



## Governing Board Meeting

### **Agenda**

Friday, January 28, 2022 – 10:00 a.m.

**NOTE: Meeting will be held via Zoom**

15083 Camanche Parkway South, Valley Springs, CA 95252

#### ROLL CALL

#### PLEDGE OF ALLEGIANCE

**PUBLIC COMMENT:** When responding to a matter not on the agenda, state law limits a Board member to providing a brief response, asking clarifying questions, and/or referring it to staff.

#### AUTHORITY BUSINESS:

	<u>Recommended Action</u>
1. Board Meeting Minutes of October 1, 2021	Approve by Motion
2. Treasurer's Report – Fourth Quarter FY 2021	Accept for Filing
3. Forest Projects Report	Discussion/Possible Action
4. MAC Plan Update: Project List and Grant Opportunities	Approve by Motion
5. Mokelumne Watershed Maintenance Project	Discussion/Possible Action
6. Joint Powers Agreement Review	Discussion/Possible Action
7. Legislative Issues Update	Discussion/Possible Action

#### BOARD MEMBER COMMENTS:

8. Board Member Comments

#### EXECUTIVE OFFICER REPORT:

9. Executive Officer's Oral Report

#### ADJOURNMENT:

- Next Regular Board Meeting: April 22, 2022, at 1:30 p.m. (Location: TBD)

*Requests for disability-related modification or accommodation, including auxiliary aids or services, or to attend the meeting in person at a physical location, may be made to Lisa Stuart at 209.772.8261 or [lisa.stuart@ebmud.com](mailto:lisa.stuart@ebmud.com) no later than 24 hours before the meeting.*



Agenda No: **1**

Meeting Date: January 28, 2022

Title:

Meeting Minutes of October 1, 2021

Recommended Action:

Approve the special meeting minutes of October 1, 2021.

Summary:

The summary minutes of the October 1, 2021, meeting are included for Board review and approval.

Friday, October 1, 2021 – 10:00 a.m.  
Special Governing Board Regular Meeting  
Upper Mokelumne River Watershed Authority  
Jenny Lind Veterans Memorial District “Vets Hall”  
300 Daphne Street, Valley Springs, CA 95252

*Summary Minutes*

**ROLL CALL**

Directors John Coleman, Terry Woodrow, Gary Tofanelli, Richard Farrington, Richard Blood, Ed Gonzalez, and Jeff Davidson were present at the meeting. Absent: Brian Oneto. Also present were Executive Officer Richard Sykes, Administrative Officer Rob Alcott, and Authority Secretary Lisa (Stuart) Gualco, and 8 visitors and presenters.

**PUBLIC COMMENT** – none.

**AUTHORITY BUSINESS**

**1. Regular Meeting Minutes of July 23, 2021**

**Motion 16-21** to approve the regular meeting minutes of July 23, 2021, was made by Director Farrington, seconded by Director Woodrow and carried by roll call vote: Yea 5 – Nay 0 – Abstain 2.

**2. Treasurer’s Report – Third Quarter FY 2021**

A copy of the Treasurer’s Report for the Second Quarter of fiscal year 2021, which ended June 30, 2021, was presented to the Board. It was also noted that the CNRA invoice was recently forgiven due to a significant delay by the state in providing the final billing. This invoice was to be covered with funds from UMRWA’s reserve.

**Motion 17-21** to accept the Treasurer’s Report for filing was made by Director Davidson, seconded by Director Woodrow and carried by roll call vote: Yea 7 – Nay 0 – Abstain 0.

**3. Forest Projects Report**

The Forest Projects Report presents two Specific Project Agreements to facilitate the development of the Forest Projects Plan in cooperation with the Stanislaus and Eldorado National Forests; recommends the submittal of a grant applications to the California Wildlife Conservation Board and the Sierra Nevada Conservancy; and requests authorization to amend the KW Emerson contract cost ceiling by \$50,000 to utilize remaining unused project funds and possible additional funds from the National Fish and Wildlife Foundation (NFWF). NFWF contacted UMRWA with the offer of additional funds which can be applied to more culvert replacement work; however, that was prior to the Caldor Fire, and it is expected that the funds are no longer available. UMRWA may proceed with this work if funds should be procured, though it is unlikely.

**Motion 18-21** to (1) approve a Forest Projects Plan Specific Project Agreement (SPA) with Stanislaus National Forest and ratify the Executive Officer’s signature on that agreement; and approve and authorize the EO’s signature on a SPA for the Forest Projects Plan with Eldorado National Forest, (2) authorize staff to submit a grant application to the Wildlife Conservation Board for the Upper Mokelumne River Aspen Restoration and Wildlife

Defense Project, (3) authorize staff to submit a grant application to the Sierra Nevada Conservancy under the Regional Forest and Fire Capacity Program for tasks related to development of Phase 2 of the Forest Projects Plan and (4) authorize staff to amend the KW Emerson Contract to increase the contract cost ceiling by up to \$50,000 for additional culvert and road work if funds become available was made by Director Farrington, seconded by Director Woodrow and carried by roll call vote: Yea 7 – Nay 0 – Abstain 0.

#### 4. Legislative Issues Update

Director Farrington provided the Board with updates AB-697 recently signed by the governor. This bill was supported by UMRWA and broadens the use of funds collected under the state's Good Neighbor Authority with the US Forest Service. Director Farrington asked whether UMRWA is eligible to receive funds as a result of this bill. Director Farrington also noted that AB 1570 (technical assistance from Cal Fire) and SB 804 (Forestry Training/Conservation Corp) are on the governor's desk awaiting his action. Finally, Director Farrington discussed another bill pending the governor's action, AB 1346, which would direct the air board to prohibit the use of small gas engines including generators, chainsaws, etc. under specified conditions. Director Farrington noted that this could adversely affect UMRWA's forest health work. The board asked the EO for a memo on the fate of the bills UMRWA took a position on in 2021.

**Motion 19-21** directing the EO to submit a position letter on behalf of UMRWA requesting the Governor veto AB 1346, which the governor will need to sign by October 10, specifically calling out chainsaws, generators, and other equipment used in forestry, was made by Director Gonzalez, seconded by Director Davidson and carried by roll call vote: Yea 7 – Nay 0 – Abstain 0.

#### 5. Forest Program Planning Session

The Board reviewed the previous forest planning session in 2017, heard from the public on ideas for UMRWA's focus, and received a presentation from Megan Layhee on the progress of the GIS data collection process involving the Amador Calaveras Consensus Group. The Board was also provided a brief description of pyro-silviculture and an update on the other organizations and entities doing treatment work in and adjacent to the Mokelumne River Watershed.

Board members expressed support for the pyro-silviculture approach and the need to advocate at all levels for increased state and federal resources.

