plan to reconstruct aged failing and failed sewer lines throughout the City as determined by existing video logs of the system. Maps on file at City Hall show where the reconstruction work is being proposed. Also on file are types of reconstruction with individual cost estimates, which includes; open trench, fold and form linings, and point repairs.	Municipal, Water Infrastructure, Groundwater	X	X	X		$1,424,522
MS-4	Water tank project	American Valley Community Services District	Replace the existing East Quincy Services District 800,000-gallon concrete tank with a steel tank of equal size. It is estimated that the project will reduce groundwater pumping by over 1 million gallons for any given year, to create a more reliable, drought-proof water supply.	Municipal, Water Infrastructure, Groundwater, Drought	X	X	X		$630,000
MS-7	High elevation water tank and well	Gold Mountain Community Services District	This project will increase the reliability and efficiency of the CSD's domestic water system, provide for a viable emergency water supply for structural firefighting and wild land fire suppression through much of the community's hydrant systems that currently rely on booster pump pressure, and conserve water, which is severely lost to the occurrence of leaks and pressure losses from booster pumps in the current pressurized system. Phase 1: Construction of a new water storage tank at an elevation of 5670' to ensure a positive supply of domestic water distributed via gravity flow to all locations in the service	Municipal, Water Infrastructure, Groundwater, Drought	X	X	X		$2,030,150

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			area. Phase 2: Drilling a high altitude well to service the new tank.						
MS-8	Water reclamation facility	Gold Mountain Community Services District	The CSD needs to install a modern Water Reclamation treatment and pumping facility to reclaim wastewater for irrigation at a golf course and to increase water reserves available to fight wildfires within the Gold Mountain CSD service area. Reclaiming treated effluent to the golf course will reduce the depletion of groundwater resources that are shared by the CSD and Golf Course operator; and improve the water quality of the effluent being discharged into the groundwater by the CSD. This project will significantly increase the quality of wastewater to the leach fields, as well as provide additional filtration of the treated wastewater effluent for reclaim to a golf course or use in firefighting in the area.	Municipal, Water Infrastructure, Groundwater, Drought	X	X	X		$1,758,000
MS-9	Crocker water service meters	Grizzly Lake Community Services District	Project will consist of replacing all the illegal service laterals to meet UPC and install new water meters. Additional fire hydrants will be added to meet NFPA standards to improve overall fire protection. Project will increase water conservation, ability to identify leaks and make system repairs to prevent water losses in the distribution system. Water use will be reduced by approximately 25 - 30 % per year.	Municipal, Water Infrastructure, Groundwater, Drought	X	X	X		$1,500,000
MS-10	Crocker Welch ground tank repair	Grizzly Lake Community Services District	This project includes repairing and bringing up to code the Crocker/Welch 211,000-gallon water tank. Project will retrofit the deteriorated water storage tank to provide a	Municipal, Water Infrastructure,	X	X	X		$200,000

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			reliable water supply to customers. The tank is rusting on the inside and needs to be made OSHA Compliant and meet NFPA and AWWA codes.	Groundwater, Drought					
MS-11	Delleker water meters	Grizzly Lake Community Services District	Project will consist of replacing mainline as needed. Estimate approx. 1000 lineal feet of mainline. Replace several service laterals and install approx. 400 radio read meters and computer software necessary to read the system. All related appurtenances (meter box, yoke, meters, misc. fittings) will also need to be replaced. System is approx. 50 - 60 years old and consists of asbestos cement service mains, most laterals are 3/4" soft roll copper configures so that one 3/4" service line feeds two households. The rest of the lines are boiler pipe that was used for the sawmill in Delleker in the early 1900s. This project will serve a Severely Disadvantaged Community, improve water quality and delivery, provide safe, reliable water supplies to the local community, protect groundwater resources, and reduce water consumption.	Municipal, Water Infrastructure, Groundwater, Drought	X	X	X		$1,500,000
MS-12	Delleker water tank rehabilitation	Grizzly Lake Community Services District	The Delleker Tank requires repairs to bring it up to meet OSHA, NFPA, AWWA and EPA codes. It is estimated that approximately 4,200,000 gallons of water will be saved annually by repairing the leaks and refurbishing this tank. It provides approximately 400 households in this severely disadvantaged community with essential domestic water supply and water for emergency fire protection.	Municipal, Water Infrastructure, Groundwater, Drought	X	X	X		$200,000

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MS-13	Groundwater monitoring	County of Plumas	This project will gather, tabulate and input existing groundwater monitoring data into GIS layer(s) that will be publicly available. Environmental Health would supply existing, available data, along with data point field locations (longitude and latitude of groundwater well locations) to a qualified consultant for creation of GIS water quality layer(s). The GIS data points would then link to tabular monitoring data by constituent, over time.	Municipal, Water Infrastructure, Groundwater, Drought	X	X	X		$40,000
MS-15	Chandler Road bridge erosion	County of Plumas	Significant bank erosion has occurred upstream and downstream from the Chandler Road bridge on Spanish Creek and is in need of erosion protection by means of rip rap to reduce the turbidity of the stream from erosion.	Water Quality, Restoration					$897,000
MS-16	Humbug Valley Road bridge erosion	County of Plumas	Seasonal flooding of Road 308 is in need of a new culvert to improve water flow, raising the road to eliminate flooding, and armoring the roadside ditches to prevent polluting adjacent lands and reduce ditch turbidity flowing to streams.	Water Quality, Restoration					$408,000
MS-17	Road 311 culvert improvement	County of Plumas	Seasonal flooding of Road 311 is in need of a new culvert to improve water flow, raising the road to eliminate flooding, and armoring the roadside ditches to prevent polluting adjacent lands and reduce ditch turbidity flowing to streams.	Water Quality, Restoration					$251,000

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Upper Feather River IRWM - Implementation Project UPDATE (March 2022)

Project Number	Project Name	Sponsor/ Agency	Summary of Project Description	Project Type	Benefits a DAC	Drought Benefit	Climate Vulner-ability Benefit	Regional Project	Estimated Budget
MS-18	Road 318 culvert improvement	County of Plumas	Seasonal flooding of Road 318 is in need of a new culvert to improve water flow, raising the road to eliminate flooding, and armoring the roadside ditches to prevent polluting adjacent lands and reduce ditch turbidity flowing to streams.	Water Quality, Restoration	X				$251,000
MS-19	North Valley Road bridge erosion	County of Plumas	Significant bank erosion has occurred upstream and downstream from the North Valley Road bridge on Indian Creek and is in need of erosion protection by means of rip rap to reduce the turbidity of the stream from erosion.	Water Quality, Restoration	X				$670,000
MS-20	Mill Creek erosion	County of Plumas	Eroded slopes on Mill Creek upstream from Highway 70 is in need of erosion protection by means of rip rap to reduce the turbidity of the stream from excessive erosion. The erosion is caused by the water flow under the highway 70 bridge being inadequate and water backs up causing erosion. Inadequate flow under highway 70 will be eased by addition of two new pipes adjacent the existing culvert.	Water Quality, Restoration	X				$835,000
MS-21	Smith Creek erosion	County of Plumas	The buildup of gravel from erosion upstream and downstream of the bridge is causing the creek to overflow over the Johnsville-Graeagle Road bridge and the gravel buildup needs to be removed.	Water Quality, Restoration	X				$105,000
MS-22	Wapaunsie Creek erosion	County of Plumas	Eroded creek bank on Wapaunsie Creek and Snake Lake Road is in need of erosion protection by means of rip rap and mechanically stabilized embankment to reduce	Water Quality, Restoration	X				$427,000