The EO discussed the recommended action to apply a portion of the UMRWA reserves to assist with work on the FPP and increase efforts to pursue funding.

Director Gonzalez asked about the amount of UMRWA's reserves and was directed to the Treasurer's Report provided in each board packet. Director Farrington suggested that we include the pyro-silviculture approach in the FPP.

Director Tofanelli exited the meeting, reducing the vote count to 6.

**Motion 20-21** to apply \$100,000 of reserves to pursue planning and implementation grants and to proceed with both phases of the FPP as fast as funding allows, was made by Director Davidson, seconded by Director Farrington and carried by roll call vote: Yea 6 – Nay 0 – Abstain 0.

Director Farrington suggested that we add support of the pyro-silvicultural approach to forest management on the January Board Meeting agenda as an action item. Director Farrington questioned whether other Member water agencies might be interested in exploring grant funding to address wildfire risks to local water and wastewater facilities. He noted planning grants could be available from Cal Fire for this purpose. He also suggested we consider providing a detailed report into the Governor's Forest Resiliency Initiative and how it can help us get work done in the Mokelumne Watershed.

Regine Miller noted that staff will explore potential forest health/wildfire preparedness funding via FEMA/Cal OES.

**Board Member Comments:**

Rich Farrington noted that drought relief grants are being considered by DWR and UMRWA should think about possible opportunities.

Ed Gonzalez commented that he felt storage issues were being ignored and feels UMRWA should be looking at more storage opportunities on the Mokelumne River tributaries.

John Coleman thanked Terry Woodrow for chairing the July 28<sup>th</sup> meeting and asked that board members contact the EO regarding their desire to start the next meeting at 10am instead of 1:30pm.

**Executive Officer Comments:**

The EO provided the Board with information on the DAC study draft and will provide the final at the January meeting. There will be a meeting with the regional participants within the month to update the projects list and there will be a draft feasibility study from Blue Forest Conservation on the forest resiliency projects available for the next meeting. The EO also explained that UMRWA's Conflict of Interest code draft is ready for review and will be emailed to members after the meeting.

**ADJOURNMENT:** Director Coleman adjourned the meeting at 12:45 p.m. The next regular meeting will be held on January 28, 2022, at the Vet's Hall in Valley Springs at 10:00 a.m.

**SUBMITTED BY:**

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Lisa Stuart, Authority Secretary

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John Coleman, Chair of the Board  
APPROVED: October 01, 2021



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Agenda No: **2**

Meeting Date: January 28, 2022

Title:

Treasurer's Report – Fourth Quarter FY 2021

Recommended Actions:

Accept for filing.

Summary:

A copy of the Treasurer's Report for the Fourth Quarter of fiscal year 2021, which ended September 30, 2021, is included here and will be presented at the Board meeting.

**UPPER MOKELUMNE RIVER WATERSHED AUTHORITY  
TREASURER'S REPORT  
STATEMENT FOR THE PERIOD ENDING SEPTEMBER 30, 2021**

Fiscal Year 2021 (beginning Oct. 1, 2020)	Assessment, Grants & USFS	Budget FY 2021	Actual		
			Current Quarter	YTD	YTD %
<b>General Assessments &amp; Operating Revenue</b>					
Amador Agencies Funding	35,044	35,044	-	35,044	100%
Calaveras Agencies Funding	41,546	41,546	-	41,546	100%
EBMUD Funding	81,910	81,910	-	81,910	100%
Member Agencies Contribution	158,500	158,500	-	158,500	100%
Prior Year Unspent/Carry forward	31,500	31,500	-	-	0%
Indirect Fee Revenues (Collected FY2020)	103,000	103,000	-	-	0%
Interest/Misc income	1,000	1,000	87	266	27%
Operating Reserve (Bal. \$408,444)	-	-	-	-	-
Misc Revenue	135,500	135,500	87	266	0%
<b>Total Assessments &amp; Operations Funding</b>	<b>294,000</b>	<b>294,000</b>	<b>87</b>	<b>158,766</b>	<b>54%</b>
<b>IRWM Grant Funding</b>					
CCWD - West Point WTP (Prop 1)	527,287	527,287	1,885	1,885	0%
Prop 1 Grant Administration	29,160	29,160	69,045	69,045	237%
<b>Forestry/Watershed Funding</b>					
US Forest Service (West Calaveras Thin)	115,305	115,305	3,586	102,909	89%
US Forest Service (Cabbage Patch)	-	-	1,081	833	-
Sierra Nevada Conservancy Grant 2 (Cabbage Patch)	51,354	51,354	25,678	45,282	88%
Sierra Nevada Conservancy Grant 3 (Black Springs w/ WCT)	490,514	490,514	96,108	372,196	76%
Sierra Nevada Conservancy Mapping Tool Grant	7,392	7,392	-	5,851	79.15%
Sierra Nevada Conservancy - Forest Projects Plan	200,000	200,000	6,101	6,101	3%
NFWF (Eldorado NF Culvert Upgrades)	610,909	610,909	132,282	476,148	78%
Sierra Nevada Conservancy Planning/NEPA Grant (pending)	150,000	150,000	-	-	0%
<b>Total Grants and Other Funding</b>	<b>2,181,921</b>	<b>2,181,921</b>	<b>335,766</b>	<b>1,080,250</b>	<b>50%</b>
<b>TOTAL REVENUES &amp; FUNDING</b>	<b>2,475,921</b>	<b>2,475,921</b>	<b>335,853</b>	<b>1,239,016</b>	<b>50%</b>
<b>ASSESSMENT EXPENDITURES</b>					
<b>General Assessment (Administration)</b>					
Executive Officer		50,000	11,449	37,729	75%
Administrative Officer		50,000	10,067	34,007	68%
Website Support (Woodard & Curran)		20,000	7,000	10,300	52%
<b>General Assessment (Operations)</b>					
MLLT - STE Watershed Program CY 2020&2021 (w/\$16,500 carry forward)		33,000	13,027	24,337	74%
Inter-agency Liaison & Board Support (LEI, Inc)		10,000	6,016	9,999	100%
Forest-related Grant Applications/Project Development		40,000	9,979	39,760	99%
Collaborative Forest Projects Plan		50,000	9,230	9,230	18%
IRWM Grant Application/Project Development		25,000	-	-	0%
MAC Projects Update 2020 (Woodard & Curran) (w/\$15,000 carry forward)		15,000	1,522	2,318	15%
<b>TOTAL ASSESSMENT EXPENDITURES</b>		<b>293,000</b>	<b>68,290</b>	<b>167,680</b>	<b>57%</b>
<b>GRANT and FORESTRY/WATERSHED FUNDING EXPENDITURES</b>					
<b>DWR Prop 1 Implementation Grant</b>					
CCWD - West Point WTP		527,287	-	-	0%
Woodard & Curran - invoicing & reporting		24,972	1,979	4,080	16%
WRA - agreement administration		4,000	-	-	0%
<b>Cabbage Patch Restoration Project</b>					
Landmark Environmental Inc.		3,459	2,931	12,594	364%
Contractors		41,117	21,200	30,881	75%
<b>Black Springs Restoration Project</b>					
Landmark Environmental Inc.		17,920	8,439	14,165	79%
Ronwright Logging Lumber Inc. (RFP 19-01)		88,635	-	59,850	68%
Greater Valley Conservation Corp		32,962	-	-	0%
Sierra Nevada Forestry Service		143,107	83,969	143,107	100%
<b>NFWF - Culvert Upgrade Project</b>					
Landmark Environmental Inc.		49,883	17,758	33,378	67%
KW Emerson, Inc.		581,082	200,518	536,577	92%
<b>West Calaveras Thin/Bailey Project</b>					
Tanner Logging, Inc.		165,350	-	142,800	86%
Landmark Environmental, Inc.		5,896	3,135	5,896	100%
<b>SNC - Mapping Tool Project</b>					
Landmark Environmental Inc.		6,265	355	6,265	100%
<b>SNC - Forest Projects Plan</b>					
Landmark Environmental Inc.		174,000	14,472	14,472	8%
<b>TOTAL GRANT EXPENDITURES</b>		<b>1,691,935</b>	<b>354,756</b>	<b>1,004,065</b>	<b>59%</b>
<b>Total Project Expenses</b>		<b>1,984,935</b>	<b>423,046</b>	<b>1,171,745</b>	<b>59%</b>