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Upper Feather River IRWM - Implementation Project UPDATE (March 2022)

Project Number	Project Name	Sponsor/ Agency	Summary of Project Description	Project Type	Benefits a DAC	Drought Benefit	Climate Vulner-ability Benefit	Regional Project	Estimated Budget
			the turbidity of water flowing to Spanish Creek from excessive erosion.						
MS-23	Stampfli Land bridge erosion	County of Plumas	Significant bank erosion has occurred upstream and downstream from the Stampfli Lane bridge on Indian Creek and is in need of erosion protection by means of rip rap to reduce the turbidity of the stream from erosion.	Water Quality, Restoration	X				$432,000
MS-24	Walker Ranch Community Services District infrastructure improvements	County of Plumas	The aging water supply system has leaks resulting in significant water losses. The system needs an exfiltration water study to determine definitively the extent of water loss.	Water Quality, Restoration	X	X			$100,000
MS-25	Humbug Valley Road 307 culvert improvement	County of Plumas	Seasonal flooding of Road 307 at three locations are in need of new culverts to improve water flow, raising the road to eliminate flooding, and armoring the roadside ditches to prevent polluting adjacent lands and reduce ditch turbidity flowing to streams.	Water Quality, Restoration					$728,000
MS-26	Municipal well No. 3	Plumas-Eureka Community Services District	The Plumas Eureka CSD Preliminary Engineering Report for the 2015 Water System Improvements identifies the need to increase the water supply volume for future use. The new 500 gallon per minute well will be installed after the installation of an arsenic removal system that will treat water from all the District wells. The new well will increase available water volume for emergency fire protection/suppression. Additionally, the new water source would provide direct benefit to the community and for future buildout of	Municipal, Water Infrastructure, Drought, Climate Change		X	X		$1,050,000

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Upper Feather River IRWM - Implementation Project UPDATE (March 2022)

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			Plumas Eureka CSD through enhanced water quality, water quantity and sustainability.						
MS-27	Treated wastewater reuse	Plumas-Eureka Community Services District	A Treated Wastewater Effluent Feasibility Study performed by Bastian Engineering identified the possibility of utilizing treated wastewater as an irrigation supplement to the Plumas Pines Golf Course. Plumas Eureka has two wastewater treatment plants; an analysis by Shaw Engineering showed that all effluent could be transported to a central location near Waste Treatment Plan 6 for treatment for use on the front nine holes of the golf course. Farr West Engineering identified technologies that could be used for reclamation in its analysis of the replacement of Waste Treatment Plant 6. *Reuse of treated wastewater will reduce demand on the aquifer *Reduce use of local surface water and groundwater resources for irrigation will make that water more readily available for fire suppression.	Municipal, Water Infrastructure, Water Quality, Conservation, Drought, Climate Change	X	X	X		N/A
MS-28	Water meter installation	Plumas-Eureka Community Services District	The Plumas Eureka CSD "Preliminary Engineering Report for the 2015 Water System Improvements" recommends the installation of water meters throughout the Plumas Eureka community. Approximately 645 radio read meters would be installed and new computer software to monitor/read the system. This would increase water conservation, the ability to identify leaks, and make system repairs to prevent water losses in the distribution system. Leaks repairs could reduce overall water losses	Municipal, Water Infrastructure, Conservation, Drought		X	X		$989,205

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Upper Feather River IRWM - Implementation Project UPDATE (March 2022)

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			by as much as 15% and water conservation up to 10% reduction in use per customer.						
MS-29	Water storage tank replacement	Plumas-Eureka Community Services District	The Plumas Eureka CSD "Preliminary Engineering Report for the 2015 Water System Improvements" recommended the replacement of an existing 190,000-gallon storage tank due to seismic concerns and existing steel construction. New storage tank will increase available water volume in a wild fire event. Additional water storage provides greater flexibility in managing groundwater pumping from wells, increased water storage is beneficial for use during times of water shortages due to extended drought, and it increases water storage capacity and ability of tank to withstand a major seismic event.	Municipal, Water Infrastructure, Drought, Climate Change		X	X		$531,750
MS-30	Wastewater treatment plant No. 6 upgrade	Plumas-Eureka Community Services District	Wastewater treatment plant #6 is approximately 35 years old. A recent engineering review of the plant found that portions of the plant are in endanger of failing. Further, current treatment methods are not be sufficient to meet unrestricted reuse of treated wastewater for irrigation purposes. An engineering analysis has been completed identifying options for either replacing the facility or repairing and upgrading major components, the costs associated with the options, and alternative locations for the facility. The upgraded/new treatment facility will reduce the risk of raw sewage contamination to the Middle Fork of the Feather River, and will improve the quality of	Municipal, Water Infrastructure, Water Quality		X	X		N/A

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Upper Feather River IRWM - Implementation Project UPDATE (March 2022)

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			effluent being released into the river after treatment. Additionally, the treated wastewater will be reused for irrigating a local golf course making the equivalent amount of irrigation water for other supply needs.						
MS-31	Wastewater treatment plant No. 7 lift station replacement	Plumas-Eureka Community Services District	The Wastewater treatment plant #7 lift station is approaching 35 years old. It was identified in 2005 as needing to be replaced during the treatment plant upgrade project of 2007. The lift station work was cut from the original treatment plant project due to overall project costs. The existing location of the lift station borders a residence's front yard and a nearby drainage flows directly into the Middle Fork of the Feather River. In 2016, failures at the Lift Station resulted in reportable spills. The District is under a SWRCB order to make repairs to the station. Replacement of the pumps and internal components are urgently needed. Ideally, the replacement project would move the lift station to a more appropriate location and provide for 12,000 gallons of emergency storage of raw sewage.	Municipal, Water Infrastructure, Water Quality					$750,000
MS-32	Water system improvements	American Valley Community Services District	The proposed project consists of four elements that can be implemented as one project or individually. Spring UV Disinfection Project: The project consists of construction of a 192-square-foot building to house one 6-inch UV Module, piping, turbidimeter, magnetic flowmeter, electrical/telemetry, and controls, and with site	Municipal, Water Infrastructure, Drought	X	X	X		$589,000

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			piping modifications to tie into the existing system. Wildland Fuel Reduction Project: The project consists of removing surface and ladder fuels within a 100-foot-wide swath along the District's property boundary adjacent to residential areas, 50 feet on each side of the District's spring supply pipeline, and 100 feet all around the District's Goodwin and Boyle Water Tanks. South Quincy Pressure Zone Feasibility Study: The feasibility study will consist of developing a GIS-based hydraulic model of the District's water system, utilizing recent water consumption data. Central/Edwards/Summerfield Waterline Replacement Project: This project consists of replacing approximately 1,700 feet of existing small-diameter water main with new 6-inch PVC water main and appurtenances on Center, Edwards, Summerfield, and North Church Streets. In addition, four new fire hydrants, eight 6-inch gate valves, and two 2-inch gate valves will be installed.						
MS-33	Sierra County Road improvements	County of Sierra	Drain stormwater on several County roads by installing culverts and drains, building small detention basins, creating drainages, implementing stream bank and land erosion control measures and reestablishing historic flows. *Restore historic flows and restore meadow/wetlands. *Implement stabilization measures to stream banks and hillsides to reduce erosion and resulting sedimentation	Water Quality, Restoration		X			$495,000

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			and turbidity in local creeks and the North Fork of the Feather River. * The project benefits wildlife and fisheries.						
MS-35	Alternative Water Source Analysis and Development	Sierraville Public Utilities District (SPUD)	Currently the community of Sierraville is served by one spring located on National Forest Land. SPUD would not be able to meet health and safety needs of the community if the single source of water was contaminated, ran dry, lost due to curtailment or water rights issues or damaged or destroyed in a natural disaster. SPUD has been directed by DWR to research and develop an alternative water source. We know we have adjudicated rights to Webber Creek water, but no means to filter, pump and deliver the water. There may also be potential for development of a well somewhere in the vicinity.	Water Infrastructure, Water Supply Reliability, Drinking Water	X	X	X		$660,000
MS-36	Water storage project	Westwood Community Services District	Construct a one (1) million-gallon water storage tank to bring the Westwood Community Services District (WWCSD) up to minimum state requirements: the Waterworks Standards require systems with less than 1,000 service connections to have source and storage capacity equal to or greater than the maximum day demand (MDD). As shown in the Inspection Report, the District's treated water storage capacity is insufficient to meet its estimated MDD. The District has one active water source and one 500,000 water storage tank, and therefore does not have a second source of supply or sufficient storage to meet the source/storage capacity criteria. The project	Municipal, Water Infrastructure, Drought, Climate Change	X	X	X		$750,000

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Upper Feather River IRWM - Implementation Project UPDATE (March 2022)

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			will provide approximately 4.5 additional hours of fire suppression capability in the mountain community of Westwood and immediate area, increase water storage by 1,000,000 gallons, and additional storage will provide sufficient water storage to meet State source/storage criteria and enhance the fire suppressing capability of the local Fire Dept.						
MS-37	Almanor Basin solid and wastewater treatment plant	Lake Almanor Watershed Group/Sierra Institute	This project will be the first phase of a two-phase project. This phase is to develop an integrated, basin-wide solid waste and wastewater management system for communities around Lake Almanor. The second phase will be the construction of the approved system. Without this project, the effects of nutrient deposition due to human waste and other sources will be exacerbated by warmer temperatures and drier years. Therefore, identifying sources of nutrient deposition and avenues for mitigating these impacts will help combat the effects of climate change on these variables.	Municipal, Water Infrastructure, Water Quality	X		X		$135,000
MS-39	Meter replacement	Sierraville Public Utilities District	Sierraville Public Utilities District has old meters of differing makes and models with unreliable accuracy. Reading becomes difficult due to snow accumulation and rodent damage. It has been difficult to hire and insure a meter reader. Remote read meters with smart technology will allow us to greatly increase water conservation with accurate and immediate leak detection ability.	Municipal, Water Infrastructure, Conservation, Drought	X	X			$194,000

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Upper Feather River IRWM - Implementation Project UPDATE (March 2022)

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MS-42	Automatic meter reading (ARM) project	East Quincy Services District	Replace the existing 850 water meters with Sensus I-Perl (or equivalent) meters with automatic reading capabilities. The measured groundwater pumped from East Quincy Services District (EQSD) wells is approximately 10% more than the water read at the current meters. Accurate and timely meter reading will provide the EQSD stakeholders with the information to better govern water use in accordance with the Governor's drought proclamation and satisfy the IRWM goal to: "establish and maintain effective communication among water resource stakeholders in the region, enhancing the publics' understanding of water management issues". ARM water meters will allow for improved efficiency and reliability of the EQSD water-related infrastructure resulting in reduced groundwater pumping. And ARM water meters would also enhance the District's ability to audit the system. Additionally, reduced demand on local groundwater increases resources available for wildland fire suppression.	Municipal, Water Infrastructure, Drought, Conservation	X	X	X		$ 666,679
MS-43	Replace copper service lines project	East Quincy Services District	Replace 450 copper water service lines from the corporation stop at the water main to the service meter with polyethylene pipe of the same size. These older soft copper lines were not bedded in select material at the time of construction and have begun to develop wear holes that enlarge with the erosive force of high-pressure flow. The native material is a coarse aggregate which does not result in	Municipal, Water Infrastructure, Drought	X	X	X		$1,107,685

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Project Number	Project Name	Sponsor/ Agency	Summary of Project Description	Project Type	Benefits a DAC	Drought Benefit	Climate Vulner-ability Benefit	Regional Project	Estimated Budget
			surfacing of the leaks. The work would entail open trench construction, primarily in the county roads. Trench repair would satisfy the requirements of the to-be-obtained encroachment permit. Replacement of the copper service lines will lead to water conservation as the leaks that develop are difficult to locate due to aforementioned granular nature of the native material. Conservation would result in improved efficiency and reliability of the EQSD water-related infrastructure resulting in reduced groundwater pumping. Improved supply reliability also allows water to be available to fight wildfires with a reduced impact on supplies needed to meet existing demands and will help to ensure that demands associated with the regional economy – including manufacturing, tourism and agriculture – can be met.						
MS-44	Community Water Tank Project	Indian Valley Community Services District (IVCSD)	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 need 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	Water Infrastructure, Water Quality, Water Supply Reliability	X				$320,000

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Upper Feather River IRWM - Implementation Project UPDATE (March 2022)

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			project would involve diving each tank, inspecting for maintenance issues, and cleaning sediment from the bottom of the tank. Inspections will include assessing the IVCSD's needs and capabilities for upgrading, replacing, or supplementing existing water tank storage. After the Camp fire it has become evident to the IVCSD that fire response from within Greenville is more critical than ever given that there may be a power outage and that USFS and CALFIRE response times may exceed 30-60 minutes, and that air tanker support may be unavailable in a high red flag situation. This was the perfect firestorm of conditions that destroyed Paradise. The IVCSD appreciates the opportunity to supplement and upgrade its emergency water and fires preparedness through the DWR DACTI program for the Mountain Counties Funding Area (MCFA). The IVCSD has prioritized water tank upgrade and expansion opportunities and is currently evaluating its back-up power preparedness for Greenville. The IVCSD's engineer is preparing design drawings and refined cost estimates. The new tank will be located on IVCSD property. The exact location will determine If a Mitigated Negative Declaration rather than a Categorical Exemption is required under CEQA. If our engineer needs to include costs for a Mitigated Negative Declaration, he will provide those cost estimates as well. The IVCSD anticipates including the 10% administration cost and working with the Plumas County Community Development Commission to administer the grant for the IVCSD, should we						

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			be awarded the $320,000 that we are now seeking from the DWR MCFA DACT1 program.						
MS-45	Crescent Mills raw water iron and manganese treatment project	Indian Valley Community Services District	Install new pumps and water line to move treatment of iron and manganese further from the distribution plant in order to make process for effective.	Municipal, Water Infrastructure, Drought, Water Quality	X	X	X		$50,000
MS-46	Wolf Creek Sewer Crossing Replacement Project	Indian Valley Community Services District	Project includes the replacement of a suspended sewer pipeline that crosses Wolf Creek near the town of Greenville. The District proposes raising the elevation of the pipeline crossing to be better protected and prevent sewer spills associated with future flood events. The scope of the project would include construction of a newer 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.	Municipal, Water Infrastructure, Drought	X	X	X		$ 450,000