Title:

Forest Projects Report

Recommended Actions:

Authorize staff to submit grant applications for the FPP and forest health project implementation under CalFire's Fire Prevention and Forest Health Grant Programs, and under SNC's Wildfire and Forest Resilience Directed Grant Program.

Summary:

This Forest Projects Report includes a status update on the Authority's Forest Projects Plan initiative and an update on forest project grant opportunities. Also presented is a brief summary of CalFire's Wildfire Prevention Planning Grant program and its potential application to addressing wildfire risks to area water and wastewater infrastructure. The report concludes with what constitutes the final report on UMRWA's just-completed forest treatment work.

Forest Projects Plan:

As reviewed with the Board at the October 1st Planning Session, the number of remaining NEPA/CEQA certified projects currently eligible for fuels treatment implementation on USFS land in the Mokelumne Watershed is severely limited. To address this dearth of available projects UMRWA, with the USFS's support and active participation, is taking the lead in developing a Forest Projects Plan (FPP) for a large area of the Upper Mokelumne Watershed. This two-phased planning initiative will facilitate the completion of a NEPA/CEQA compliant landscape-scale fuel treatments and forest restoration program for the Upper Mokelumne River Watershed. On October 1st the Board re-iterated its support for completing the FPP and voted unanimously to allocate \$100,000 of UMRWA reserve funds to pursue planning and implementation grants and to proceed with both phases of the FPP as quickly as funding allows. Since the last UMRWA board meeting, staff have met with the El Dorado and Stanislaus National Forest staff several times to refine the FPP goal statement, the project scope and boundary, and the proposed actions for Phase 1.

Phase 1 will focus on straight-forward ladder fuels treatments and forest management actions that are widely supported and considered mutually agreeable by the Amador Calaveras Consensus Group (ACCG). Coverage for Phase 1 will be as large as possible but at least 10,000 acres. All required NEPA/CEQA actions will be completed as soon as possible to ensure that projects can be implemented as soon as state, federal or other funding is secured. Phase 2 will incorporate approximately 120,000 acres and include USFS lands within and adjacent to the Mokelumne Watershed. This phase will thin trees larger than 12 inches dbh and other forest treatment activities that are not included in



Phase 1 because they require significant filed surveys and will take more time and resources to complete the NEPA and CEQA analyses.

#### *FPP Process and Schedule–*

Several work groups have been organized to develop the FPP: the UMRWA FPP Plan Team, an Eldorado NF work group, and a Calaveras NF work group. The UMRWA team is responsible for coordinating the overall planning process, collecting relevant information and GIS data, preparing plan maps using the recently developed Mapping Tool, and conducting regular meetings with the two NF work groups. The UMRWA team is also responsible for facilitating input by the ACCG as the plan is developed. The UMRWA team generally meets weekly, with the two NF work groups typically meeting bi-monthly,

The goal is to complete the Phase 1 planning process and issue a NEPA Decision Memo (or other NEPA document) by September of this year. The first key milestone is the release of the Draft Proposed Action/Purpose and Need Statement. This draft document is scheduled to be released in March and will begin the required public scoping period. The USFS will be the lead agency for NEPA while UMRWA will be the lead agency for CEQA.

#### *FPP Goal Statement -*

Following is the draft FPP goal statement as developed by staff and the two NF work groups.

The goal of the Forest Projects Plan is to provide landscape level fire resilience and forest health to the National Forest lands located in the Mokelumne River watershed. The plan aims to complete environmental documentation and planning of forest health projects within the Amador and Calaveras Ranger Districts that, once implemented, will reduce the risks of significant effects of wildfire within this portion of the Mokelumne River watershed and improve the efficacy of fire suppression efforts to benefit adjacent communities. A two-phased effort is envisioned. Phase 1 will focus on straight-forward, relatively inexpensive, stewardship-type ladder fuels treatments and forest management actions that are widely supported and considered mutually agreeable by the Amador Calaveras Consensus Group (ACCG). Coverage for Phase 1 will be as large as possible but at least 10,000 acres. Phase 1 seeks to connect treatment areas to previously-treated areas to the extent possible, to promote widespread fuels treatment activities across the watershed and prepare the landscape for prescribed fire. All required NEPA and CEQA actions will be completed as soon as possible to ensure that projects can be implemented as soon as state, federal or other funding opportunities arise. Phase 2 will incorporate approximately 120,000 acres and include thinning of trees larger than 12 inches dbh and other forest treatment activities that are not included in Phase 1 because they require significant filed surveys and will take more time and resources to complete the NEPA and CEQA analyses.

#### *FPP Funding -*

To underwrite the significant costs for preparing a landscape-wide Forest Projects Plan for the region UMRWA has secured a \$200,000 SNC grant award. Additionally, UMRWA has

received a verbal indication of a pending award for a \$354,944 grant from SNC's Regional Forest and Fire Capacity Program. The formal application was submitted Dec. 28, 2021; an award decision is pending. Grants UMRWA has applied for, or is presently evaluating, are displayed in the table below.