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Project Number	Project Name	Sponsor/ Agency	Summary of Project Description	Project Type	Benefits a DAC	Drought Benefit	Climate Vulner-ability Benefit	Regional Project	Estimated Budget
MS-48	Chester Public Utility District - Water System Improvements - Replacement of Water Meters and Installing a Fixed Network Water Meter Reading System	Chester Public Utility District	Replacing existing water meters and installing new radio meters that will interface with a fixed network system. The fixed network would provide better tracking of water to identify delivery system leakage thereby reducing the demand on the groundwater basin. With the fixed network reading system, Chester PUD would have 24 hr/day, 365 day/year, access ability to identify delivery system leaks and or breaks in a very short time, service customers would have "online" access to their water meter and be able to self-monitor their usage, and the data would be able to be shared with surrounding water supply districts.	Municipal, Water Infrastructure, Conservation, Drought	X	X	X		$ 600,000
Tribal Advisory Committee (TAC) Projects									
TAC-2	Big Springs vegetation management	Maidu Summit Consortium	Big Springs, near Humbug Valley has become overgrown with unmanaged vegetation. The flow of water has been impeded by the unmitigated growth and work must be done to thoroughly open up this important cold-water spring. The surrounding habitat of Fenn bog and Aspen groves are critically stressed due to poor spring vegetation management. The Maidu Tribe utilizes this site for traditional practices and that use is threatened by continued under-management of the site. The surrounding forest is a high fuels fire risk which further endangers the health of the Spring, and limits the Maidus' traditional uses that would otherwise occur here, such as native food gathering and propagation.	Restoration, Drought, Water Quality, Forestry		X	X		$ 400,000

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			Substantial improvement to the hydrological functions and beneficial uses of this substantial cold-water spring will be accomplished through sustained vegetation traditional Maidu management of this site. Coldwater habitat in the North Fork of the Upper Feather watershed will be enhanced by increase cold-water flows. By enhancing the flow of these springs, we improve the wetlands of the adjacent montane meadow, subsequently reducing wildland fire risk through improved meadow hydrology.						
TAC-3	Mud Creek habitat recovery	Maidu Summit Consortium	Components of the comprehensive vegetation management program include: 1) General wetland cleanup and hand treatment of dead and dying woody materials; 2) Willow treatment, coppicing and debris removal; 3) Understory management and thinning; 4) Plant population studies, for community health; 5) Water quality studies, for community health; 6) Monitoring of change to growth patterns, before and after; and 7) Final report of project details and outcomes. Site enhancements predicted for this site include: roughly 200 acres of recovered critical habitat for special plant species that provide the Maidu People with medicine, traditional food and basketry materials. Improvements to water quality on this site and to the immediate down-stream water users (community of Chester and important bird habitat near Lake Almanor causeway).	Restoration, Drought, Water Quality, Fisheries, Forestry	X	X	X		$450,000

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TAC-5	Indian Jim River Resource Center	Maidu Summit Consortium	We seek to complete the remediation of hazardous materials at the old Indian Jim School site and to recover the building, if possible, in order to establish a River Resource Center. If the building is unable to be saved, we would secondarily seek to construct a new building.	Restoration, Educational	X	X	X		$350,000
TAC-6	Tradition Ecological Knowledge	Maidu Summit Consortium	The Upper Feather River Tribal Review Project provides a mechanism for relevant Upper Feather River (UFR) Tribe(s), the Maidu Summit Consortium and/or Tribal Review Committee to evaluate and provide recommendations to each project submitted to the UFR RWMG to incorporate Traditional Ecological Knowledge (TEK). This review process is important to ensure that each proposed project is given the opportunity to hold significant value to Upper Feather River Native Peoples, which each can benefit from Tribal historical knowledge and will be part of a self-sustaining healthy Upper Feather River ecosystem. TEK refers to a cumulative body of knowledge, belief, and practice and handed down through generations through "stories, songs, foods, medicines, and language" that have been shaped by ecological interactions spanning thousands of years. This relationship of living beings (including human) with their traditional groups and with their environment enables consistent best practice decision making in regards to current land management planning by traditional native practitioners.	Restoration, Drought, Educational, Cultural, Climate Change		X	X	X	$200,000

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TAC-7	Middle Fork Feather River Headwaters Tribal Big Time Phase Two	Trina Cunningham/ California Indian Water Commission	Through restoration of ecological and cultural practices and purposes the three tribes that still share this land can reengage youth with ancestral connections in this area through today's traditional tribal practitioners of all ages. One of the ways we may do this is by working with the many groups, organizations, and citizens in our homelands. Through the work of the Intertribal Planning Committee (IPC) we hope to restore cultural and ecological connections in the headwaters of the Middle Fork through the Wild and Scenic Middle Fork Canyons to the waters captured in the Lake Oroville Dam. As tribal and ecological connectivity are strengthened, renewed Feather River waters will flow out into the ocean, reconnected by Middle Fork Feather River water that is respected as a primary source of life and an intertribal responsibility. This Sierra Valley Big Time was a way of celebrating a new beginning for tribal members who are interested in reconnecting with each other and reenergizing their ancestral connections with the land, waters and species of this dynamic area at the intersection of Great Basin and Sierra ecosystems with the headwaters of the Middle Fork of the Feather River.	Restoration, Educational, Cultural, Climate Change		X	X		$25,000
TAC-8	Tribal Outreach and Consultation on Reintroduction of Salmon into	Trina Cunningham/ California Indian Water Commission	Tribal outreach and engagement and capacity building are the purposes of the project. Tribal engagement in salmon reintroduction in the Seneca reach is anticipated to improve the effectiveness of pilot project actions that may	Restoration, Fisheries, Drought	X	X	X		$30,000

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	the Seneca Reach of The North Fork Feather River		evolve from the Habitat Assessment. Tribal consultation includes mentoring partnerships with local fishery entities and engagement with the PNF, the Ecological Resources Committee for FERC license #1962 and FERC licenses #2105 and #2100 Settlement Parties if the Habitat Assessment is positive. A Habitat Enhancement Agreement was executed in FERC #2100 that will need to be updated to include the Seneca Reach if the Habitat Assessment is positive.						
TAC-9	The Genesee Valley Tribal Engagement and Watershed Enhancement Project, Phase One	California Indian Water Commission	The purpose and goal of the project is to further needs assessment and restoration actions for springs, a tribal priority; and to provide funding that enables tribal engagement and participation in all aspects of the 33,000-acre Genesee Valley Watershed Improvement Project by piloting tribal stewardship partnerships throughout Phase One Implementation.	Restoration, Drought, Water Quality, Forestry		X	X		$ 150,000
Uplands and Forest (UF) Projects									
UF-1	Marian Meadow	Collins Pine Company	Quantifying the response of meadow restoration assists forest, range, and agricultural land managers determine the effect of their investment in meadow restoration. This study is using a before after control intervention (BACI) study design to study the hydrologic change conifer removal from a historic meadow (Marian Meadow). We hypothesize that the conifer removal will create soil hydric characteristics which will promote a wet meadow system. We have instrumented two sites 1) a restored meadow	Restoration, Drought, Water Quality, Forestry			X		$145,000

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			and 2) our historic meadow with soil moisture sensors, shallow groundwater wells, and a surface water level recorder. We have been measuring soil moisture, groundwater levels, and soil hydric characteristics for two years prior to meadow restoration and currently have funding for study one year following meadow restoration. This application is requesting funding to increase the length of study by two years. A longer duration will provide greater certainty in before and after and control and treatment site comparisons of the hydrologic response of the conifer removal.						
UF-2	Rock Creek meadow restoration	Collins Pine Company	Quantifying the response of meadow restoration assists forest, range, and agricultural land managers determine the effect of their investment in meadow restoration. This study will use a before/after control intervention (BACI) study design to study the hydrologic change conifer removal from a historic meadow (Rock Creek Meadow). We hypothesize that the conifer removal will create soil hydric characteristics which will promote a wet meadow system. We will instrument two sites 1) a restored meadow and 2) our historic meadow with soil moisture sensors, shallow groundwater wells, and a surface water level recorder. We will be measuring soil moisture, groundwater levels, and soil hydric characteristics for two years prior to meadow restoration and two years following meadow restoration.	Restoration, Drought, Water Quality, Forestry		X	X		$180,000

KEY: **Blue** – Ready for Funding **Gray** – Conceptual Only **White** – No Project Status Update

Upper Feather River IRWM - Implementation Project UPDATE (March 2022)

Project Number	Project Name	Sponsor/ Agency	Summary of Project Description	Project Type	Benefits a DAC	Drought Benefit	Climate Vulner-ability Benefit	Regional Project	Estimated Budget
UF-6	Round Valley/Keddie hand thin	US Forest Service	The project includes 375 acres of handthinning, piling and burning to reduce hazardous ladder and surface fuels in and around the Round Valley Reservoir and the Wildland urban interface east of the reservoir proximate to the community of Greenville. The areas proposed for treatment include NFS lands within the Greenville Municipal Water District (near Round Valley Reservoir) and within the lower Wolf Creek watershed which is a Plumas NF priority watershed classified as "Functioning at Risk" watershed. This project aims to improve the forest conditions within the municipal watershed and immediately surrounding the reservoir. The fuel treatments were designed to reduce hazardous fuels accumulations and the potential for catastrophic fire and associated negative effects within the municipal watershed.	Restoration, Drought, Water Quality, Forestry	X	X	X		$350,000
UF-7	U.S. Forest Service Road improvements	US Forest Service	This project will reduce road-generated sediment delivery to streams in four priority watersheds on Plumas National Forest by improving drainage along roughly 80 miles of Forest roads or motorized trails. All of the 260 miles of road in the 4 watersheds will be field surveyed and treatments will target problem road segments.	Restoration, Water Quality, Forestry			X	X	$1,000,000
UF-8	Goodrich Creek biomass	W.M. Beaty & Associates	Provide for biomass harvesting to be conducted on approx. 2,800 acres of private forestland that is adjacent to a recently funded pond and plug project on tributaries that flow into Goodrich Creek. This project will be	Restoration, Drought, Water Quality, Forestry	X	X	X		$715,600

KEY: **Blue** – Ready for Funding **Gray** – Conceptual Only **White** – No Project Status Update

Upper Feather River IRWM - Implementation Project UPDATE (March 2022)

Project Number	Project Name	Sponsor/ Agency	Summary of Project Description	Project Type	Benefits a DAC	Drought Benefit	Climate Vulner-ability Benefit	Regional Project	Estimated Budget
			designed to enhance the restoration of 125 acres of upland meadow by reducing the density of small understory trees, which will reduce the amount of evapotranspiration and canopy interception providing for increased infiltration into the soil. The expected increase in groundwater will also help to increase stream flow in the area. An additional result of the biomass harvest will be the reduction of fuel loads in the area. This will help to mitigate the risk of catastrophic wildfire which can lead to significant decreases in water quality.						
UF-10	Greenville Creek biomass	W.M. Beaty & Associates	The project would provide for biomass harvesting to be conducted on approximately 1,350 acres of private forestland that is adjacent to a recently funded pond and plug project on Greenville Creek which flows into Mountain Meadows Reservoir. This project will be designed to enhance this work by reducing the density of small understory trees, which will reduce the amount of evapotranspiration and canopy interception providing for increased infiltration into the soil. The project will also reduce fuel levels on the northern slopes of Keddie Ridge reducing the risk of catastrophic wildfire in that area protecting resources such as Deerheart and Homer Lakes. The project can be conducted in phases over a time period of 1 to 5 years.	Restoration, Drought, Water Quality, Forestry	X	X	X		$345,630
UF-11	Mountain Meadows Creek biomass	W.M. Beaty & Associates	The project would provide for biomass harvesting to be conducted on approximately 1,700 acres of private forestland that is	Restoration, Drought,	X	X	X		$435,230

KEY: **Blue** – Ready for Funding **Gray** – Conceptual Only **White** – No Project Status Update

Upper Feather River IRWM - Implementation Project UPDATE (March 2022)

Project Number	Project Name	Sponsor/ Agency	Summary of Project Description	Project Type	Benefits a DAC	Drought Benefit	Climate Vulner-ability Benefit	Regional Project	Estimated Budget
			adjacent to Mountain Meadows Reservoir. This project will be designed to decrease the density of small understory trees reducing the amount of evapotranspiration and canopy interception. The project will also reduce fuel levels on lands adjacent to Mountain Meadows Reservoir and Creek decreasing the risk of catastrophic wildfire in those areas. The project can be conducted in phases over a time period of 1 to 5 year	Water Quality, Forestry					
UF-12	UFR Cooperative regional thinning	Sierra Pacific Industries	The purpose of the project is to: 1) Reduce catastrophic wildfire in overstocked forests through forest thinning, 2) Restore the forest hydrograph by reducing the rate of conifer evapotranspiration, and 3) Reduce conifer interception of rain and snow and enhance the infiltration of soil moisture by increasing spacing of dominant and codominant overstory trees. The phased, cooperative project will be designed and implemented at a broad, multi-ownership, landscape level.	Restoration, Drought, Water Quality, Forestry	X		X	X	$50,400 – $52,920
UF-13	UFR cooperative LiDAR and GIS support program	Plumas County	This project will directly support mapping and project-design for a large number of other currently-proposed IRWM projects, and each project could potentially contribute a small portion of their budget to an overall mapping budget for the entire UFR Region. LiDAR data will be useful in identifying areas of overstocked forests where thinning will increase groundwater infiltration and reduce the severity of future wildfires. LiDAR data can	Restoration, Drought, Water Quality, Forestry	X		X		$3 mil – $4 mil

KEY: **Blue** – Ready for Funding **Gray** – Conceptual Only **White** – No Project Status Update

Upper Feather River IRWM - Implementation Project UPDATE (March 2022)

Project Number	Project Name	Sponsor/ Agency	Summary of Project Description	Project Type	Benefits a DAC	Drought Benefit	Climate Vulner-ability Benefit	Regional Project	Estimated Budget
			be analyzed to map fuel loading and prioritize specific area for hazard reduction thinning.						
UF-14	Berry Creek Forest Health and Watershed Protection Project	Butte County Fire Safe Council	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.	Restoration, Drought, Water Quality, Forestry	X	X	X		$600,000
UF-15	Concow Forest Health and Watershed Protection Project	Butte County Fire Safe Council	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 Concow, 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	Restoration, Drought, Water Quality, Forestry	X	X	X		$600,000