Funder	Name of Program	FY Funding	Amount Applied for or Available	Application Deadline
<b>PENDING AND EXECUTED GRANT OPPORTUNITIES</b>				
WCB (Wildlife Conservation Board)	Forest Conservation Program	2021/2022 Proposition 68	\$649,400	Submitted 12/17/2021. Application pending.
SNC	Forest Health Grant Program	SNC anticipates \$3 million available for awards in the 2020–2021 and 2021–2022 grant cycle.	\$200,000	Agreement executed June 19, 2021.
SNC	Early Action Regional Forest and Fire Capacity (RFFCP)	Funding available in various amounts	\$354,944	Pending: Grant proposal submitted December 28, 2022. Verbal pre-approval by E. Brown November 21, 2021.
<b>UPCOMING GRANT OPPORTUNITIES</b>				
CALFIRE	Fire Prevention Grants	2022; up to \$120M	No Maximum	February 9, 2022 (annual cycle)
CALFIRE	Forest Health Grants	2022; up to \$120M	Min \$750,000 Max \$5 million	March 3, 2022
CalTrans	Environmental Enhancement and Mitigation Program	2021 \$13.4 million	\$500,000 Up to \$1M for acquisitions	Next round 2022
SNC	Forest Health Grant Program	SNC anticipates \$3 million available for awards in 2020–2021 and 2021–2022 cycles.	Not Specified	Concept Papers considered on quarterly basis.
SNC	Wildfire and Forest Resilience Directed Grant Program	\$25M, proposed. Second round of \$25M in June 2022.	Not Specified	January 31, 2022
WCB	Ecosystem Restoration on Agricultural Lands (ERAL)	Ongoing application process.	No cap. Projects less than \$250K more desirable. Those less than \$100K most desirable.	Continuous application
WCB	Habitat Enhancement and Restoration Program (General)	Ongoing application process.	No firm maximum or minimum established.	Continuous application

Wildfire Prevention Planning for Area Water and Wastewater Facilities:

At its October planning session, the Board briefly discussed CalFire’s Wildfire Prevention Planning Grant program and its potential application to addressing wildfire risks to area water and wastewater infrastructure. Director Farrington expressed concern that some of AWA’s critical infrastructure may be at high risk to damage from wildfire. He indicated that CalFire funding was available for planning fire prevention projects to protect water and wastewater facilities and asked if other agencies were interested in pursuing such funding. The deadline to file a Wildfire Prevention Planning Grant application with CalFire is 3:00 p.m. February 9. It now appears that the CalOES Fire Preparedness grant could fund work on UMRWA agency property for the purposes of protecting infrastructure from wildfire. The EO and staff are working with agency staff to determine their interest in being included in a grant application under this program. UMRWA plans to submit a Notice of Interest (NOI) for this grant program with Amador County being the applicant. The NOI is due on February 8th.

Forest Treatment Work:

The Board’s July 2018 award of four contracts to three contractors and the Greater Valley Conservation Corp (GVCC) marked the promising beginning of the Authority’s forest treatment project work. Three and one-half years and ten additional contracts later UMRWA’s forest treatment work is drawing to a close (temporarily we hope). Over this time more than 2,500 acres in the Upper Mokelumne watershed were treated under 14 awarded contracts using grant and federal funds in excess of \$1.8 million secured by UMRWA. The table below displays the treatment project names and associated contract information.

<b>UMRWA FOREST PROJECTS &amp; CONTRACTS</b>						
RFP #	Contractor	Contract Date	Amount	Scheduled Completion	Actual Completion	Total Acres
<b>PUMPKIN HOLLOW – COMPLETED</b>						
Various	Six (6) contractors	2017/2018	\$905,645	Dec. 2019	Nov. 2019	927.5
<b>CABBAGE PATCH – COMPLETED</b>						
Various	Three (3) contractors	July 2018	\$186,007	Dec. 2019	Nov. 2019	307.5
<b>BLACK SPRINGS – COMPLETED</b>						
Various	Three (3) contractors	July 2019	\$138,795	Dec. 2021	Dec. 2021	971.1
<b>FORE – COMPLETED</b>						
19-03	Ronwright	July 2019	\$ 180,907	Nov. 2020	Nov. 2020	131.3
<b>WEST CALAVERAS THIN/BAILEY – COMPLETED</b>						
20-03	Tanner Logging	August 2020	\$407,410	Dec. 2021	Dec. 2020	259.5
<b>PROJECT TOTALS</b>			<b>\$1,818,764</b>			<b>2,597</b>

Blue Forest Conservation Forest Resiliency Bond:

UMRWA staff have been working with Blue Forest Conservation (BFC) since the last board meeting to provide input to their draft Feasibility Study for a Forest Resilience Bond (FRB). BFC has not yet finalized the draft but expects to shortly and a presentation on the study will be made at the April UMRWA board meeting.



Meeting Date: January 28, 2022

Title:

MAC Plan Update: Project List and Grant Opportunities

Recommended Action:

- (1) Approve the updated MAC Plan Project list as an addendum to the MAC Plan.
- (2) Authorize staff to develop and submit applications for funding for 1) the Calaveras Public Utility District Jeff Davis Water Treatment Plant Backwash Recycle Project (with the Amador Water Agency Ione Canal Water Conservation Project as the back-up project) for the IRWM Round 2 Grant solicitation, and 2) the AWA Lake Camanche Water Service Replacement Phase IV and the Foothill Conservancy (FC) Amador Household Water Efficiency Project for the Multi-benefit Drought Funding Program.

Summary:

The Mokelumne-Amador-Calaveras (MAC) Plan was last updated in 2018. A primary purpose for that update was to bring the plan into conformance with revised state standards and thus be eligible for future Integrated Regional Water Management (IRWM) program grant funding opportunities. Also performed at that time was a streamlined review by the stakeholder Regional Participants Committee (RPC) of the MAC Plan Project List.

As authorized by the Board on January 24, 2020, a process administered by Woodard & Curran to update the MAC Plan implementation projects list has just been completed. The update process, which was guided by the Regional Participants Committee (the RPC is the MAC Plan stakeholder group) involved a series of steps including: a call for projects, an analysis of project readiness and benefits, the scoring and ranking of projects, and preparing an updated project list incorporating the new projects. The RPC met in October and December 2021 and January 2022 to perform this work and recommend projects for funding under DWR's IRWM Round 2 Grant solicitation and DWR's Multi-benefit Drought Funding Solicitation. Approximately \$500,000 is available to the MAC region under each of these funding opportunities.

Discussion:

An updated MAC Plan Project List containing 35 implementation projects has been completed. The projects were developed, reviewed, scored and documented over a four-month period. The RPC convened three times during this time to vet the projects and finalize the priority rankings.