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Upper Feather River IRWM - Implementation Project UPDATE (March 2022)

Project Number	Project Name	Sponsor/ Agency	Summary of Project Description	Project Type	Benefits a DAC	Drought Benefit	Climate Vulner-ability Benefit	Regional Project	Estimated Budget
			and pile burn, mastication, prescribed fire, lop and scatter, as well as hand cut and chip.						
UF-16	Feather Falls Forest Health and Watershed Protection Project	Butte County Fire Safe Council	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.	Restoration, Drought, Water Quality, Forestry		X	X		$600,000
UF-17	Forbestown Ridge Forest Health and Watershed Protection Project	Sacramento River Watershed Program, 34 North	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.	Restoration, Drought, Water Quality, Forestry		X	X		$565,000

KEY: **Blue** – Ready for Funding **Gray** – Conceptual Only **White** – No Project Status Update

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: *New 140,000 Gallon Tank*

PROJECT SPONSOR(S)*: Sierra County Waterworks District #1*
Phone: (530) 994-3649
Email: jndrummond123@gmail.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.

☐	Agriculture
☐	Community
☐	Education
☒	Fire and Fuels
☐	Flooding
☐	Habitat and Environment
☒	Infrastructure
☐	Invasive Species
☐	Recreation
☐	Water Quality
☒	Water Supply
☐	Other – *please describe:*

BRIEF DESCRIPTION OF PROJECT: *A new 140,000 gallon tank is necessary to provide the community with sufficient fire flow. Four houses in Calpine have burned down due to a lack of firefighting water. Planning preparations have all been made and construction is scheduled for 2022. The District would like to install*

a welded tank, but if insufficient funds are available, it will construct a bolted steel tank. The project will be bid consistent with public contracting requirements.

PROJECT LOCATION: *Calpine – Catfish Lane, 39.66561531071082, -120.44575388501025*

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

	Month	Month	Month	Month
Task 1: Project bid	10/1/2021	Click or tap to enter a date.	Click or tap to enter a date.	Click or tap to enter a date.
Task 2: Construction	4/1/2022	Click or tap to enter a date.	Click or tap to enter a date.	Click or tap to enter a date.
Task 3: Testing and Startup	9/1/2022	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**
USDA	Click or tap here to enter text.
SIERRA NEVADA CONSERVANCY	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	☒	Yes
	☐	No (provide details below)
	Details: Click or tap here to enter text.	
Engineering complete	☒	Yes
	☐	No (provide details below)
	Details: Click or tap here to enter text.	
Project does not require technical design or engineering	*Provide details:* Click or tap here to enter text.	
CEQA/NEPA complete	☒	Yes
	☐	No (provide details below)
	Details: Click or tap here to enter text.	
No CEQA required	*Provide details:* Click or tap here to enter text.	

No NEPA required	*Provide details:* Click or tap here to enter text.	
Performance Measures identified[1]	☒	Yes
	☐	No (provide details below)
	Details: One new functional 140,000 gallon storage tank	
Monitoring Plan complete	☐	Yes
	☒	No (provide details below)
	Details: Not applicable	

BUDGET

Total Project Budget:	Budget: $625,000
Match	Amount: $500,000
	Source: USDA LOAN
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
☐	Restore natural hydrologic functions.	Click or tap here to enter text.
☒	Reduce potential for catastrophic wildland fires in the Region.	Reduces potential for structural fire to extend to adjacent wildland.
☐	Build communication and collaboration among water resources stakeholders in the Region.	Click or tap here to enter text.
☐	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.	Click or tap here to enter text.
☐	Encourage municipal service providers to participate in regional water management actions that improve water supply and water quality.	Click or tap here to enter text.
☐	Continue to actively engage in FERC relicensing of hydroelectric facilities in the Region.	Click or tap here to enter text.
☐	Address economic challenges of municipal service providers to serve customers.	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
☐	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.
☒	Address water resources and wastewater needs of DACs and Native Americans.	Water storage is needed for municipal fire fighting
☐	Coordinate management of recharge areas and protect groundwater resources.	Click or tap here to enter text.
☐	Improve coordination of land use and water resources planning.	Click or tap here to enter text.
☐	Maximize agricultural, environmental and municipal water use efficiency.	Click or tap here to enter text.
☒	Effectively address climate change adaptation and/or mitigation in water resources management.	If drought affects the quantity of water that can be drawn by the groundwater wells, the tank will be able to partially mitigate.
☒	Improve efficiency and reliability of water supply and other water-related infrastructure.	Increased water storage will improve reliability of water supply
☐	Enhance public awareness and understanding of water management issues and needs.	Click or tap here to enter text.
☐	Address economic challenges of agricultural producers.	Click or tap here to enter text.
☐	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.
☐	*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	
☐	Agricultural Water Use Efficiency
☐	Urban water use efficiency
Improve Flood Management	
☐	Flood management
Improve Operational Efficiency and Transfers	
☒	Conveyance – regional/local
☐	System reoperation
☐	Water transfers
Increase Water Supply	
☐	Conjunctive management
☐	Precipitation Enhancement
☐	Municipal recycled water
☐	Surface storage – regional/local
Improve Water Quality	
☐	Drinking water treatment and distribution
☐	Groundwater remediation/aquifer remediation
☐	Matching water quality to water use
☐	Pollution prevention

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

MEASURABLE OUTCOMES

Gallons per minute available for fire fighting.

LOCAL PLANNING DOCUMENTS

There is a Preliminary Engineering Report prepared for the project.

GREENHOUSE GAS EMISSIONS

Fill our and submit the Greenhouse Gas Emissions (GHG) Worksheet, which can be found at this link: http://featherriver.org/wp-content/uploads/2018/05/UFR-IRWMP_Project-Assessment-_Attachment-B_GHG-Analysis_11-25-15.xlsx.

AND

Fill out and submit the Climate Change Project Analysis, which can be found at this link: http://featherriver.org/wp-content/uploads/2018/05/UFR-IRWMP_Project-Assessment_Attachment-A_Checklist_11-25-15.docx.

STEP 1 UPPER FEATHER RIVER IRWM
Implementation Project Application 2018

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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: *Well 1 Treatment Facilities*

PROJECT SPONSOR(S)*: Sierra County Waterworks District #1*
Phone: (530) 994-3649
Email: jndrummond123@gmail.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.

☐	Agriculture
☐	Community
☐	Education
☐	Fire and Fuels
☐	Flooding
☐	Habitat and Environment
☐	Infrastructure
☐	Invasive Species
☐	Recreation
☒	Water Quality
☒	Water Supply
☐	Other – *please describe:*

BRIEF DESCRIPTION OF PROJECT: *Well 1 is an older well that is very close to exceeding the allowable level of arsenic in drinking water. The level of arsenic has been trending upwards in recent years and it is anticipated that levels of arsenic will be out of compliance with State law in the near future. This project would provide treatment facilities to ensure safe drinking water to the community of Calpine.*

PROJECT LOCATION: *Well 1 is located in Calpine, at approximately 39.662592467905185, -120.45571375269176.*

BRIEF PROJECT TIMELINE: *Timeline depends on levels of arsenic detected in Well 1. The District is hopeful the well will continue to produce water below the allowable arsenic level for the next six years.*

	Month	Month	Month	Month
Task 1: Complete Engineering	2026	Click or tap to enter a date.	Click or tap to enter a date.	Click or tap to enter a date.
Task 2: Install treatment facilities	2027	Click or tap to enter a date.	Click or tap to enter a date.	Click or tap to enter a date.
Task 3: Connect Well #1 to treatment facilities	2027	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**
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.	Click or tap here to enter text.

PROJECT STATUS

Design complete	☐	Yes
	☒	No (provide details below)
	Details: Treatment system is still under consideration.	
Engineering complete	☐	Yes
	☒	No (provide details below)
	Details: Not much engineering is required; the building will already be in place; this project requires the addition of filters, media, a chemical feeder, instrumentation and controls, and ancillary equipment.	
Project does not require technical design or engineering	*Provide details: See above.*	
CEQA/NEPA complete	☐	Yes
	☒	No (provide details below)
	Details: Anticipate a categorical exemption for a minor modification to an existing facility.	

No CEQA required	*Provide details: Anticipate a categorical exemption for a minor modification to an existing facility which could be filed at any time.*	
No NEPA required	*Provide details: Would only be required if Federal funding contributions are part of the project.*	
Performance Measures identified[1]	☒	Yes
	☐	No (provide details below)
	Details: Arsenic parts per billion.	
Monitoring Plan complete	☐	Yes
	☒	No (provide details below)
	Details: Monitoring of the additional treatment facilities will occur at the same time as the other District facilities are monitored.	

BUDGET

Total Project Budget:	Budget: $200,000
Match	Amount: Unknown
	Source: District reserves
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
☐	Restore natural hydrologic functions.	Click or tap here to enter text.
☐	Reduce potential for catastrophic wildland fires in the Region.	Click or tap here to enter text.
☐	Build communication and collaboration among water resources stakeholders in the Region.	Click or tap here to enter text.
☐	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.	Click or tap here to enter text.
☐	Encourage municipal service providers to participate in regional water management actions that improve water supply and water quality.	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
☐	Continue to actively engage in FERC relicensing of hydroelectric facilities in the Region.	Click or tap here to enter text.
☒	Address economic challenges of municipal service providers to serve customers.	Providing sufficient good quality municipal water is expensive with a small customer base.
☐	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.
☐	Address water resources and wastewater needs of DACs and Native Americans.	Click or tap here to enter text.
☐	Coordinate management of recharge areas and protect groundwater resources.	Click or tap here to enter text.
☐	Improve coordination of land use and water resources planning.	Click or tap here to enter text.
☐	Maximize agricultural, environmental and municipal water use efficiency.	Click or tap here to enter text.
☐	Effectively address climate change adaptation and/or mitigation in water resources management.	Click or tap here to enter text.
☒	Improve efficiency and reliability of water supply and other water-related infrastructure.	Improves reliability of the water source
☐	Enhance public awareness and understanding of water management issues and needs.	Click or tap here to enter text.
☐	Address economic challenges of agricultural producers.	Click or tap here to enter text.
☐	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.
☐	*Other (please describe):*	Click or tap here to enter text.

RESOURCE MANAGEMENT STRATEGIES ADDRESSED

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☐	Flood management
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☐	Conveyance – regional/local
☐	System reoperation
☐	Water transfers
Increase Water Supply	
☐	Conjunctive management
☐	Precipitation Enhancement
☐	Municipal recycled water
☐	Surface storage – regional/local
Improve Water Quality	

√	Resource Management Strategy
☒	Drinking water treatment and distribution
☐	Groundwater remediation/aquifer remediation
☒	Matching water quality to water use
☐	Pollution prevention
☐	Salt and salinity management
☐	Urban storm water runoff management
Practice Resource Stewardship	
☐	Agricultural land stewardship
☐	Ecosystem restoration
☐	Forest management
☐	Land use planning and management
☐	Recharge area protection
☐	Sediment management
☐	Watershed management
People and Water	
☐	Economic incentives
☐	Outreach and engagement
☐	Water and culture
☐	Water-dependent recreation
☐	Wastewater/NPDES

MEASURABLE OUTCOMES

Arsenic detected in parts per billion.

LOCAL PLANNING DOCUMENTS

Arsenic level in Well 1 is mentioned in the Preliminary Engineering Report for the Proposed New Well.

GREENHOUSE GAS EMISSIONS

Fill our and submit the Greenhouse Gas Emissions (GHG) Worksheet, which can be found at this link: http://featherriver.org/wp-content/uploads/2018/05/UFR-IRWMP_Project-Assessment-_Attachment-B_GHG-Analysis_11-25-15.xlsx.

AND

Fill out and submit the Climate Change Project Analysis, which can be found at this link: http://featherriver.org/wp-content/uploads/2018/05/UFR-IRWMP_Project-Assessment_Attachment-A_Checklist_11-25-15.docx.

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Implementation Project Application 2018

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PROJECT NAME: New Groundwater Well and Treatment Facility

PROJECT SPONSOR(S)*: Sierra County Waterworks District #1*
Phone: (530) 994-364
Email: jndrummond123@gmail.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.

☐	Agriculture
☒	Community
☐	Education
☐	Fire and Fuels
☐	Flooding
☐	Habitat and Environment
☒	Infrastructure
☐	Invasive Species
☐	Recreation
☒	Water Quality
☒	Water Supply **#1 – to meet State requirements**
☐	Other – *please describe:*

BRIEF DESCRIPTION OF PROJECT: Construct and equip a new groundwater well at the site of a completed test well, pipe water to treatment facility site; treat for arsenic.

PROJECT LOCATION: The new groundwater well would be located in the community of Calpine, which the Sierra County Waterworks District #1 serves. Project coordinates (not exact as there are two sites that make up the project including the well and the treatment facility): 39.661661313736964, -120.4502194734308

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

	Month	Month	Month	Month
Task 1: Construct and Equip New Well	4/1/2023	Click or tap to enter a date.	Click or tap to enter a date.	Click or tap to enter a date.
Task 2: Piping Construction	5/1/2023	Click or tap to enter a date.	Click or tap to enter a date.	Click or tap to enter a date.
Task 3: New treatment facility	5/1/2023 thru 8/2023	Click or tap to enter a date.	Click or tap to enter a date.	Click or tap to enter a date.
Task 4: Startup and Testing	9/1/2023	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**
State Water Resources Control Board	Click or tap here to enter text.
Department of Water Resources	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	☒	Yes
	☐	No (provide details below)
	Details: Click or tap here to enter text.	
Engineering complete	☒	Yes
	☐	No (provide details below)
	Details: Click or tap here to enter text.	
Project does not require technical design or engineering	*Provide details:* Click or tap here to enter text.	
CEQA/NEPA complete	☒	Yes
	☐	No (provide details below)
	Details: Click or tap here to enter text.	