In addition to updating the Project List the RPC evaluated these projects against the criteria for two pending grant funding programs administered by DWR – the IRWM Round 2 Grant Program and the 2022 Multi-benefit Drought Funding Program. At the RPC's January 10, 2022 meeting the following recommendations were made:

- IRWM Round 2 Funding Program – The Calaveras Public Utility District (CPUD) Jeff Davis Water Treatment Plant Backwash Recycle Project was selected as the primary project, with the Amador Water Agency (AWA) Ione Canal Water Conservation Project as the back-up project in case the CPUD project does not proceed.
- Drought Funding Program – The AWA Lake Camanche Water Service Replacement Phase IV and the Foothill Conservancy (FC) Amador Household Water Efficiency Project were both selected with the grant share percentages to be worked out by AWA and FC.

Brief descriptions of each of these projects will be provided at the January 28 Board meeting.

UMRWA staff is currently checking with DWR to confirm the eligibility of these projects under the two grant programs. Should one or more projects be determined to be ineligible or should one or more of the project proponents decide not to proceed prior to the board meeting, then the recommended UMRWA board action may be adjusted to ensure that there are MAC Region Projects identified for application for each of the two grant programs.

The draft 2022 MAC Plan Addendum which updates the project list is provided below.

# MAC Plan – 2022 Addendum Project List Update

January 2022

## Introduction

This addendum to the Mokelumne-Amador-Calaveras Integrated Regional Water Management Plan (MAC Plan) documents the changes to the Project List contained in the 2018 MAC Plan update. The primary purpose for updating the Project List is to better position the MAC Region to compete for additional grant funding associated with Proposition 1 (approved by California votes in November 2014) and other potential funding opportunities.

## Project List Update Process Summary

The Upper Mokelumne River Watershed Authority (UMRWA), the Regional Water Management Group (RWMG) began the update in October 2021 by engaging the MAC Plan Regional Participants Committee (RPC). The update process included confirming the scoring and prioritization process, revising the project proposal forms, conducting a ‘call for projects,’ screening and evaluating the submitted projects, presenting the evaluation results to the RPC, modifying and integrating project proposals to enhance project benefits and efficiencies, and finalizing the updated project list.

A call for projects was held between October 18, 2021 and November 15, 2021. A total of 22 Project Information Forms were submitted, which resulted in the addition of five projects and the updating of 17 projects. All 22 projects passed the initial screening. Additionally, 17 projects were removed at the request of the respective Project Proponent, either because the project had already been completed or it was no longer a priority for the Project Proponent. Three RPC meetings were conducted, all held virtually due to the COVID-19 pandemic. Table 1 below presents the update process steps and timeline.

**Table 1 – MAC Plan Project List Update 2022**

Activity	Timeline
<u>RPC Meeting #1</u> : Approved work activities and schedule.	October 18, 2021
“Call for Projects” issued which included Project Proposal forms and instructions for completed the forms. The call for projects targeted new project proposals and updates to projects contained in the 2018 MAC Plan.	October 18, 2021
Call for Projects is closed and projects are analyzed, which included scoring and ranking projects for the MAC Plan and conducting screening to identify potential projects for Proposition 1, Round 2 funding.	November 15, 2021
<u>RPC Meeting #2</u> : Reviewed and approved updated project list, discussed project funding for Proposition 1, Round 2.	December 20, 2021
<u>RPC Meeting #3</u> : Discussed, selected, and approved projects for Prop 1 Round 2 funding.	January 10, 2022
UMRWA adopted Addendum and approved RPC funding recommendations.	January 28, 2022

## RPC Membership

In conjunction with the initiative to update the Project List, the RPC membership was reviewed and updated with the consent of the RPC. This resulted in several new members being added and several members being removed. The current list of RPC members is listed in Table 2 below.

**Table 2 – RPC Membership**

Member	Representative(s)
Amador Fire Safe Council	Jan Bray
Amador Resource Conservation District	Amanda Watson
Amador Tuolumne Communication Action Agency	Joe Bors; Craig Case
Amador Water Agency	Larry McKenney; Rick Ferriera; Rich Farrington
Calaveras Amador Forestry Team	Pat McGreevy
Calaveras County Water District	Michael Minkler; Brad Arnold; Charles Palmer
Calaveras Public Utility District	Travis Small; John Kingsbury; Richard Blood
East Bay Municipal Utility District	Dave Briggs; Mike Tognolini; Susan Teefy
Foothill Conservancy	Megan Fiske; Meredith Sierra
Jackson Valley Irrigation District	Ed Gonzales
Pine Grove Community Services District	Lori Arnberg
United States Forest Service	Rick Hopson (Amador Ranger District); Ray Cablayan (Calaveras Ranger District)
Upper Mokelumne River Watershed Authority	Richard Sykes; Rob Alcott

## Updated Project List

The updated Project List is presented below in Table 3, with its 2022 status indicated in the fourth column. The final scoring and prioritization of the 35 projects included in the Plan are presented in the Appendix.

**Table 3 – Project List Update 2022**

Project No.	Sponsor Agency	Project Name	2022 Project Status	Project Type	Capital Cost
1	ARCD	Soil Health & Climate Resilient Agriculture Education	No Change	Planning	\$70,000
2	AWA	Groundwater Banking Conjunctive Use Study	Removed	Planning	\$200,000
3	AWA	Groundwater Capacity in Amador Count	Removed	Planning	\$300,000
4a	AWA	Amador Canal Water Conservation Project	Updated	Planning and Implementation	\$500,000
4b	AWA	Ione Canal Water Conservation Project	New Project	Implementation	\$500,000
5	AWA	PG&E Storage Recovery	Removed	Planning	\$100,000
6	AWA	Lower Bear River Reservoir Expansion Study	Removed	Planning	\$200,000
7	AWA	Surface Storage Feasibility Study	Updated	Planning	\$250,000
8	AWA	Lake Camanche Recycling Water Project	Removed	Implementation	\$14,000,000
9	AWA	Amador Water Agency System Computer Modeling	Removed	Implementation	\$70,000
10	AWA	Amador Water Agency Master Plan	Removed	Planning	\$250,000
11	AWA	Highway 88 Corridor Sewer Trunk Line Study	Removed	Planning	\$50,000



Project No.	Sponsor Agency	Project Name	2022 Project Status	Project Type	Capital Cost
12	AWA	Camanche Area Regional Water Supply Project Phase II (CARWSP II)	Updated	Planning and Implementation	\$6,500,000
13	AWA	Ione Treatment Relocation Planning Study	Updated	Planning	\$500,000
14	AWA	Upper-Lower Water System Reliability Intertie Project	Updated	Planning	\$300,000
15	AWA	Lake Camanche Transmission Main Planning Project	Updated	Planning	\$500,000
16	AWA	Amador Water Agency Low Pressure Fire Flow Improvements	Removed	Planning	\$2,000,000
17	AWA	CAWP Fire Protection Project	Removed	Planning	\$150,000
18	AWA	Mt. Crossman Tanks Replacement and Consolidation Project	Updated	Implementation	\$11,298,427
19	AWA	Ione Clearwell Cover Hypalon Replacement Project	Updated	Implementation	\$500,000
20	AWA	Lake Camanche Water Service Replacement – Phase IV	Updated	Implementation	\$600,000
21	AWA	Amador Water Agency Treated Water Supply Study	Updated	Planning	\$100,000
22	AWA	Community Leachfield Groundwater Nitrate Study	Updated	Planning	\$100,000
23	AWA	Martell Wastewater Lift Station Reduction Project	Updated	Implementation	\$150,000