No CEQA required	*Provide details:* Click or tap here to enter text.	
No NEPA required	*Provide details:* Click or tap here to enter text.	
Performance Measures identified[1]	☒	Yes
	☐	No (provide details below)
	Details: project must be completed to the satisfaction of the SWRCB	
Monitoring Plan complete	☐	Yes
	☒	No (provide details below)
	Details: Not required	

BUDGET

Total Project Budget:	Budget: $2.2 Million
Match	Amount: Unknown at this time
	Source: State Water Resources Control Board SRF
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
☐	Restore natural hydrologic functions.	Click or tap here to enter text.
☐	Reduce potential for catastrophic wildland fires in the Region.	Click or tap here to enter text.
☐	Build communication and collaboration among water resources stakeholders in the Region.	Click or tap here to enter text.
☒	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.	This project will provide the water supply that is currently deficient in Calpine, per State standards. With sufficient water resources, the community will have the ability to add new commercial and recreational opportunities in concert with Plumas-Sierra County economic development efforts.
☒	Encourage municipal service providers to participate in regional water management actions that improve water	The project will increase water supply and water quality for municipal purposes in

[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
	supply and water quality.	Calpine; this promotes quality of life in the region. Coordination will be made with Sierra Valley Groundwater Management District.
☐	Continue to actively engage in FERC relicensing of hydroelectric facilities in the Region.	Click or tap here to enter text.
☒	Address economic challenges of municipal service providers to serve customers.	The cost of a reliable water supply with excellent water quality is very high for a small community.
☐	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.
☒	Address water resources and wastewater needs of DACs and Native Americans.	The Division of Financial Assistance categorizes Calpine as a DAC.
☐	Coordinate management of recharge areas and protect groundwater resources.	Click or tap here to enter text.
☐	Improve coordination of land use and water resources planning.	Click or tap here to enter text.
☐	Maximize agricultural, environmental and municipal water use efficiency.	Click or tap here to enter text.
☐	Effectively address climate change adaptation and/or mitigation in water resources management.	Click or tap here to enter text.
☒	Improve efficiency and reliability of water supply and other water-related infrastructure.	Improves reliability of the current water system; should one of the existing wells fail.
☐	Enhance public awareness and understanding of water management issues and needs.	Click or tap here to enter text.
☐	Address economic challenges of agricultural producers.	Click or tap here to enter text.
☐	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.
☐	*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	
☐	Agricultural Water Use Efficiency
☐	Urban water use efficiency
Improve Flood Management	
☐	Flood management
Improve Operational Efficiency and Transfers	
☐	Conveyance – regional/local
☐	System reoperation
☐	Water transfers
Increase Water Supply	

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

MEASURABLE OUTCOMES

Gallons per day produced; arsenic parts per billion reduced.

LOCAL PLANNING DOCUMENTS

An engineering report and the environmental initial study are complete.

GREENHOUSE GAS EMISSIONS

Fill our and submit the Greenhouse Gas Emissions (GHG) Worksheet, which can be found at this link: http://featherriver.org/wp-content/uploads/2018/05/UFR-IRWMP_Project-Assessment-_Attachment-B_GHG-Analysis_11-25-15.xlsx.

AND

Fill out and submit the Climate Change Project Analysis, which can be found at this link: http://featherriver.org/wp-content/uploads/2018/05/UFR-IRWMP_Project-Assessment_Attachment-A_Checklist_11-25-15.docx.

Attachment **5**

RESOLUTION NO. 21-22-01

**OF THE UPPER FEATHER RIVER REGIONAL WATER MANAGEMENT GROUP
APPROVING THE ADDITION OF THREE 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 Department of Water Resources approved the 2016 Upper Feather River Integrated Regional Water Management Plan on November 4, 2016; and

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

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 Sierra County Waterworks District No. 1 project applications known as "MS-49 New 140,000 Storage Tank", "MS-50 New Well and Treatment Facilities," and "MS-51 Well 1 Treatment Facility" submitted for consideration to be included in the 2016 Upper Feather River Integrated Regional Water Management Plan and has determined it 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 "MS-49 New 140,000 Storage Tank", "MS-50 New Well and Treatment Facilities," and "MS-51 Well 1 Treatment Facility" as implementation projects to be included in the 2016 Upper Feather River Integrated Regional Water Management Plan.

Passed and adopted this 11th day of March 2022, by consensus of a quorum of the Upper Feather River Regional Water Management Group.

SIGNED: _____

Sherrie Thrall, Chair, Upper Feather River Regional Water Management Group

ATTEST: _____

ITEM NO. 8

Upper Feather River
Integrated Regional Water Management

Regional Water Management Group Meeting
March 11, 2022

To: Upper Feather River Regional Water Management Group

From: Uma Hinman, Hinman & Associates Consulting

Subject: Upper Feather River IRWM Plan Implementation Report

DISCUSSION

a. Proposition 50 Post Performance Reports

The Upper Feather River Proposition 50 IRWM projects consisted of nine projects totaling approximately $7 million, which were completed in 2016. DWR requires three years of Post-Performance Reports (PPR) on seven of the projects, the first of which was submitted in April 2019.

The final round of PPRs were submitted to DWR and have been posted on the website: http://featherriver.org/plan-implementation-reports/. This completes the post project reporting requirements to DWR.

b. Upper Feather River IRWM Plan Implementation and Performance Report

Plan Performance describes the overall performance of the Plan in meeting its goals and objectives, both through implementation of individual projects and through the governance and operation of the Plan itself. While evaluating Plan Performance focuses on summarizing and integrating project-level assessments, it also involves evaluating the effectiveness of the Plan itself, as not all of the intended benefits of the Plan accrue through the implementation of individual projects.

The UFR IRWM Plan states that the Plan will be evaluated annually in a report to the RWMG and will focus on Plan Performance, including Plan implementation, progress toward meeting Plan objectives, Plan-level benefits, and implementation and outcomes of individual projects approved under the Plan.

After acceptance by the RWMG, the annual report on Plan Performance will be made available to the public on the RWMG website (http://www.featherriver.org). The annual report will provide the basis for discussion of how findings or "lessons learned" from Plan-level evaluation and project-specific monitoring efforts will be used to improve the RWMG's ability to implement future projects in the IRWM Plan. Consistent with Plan Chapter 11, data from individual project monitoring, to date consisting of Proposition 50 IRWM Implementation project Post Performance Reports, are made available to the public via the UFR IRWM website (http://www.featherriver.org).

If the annual report identifies a significant deficiency in Plan Performance, the RWMG may elect to hold public meetings or seek public comment on how implementation of the Plan, or the Plan itself, should be amended to better address regional issues. Amendments may include administrative changes, changes to the resource management strategies (RMS) (Chapter 6 Resource Management Strategies), or changes to the goals and objectives of the Plan itself. For example, after a review of the RWMG performance measures, the RWMG may need to amend the RMS or the actual IRWM objectives to account for new scientific data or regional changes in conditions that could alter baseline assumptions or understanding of water management issues discussed in the IRWM Plan.

The Plan further states that every five years as funding allows and in response to any of the following, the RWMG will review the Plan's content and, as needed, will update the water management issues, goals, objectives, ad strategies in the Plan area:

- each successive IRWM implementation grant solicitation;
- release of updated IRWM Guidelines by DWR;
- update to regulations; or
- emergence of new data, science, or awareness of changed regional conditions that affect the issues and priorities within the Region. "

The Upper Feather River IRWM Plan Performance Report will be provided during the meeting

STAFF RECOMMENDATION

Informational.