Project No.	Sponsor Agency	Project Name	2022 Project Status	Project Type	Capital Cost
24	AWA	Regional Wastewater Treatment and Recycling Project	Updated	Planning and Implementation	\$100,000
25	AWA	Lake Camanche Regional Wastewater System	Updated	Planning and Implementation	\$17,100,000
26a	AWA	Tanner Water Treatment Plant and Tanner Filter Media Replacement Project	New Project	Implementation	\$430,000
26b	AWA	Tanner Water Treatment Plan PLC Upgrade Project	Updated	Implementation	\$250,000
27	AWA	Water Storage Reoperation Study	Removed	Planning	\$50,000
28	AWA	SGMA Implementation for Amador County	Removed	Planning	\$100,000
29	AWA	Fishery Habitat Improvements	Removed	Planning	\$100,000
30	AWA	New York Ranch Reservoir Conservation Management	Updated	Planning	\$150,000
31	AWA	MAC Conservation Program Implementation	Removed	Implementation	\$1,664,000
32	CCWD	Sheep Ranch Drinking Water Treatment & Distribution Compliance Project	No Change	Implementation	\$4,000,000
33	CCWD	West Point Automated Meter Reading Project	No Change	Planning and Implementation	\$500,000
34	CCWD	West Point Water Treatment Plant Drinking Water Compliance Project	No Change	Implementation	\$1,250,000

Project No.	Sponsor Agency	Project Name	2022 Project Status	Project Type	Capital Cost
35	CCWD	Wilson Dam Meadow Restoration and Habitat Enhancement Plan	No Change	Planning	\$290,000
36	Foothill	Amador Household Water Efficiency Project	No Change	Planning and Implementation	\$695,000
37	Foothill	Mokelumne High Country Meadow Restoration	Updated	Planning	\$1,500,000
38	Foothill	Riparian Noxious Weed Abatement Plan	No Change	Planning	\$25,000
39	Foothill	Restoring the Upper Mokelumne's Anadromous Fish	Removed	Planning and Implementation	\$2,100,000
40	Foothill	Upper Mokelumne Watershed Landowner Guide	No Change	Planning	\$50,000
41	Jackson	Jackson Creek Sewer Line Relocation – Conceptual Design/Feasibility Study	No Change	Planning	\$200,000
42	UMRWA	Hemlock Forest Restoration Water Yield Project Study	No Change	Planning	\$0 (Previously Funded)
43	UMRWA	MAC Region DAC Small Communities Water and WW Needs Assessment	Removed	Planning	\$200,000
44	UMRWA	North Fork Mokelumne Watershed Erosion Control & Water Quality Restoration Plan	No Change	Planning	\$225,000
45	UMRWA	North Fork Mokelumne Watershed Erosion Control & Water Quality Restoration Project	No Change	Implementation	\$2,000,000

Project No.	Sponsor Agency	Project Name	2022 Project Status	Project Type	Capital Cost
46	UMRWA	Upper Mokelumne Erosion and Water Quality Assessment and Restoration Plan	No Change	Planning	\$250,000
47	CAFT	South Fork Mokelumne River Watershed Program	Removed	Implementation	\$64,990
48	CPUD	Jeff Davis Water Treatment Plant Backwash Recycle Project	New Project	Planning and Implementation	\$2,000,000
49	CCWD	Middle Fork Pump Station Retrofit and Raw Water Pipeline Replacement Project – Phased	New Project	Implementation	\$3,920,000
50	AWA	Rehabilitation and Expansion of Reservoirs – Twin, Meadow, Upper & Lower Blue, and Upper & Lower Bear Lakes	New Project	Planning	\$150,000

**MAC IRWMP**  
Project Review Process Results

#	General Project Information			Tier 1, Step 1 Screening			Tier 1, Step 2 Screening		Tier 2, Step 2 Prioritization											
	Entity	Project Name	Project Status	Total Goals	Total State-wide Priors.	Result	Total RMS	Result	Econ. Benefit	Goals Addressed	Technical Feasibility	Multi-Agency Benefits	Climate Change Adaptation Benefit	Climate Change Mitigation Benefit	DAC Benefits	Native American Tribal Benefits	No EJ Concerns	Impl. Risk	Best Project for Intended Purpose	Result
1	ARCD	Soil Health & Climate Resilient Agriculture Education Program	Planning/Initial Study	5	1	PASS	3	PASS	High	High	High	Low	Medium	High	Low	Low	High	High	High	Medium
4a	AWA	Amador Canal Water Conservation Project	Planning/Initial Study	9	7	PASS	14	PASS	High	High	High	Low	High	Medium	Medium	Medium	High	High	High	High
4b	AWA	Ione Canal Water Conservation Project	In Design	9	7	PASS	14	PASS	High	High	High	Low	High	Medium	Medium	Medium	High	High	High	High
7	AWA	Surface Storage Feasibility Study	Planning/Initial Study	7	7	PASS	10	PASS	High	High	High	High	High	Medium	Medium	Medium	High	Medium	Medium	High
12	AWA	Camanche Area Regional Water Supply Project Phase II (CARWSP II)	Conceptual Design	5	7	PASS	10	PASS	High	High	High	Medium	Low	Low	High	Low	High	High	High	Medium
13	AWA	Ione Treatment Relocation Planning Study	Conceptual Design	4	7	PASS	7	PASS	High	Medium	High	High	Low	Low	Medium	Low	High	High	High	Medium
14	AWA	Upper-Lower Water System Reliability Intertie Project	Planning/Initial Study	3	3	PASS	3	PASS	High	Medium	High	High	High	Low	Medium	Medium	High	Medium	High	Medium
15	AWA	Lake Camanche Transmission Main Planning Project	Planning/Initial Study and In Environmental	6	7	PASS	6	PASS	High	High	High	Medium	Low	Medium	Medium	Low	High	High	High	Medium
18	AWA	Mt. Crossman Tanks Replacement and Consolidation Project	Conceptual Design	7	4	PASS	3	PASS	High	High	High	High	High	High	Medium	Low	High	High	High	High
19	AWA	Ione Clearwell Cover Hypalon Replacement Project	In Design	4	4	PASS	3	PASS	High	Medium	High	High	Medium	Medium	Medium	Medium	High	High	High	High
20	AWA	Lake Camanche Water Service Replacement – Phase IV	Design Complete	6	6	PASS	9	PASS	High	High	High	Low	High	Low	High	Low	High	High	High	High
21	AWA	Amador Water Agency Treated Water Supply Study	Planning/Initial Study	8	7	PASS	14	PASS	High	High	High	Low	Medium	Low	High	Medium	High	High	High	High
22	AWA	Community Leachfield Groundwater Nitrate Study	Planning/Initial Study	8	7	PASS	13	PASS	High	High	High	Low	High	Medium	Medium	Low	High	High	High	High
23	AWA	Martell Wastewater Lift Station Reduction Project	Planning/Initial Study	6	6	PASS	7	PASS	High	High	High	Low	Low	High	Medium	Low	High	High	High	Medium
24	AWA	Regional Wastewater Treatment and Recycling Project	Conceptual Design	8	7	PASS	16	PASS	High	High	High	High	High	Medium	Medium	Low	High	High	High	High
25	AWA	Lake Camanche Regional Wastewater System	Conceptual Design	8	7	PASS	14	PASS	High	High	High	Medium	High	Low	High	Low	High	High	High	High
26a	AWA	Tanner Water Treatment Plant Tanner Filter Media Replacement Project	In Design	6	5	PASS	7	PASS	High	High	High	High	Medium	Low	High	Medium	High	High	High	High
26b	AWA	Tanner Water Treatment Plant PLC Upgrade Project	In Design	6	7	PASS	7	PASS	High	High	High	High	Medium	Low	High	Medium	High	High	High	High
30	AWA	New York Ranch Reservoir Conservation and Management	Planning/Initial Study	7	8	PASS	16	PASS	High	High	High	Medium	Medium	Low	Medium	Medium	High	Medium	High	Medium
32	CCWD	Sheep Ranch Drinking Water Treatment & Distribution Compliance Project	Design Complete	3	3	PASS	12	PASS	Medium	Medium	High	Low	High	Low	High	Low	High	High	High	Medium
33	CCWD	West Point Automated Meter Reading Project	Conceptual Design	4	2	PASS	2	PASS	High	Medium	High	Low	Low	Medium	High	Low	High	High	High	Medium
34	CCWD	West Point Water Treatment Plant Drinking Water Compliance Project	Design Complete	3	1	PASS	3	PASS	High	Medium	High	Low	Medium	Low	High	High	High	High	High	Medium
35	CCWD	Wilson Dam Meadow Restoration and Habitat Enhancement Plan	Planning/Initial Study	5	3	PASS	3	PASS	High	High	High	Low	High	Low	High	Low	High	High	High	Medium
36	Foothill	Amador Household Water Efficiency Project	Conceptual Design	6	3	PASS	3	PASS	High	High	High	Low	High	High	Medium	Medium	High	High	High	High
37	Foothill	Mokelumne High Country Meadow Restoration	Planning/Initial Study	8	3	PASS	8	PASS	High	High	High	Medium	Medium	High	Medium	Medium	High	High	High	High
38	Foothill	Riparian Noxious Weed Abatement Plan	Planning/Initial Study	3	1	PASS	6	PASS	High	Medium	High	Medium	High	Low	Medium	Medium	High	High	High	High
40	Foothill	Upper Mokelumne Watershed Landowner Guide	Planning/Initial Study	7	1	PASS	11	PASS	High	High	High	High	Medium	Medium	Medium	Medium	High	High	High	High
41	Jackson	Jackson Creek Sewer Line Relocation - Conceptual Design/Feasibility Study	Planning/Initial Study	2	3	PASS	3	PASS	Medium	Medium	High	Low	Low	Low	High	Low	High	High	High	Medium
42	UMRWA	Hemlock Forest Restoration Water Yield Project Study	Environmental Review Complete	5	3	PASS	3	PASS	High	High	High	High	High	Low	Medium	Medium	High	High	High	High
44	UMRWA	North Fork Mokelumne Watershed Erosion Control & Water Quality Restoration Plan	Planning/Initial Study	4	3	PASS	6	PASS	High	Medium	High	High	Low	Low	Medium	Medium	High	High	High	Medium
45	UMRWA	North Fork Mokelumne Watershed Erosion Control & Water Quality Restoration Project	Planning/Initial Study	4	3	PASS	6	PASS	Medium	Medium	High	High	Low	Low	Medium	Medium	High	High	High	Medium
46	UMRWA	Upper Mokelumne Erosion and Water Quality Assessment and Restoration Plan	Planning/Initial Study and Conceptual Design	5	4	PASS	10	PASS	High	High	High	High	Medium	Low	Medium	Medium	High	High	High	High
48	CPUD	Jeff Davis Water Treatment Plant Backwash Recycle Project	Planning/Initial Study	8	8	PASS	7	PASS	High	High	High	Medium	High	Medium	Medium	Low	High	Medium	High	High
49	CCWD	Middle Fork Pump Station Retrofit and Raw Water Pipeline Replacement Project - Phased	Conceptual Design (Phase 3) and Design Complete (Phase 1 & 2)	5	3	PASS	4	PASS	High	High	High	Low	High	Low	Medium	Medium	High	Medium	High	Medium
50	AWA	Rehabilitation and Expansion of Reservoirs - Twin, Meadow, Upper & Lower Blue, and Upper & Lower Bear Lakes	Planning/Initial Study	6	6	PASS	4	PASS	High	High	High	High	High	Low	Medium	Medium	High	Medium	High	High



Title:

Mokelumne Watershed Routine Maintenance Project (Presentation)

Recommended Action:

For information/discussion

Summary:

East Bay Municipal Utility District routinely performs maintenance activities within the Mokelumne Watershed. These routine maintenance activities are subject to California Department of Fish and Wildlife (CDFW) jurisdiction under Fish and Game Code Section 1602. Accordingly, the District must periodically obtain a new Routine Maintenance Agreement (RMA) for continuation of maintenance work performed within CDFW jurisdictional areas. Completion of CEQA is required as a condition for receiving a new RMA. On November 23, 2021, the EBMUD Board of Directors adopted the Final Mitigated Negative Declaration (MND) for the Mokelumne Watershed Routine Maintenance Project. Below is a summary of the district's routine watershed maintenance work and the environmental review that was completed as a condition for receiving an updated RMA.

Discussion:

The Mokelumne Watershed Routine Maintenance Project involves continued maintenance activities including sediment and debris removal; vegetation management; facilities maintenance; erosion prevention, control, repair, and protection; and environmental stewardship activities. Routine maintenance activities under the jurisdiction of Fish and Game Code Section 1602 were previously covered by an RMA between April 2010 and April 2020. This project provides the permitting coverage that allows EBMUD to continue its routine maintenance activities within the Mokelumne Watershed to protect critical infrastructure and natural resources.

A MND was completed for the project in August 2021. The MND determined that project-related maintenance activities could potentially generate environmental impacts to air quality, biological and cultural resources, geology and soils, hazards and hazardous materials, hydrology and water quality, noise, tribal cultural resources, and wildfire. The MND identified mitigation measures to reduce potentially significant impacts to less than significant. Key mitigation measures include compensatory habitat mitigation for special-status species, riparian or wetland habitat restoration or compensation, and adherence to Mokelumne Watershed standard practices and procedures that were designed to ensure that District activities avoid environmental impacts.

Michelle Workman, EBMUD's Manager of Fisheries and Wildlife, will provide a presentation on the RMA at the January 28 Board meeting.



Agenda No: **6**

Meeting Date: January 28, 2022

Title:

Joint Powers Agreement Review

Recommended Action:

For discussion and possible action

Summary:

At the invitation of UMRWA Director Gonzalez, staff made a presentation on November 17th to the Calaveras-Amador Mokelumne River Association (CAMRA) on the history of UMRWA and the Authority's recent and ongoing projects. During the discussion following the presentation UMRWA staff was asked by Director Gonzalez and fellow Director (and CAMRA board member) Garamendi to include an UMRWA January Board meeting agenda item that allows discussion of the current JPA agreement.

Discussion:

The Authority presently operates under the terms of the Second Amended Joint Exercise of Powers Agreement dated June 6, 2008. Periodically staff and the Board discuss the advisability of updating of the Authority's Joint Powers Agreement to reflect new Authority initiatives and to remove outdated provisions. For example, it has been suggested that the UMRWA's stated purpose in the JPA be augmented to include 'wildfire and fuels management and forest health'. Another suggested revision is the removal of JPA provisions related solely to acquiring and operating PG&E's Mokelumne Hydroelectric Project.

It is noted that the current version of the JPA agreement is viewed as being sufficient for UMRWA to perform current programs and related work activities.



Agenda No: **7**

Meeting Date: January 28, 2022

Title:

Legislative Issues Update

Recommended Action:

For discussion and possible action – legislative matters discussed by the Board.

Summary:

Last year UMRWA supported three bills and recommended that Governor Newsom veto one bill. In October 2021, staff submitted a memo to the board on the fate of each of those bills. There are about 1,500 bills still active in the current state legislative session and an expected 2,000 bills to be newly introduced this year. UMRWA staff are awaiting the deadline for new bills to perform a review of what might be of interest for UMRWA. Certainly, an area of key interest will be funding for UMRWA's programs that might be available in upcoming state and federal budgets.

SB 901 (Dodd) which passed in 2018 provided a CEQA exemption for specified forest fuels management work on federal lands if that work had undergone NEPA review. That exemption expires at the end of this year. It has been used on for several UMRWA projects which has allowed these projects to proceed more quickly and at less cost. UMRWA staff have determined that Senator Dodd is not planning to introduce new legislation to extend that exemption. Staff are exploring whether other legislators have an interest in authoring legislation to extend the exemption.



## **Infrastructure Investment and Jobs Act**

The following information is excerpted from a memo to the EBMUD board in December 2021 regarding the Infrastructure Investment and Jobs Act. This information may be of interest to UMRWA member agencies. Note that implementation of the act is in progress and it may be several months before funding and other programs are available.

On November 15, President Biden signed the \$1.2 trillion Infrastructure Investment and Jobs Act (IIJA) into law. The IIJA focuses on transportation, energy, broadband, water and wastewater infrastructure and is a combination of new spending and repurposing unspent COVID-19 funds with approximately \$550 million representing new spending above current baseline funding levels.

### *Drinking Water*

The IIJA provides \$11.7 billion for the DWSRF over five years, with \$1.901 billion in FY22, \$2.202 billion in FY23, \$2.403 billion in FY24, and \$2.603 billion each in FY25 and FY26. This represents a significant increase over recent funding levels, which averaged about \$1.1 billion annually between FY17 and FY21. Other changes to the DWSRF for FY22 and FY23 include a requirement that 49 percent of funding be in the form of grants or loans with principal forgiveness, and a lowering of the required state match from 20 to 10 percent.

The IIJA also includes an additional \$15 billion through the DWSRF to address lead line replacement, an additional \$4 billion through the DWSRF to address emerging contaminants in drinking water with a focus on Per- and Polyfluoroalkyl Substances (PFAS), and \$5 billion through the Small, Underserved, and Disadvantaged Communities Grant Program to help small and disadvantaged communities with emerging contaminants.

### *Wastewater*

The IIJA increases funding for the CWSRF with \$11.7 billion allocated over five years, in the same amounts and terms as the DWSRF. For comparison, recent CWSRF funding levels have averaged \$1.6 billion annually between, FY17 and FY21. The IIJA also includes an additional \$1 billion through the CWSRF to address emerging contaminants.

### *Western Water*

The IIJA appropriates over \$8 billion in new funding for the U.S. Bureau of Reclamation for western water infrastructure, including repairing aging dams and canals, building new surface and groundwater storage and conveyance facilities, and funding water conservation and recycling projects. With regard to recycling projects, the measure includes \$450 million for a new competitive grant program that would cover up to 25 percent of the cost of western water recycling and large-scale reuse projects that are expected to cost more than \$500 million.

### *Water and Wastewater Needs Assessment and Pilot Program*

The IIJA contains provisions to establish a needs assessment for nationwide rural and urban low-income community water assistance. The Administrator of U.S. EPA will conduct the needs assessment to examine the prevalence of households who use a disproportionate amount of their income on access to drinking water or wastewater services across rural, medium, and large water service providers. The Rural and Low-Income Water Assistance Pilot Program, established by the IIJA, will provide 40 grants per year to utilities to assist low-income ratepayers.

### *Wildfire Risk Reduction*

The IIJA contains over \$3.36 billion directed to the U.S. Forest Service and U.S. Department of the Interior over the next five years to reduce the threat of wildfire on federal lands with federal assistance to support collaborative, landscape-scale, forest management projects that include mechanical treatments, prescribed burns, and watershed protection. Areas of potential funding eligibility for the District and/or the Upper Mokelumne River Watershed Authority are summarized below.

\$100 million is dedicated to Collaborative Forest Landscape Restoration Program, established in 2009. The IIJA specifies that priority for projects under the Program must be identified as having very high wildfire hazard potential, and that are located in the wildland-urban interface or a public drinking water source area, among other criteria. Also included is \$2.1 billion over five years for ecosystem restoration through Good Neighbor Agreements, invasive species eradication, cross-boundary management projects, and stewardship contracts. In addition, the U.S. Department of Agriculture will have the authority to determine when an emergency exists in national forests, which will allow for expanded forest management activities to be conducted on the National Forest System to meet the emergency threat.