



**AGENDA**  
**REGULAR MEETING OF THE BOARD OF DIRECTORS**  
District Board Room, 2890 Mosquito Road, Placerville, California  
February 26, 2024 — 9:00 A.M.

## Board of Directors

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**Alan Day—Division 5**  
President

**Pat Dwyer—Division 2**  
Vice President

**George Osborne—Division 1**  
Director

**Brian K. Veerkamp—Division 3**  
Director

**Lori Anzini—Division 4**  
Director

## Executive Staff

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**Jim Abercrombie**  
General Manager

**Brian D. Poulsen**  
General Counsel

**Jennifer Sullivan**  
Clerk to the Board

**Jesse Saich**  
Communications

**Brian Mueller**  
Engineering

**Jamie Bandy**  
Finance

**Jose Perez**  
Human Resources

**Aaron Kennedy**  
Information Technology

**Dan Corcoran**  
Operations

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**PUBLIC COMMENT:** Anyone wishing to comment about items not on the Agenda may do so during the public comment period. Those wishing to comment about items on the Agenda may do so when that item is heard and when the Board calls for public comment. Public comments are limited to five minutes per person.

**PUBLIC RECORDS DISTRIBUTED LESS THAN 72 HOURS BEFORE A MEETING:** Any writing that is a public record and is distributed to all or a majority of the Board of Directors less than 72 hours before a meeting shall be available for immediate public inspection in the office of the Clerk to the Board at the address shown above. Public records distributed during the meeting shall be made available at the meeting.

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**AMERICANS WITH DISABILITIES ACT:** In accordance with the Americans with Disabilities Act (ADA) and California law, it is the policy of El Dorado Irrigation District to offer its public programs, services, and meetings in a manner that is readily accessible to everyone, including individuals with disabilities. If you are a person with a disability and require information or materials in an appropriate alternative format, or if you require any other accommodation for this meeting, please contact the EID ADA coordinator at 530-642-4045 or email at [adacoordinator@eid.org](mailto:adacoordinator@eid.org) at least 72 hours prior to the meeting. Advance notification within this guideline will enable the District to make reasonable accommodations to ensure accessibility.

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## **PUBLIC PARTICIPATION INSTRUCTIONS**

### **Instructions to join the Board Meeting by telephone only**

No accompanying computer or mobile device is required. This option will allow participants to listen to Board meeting audio and address the Board during public comment periods by pressing \*9 on the telephone keypad.

Dial **1.669.900.6833** and enter Meeting ID **945 6360 8941** when prompted.

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## **CALL TO ORDER**

Roll Call  
Pledge of Allegiance  
Moment of Silence

## **ADOPT AGENDA**

## **COMMUNICATIONS**

General Manager's Employee Recognition

## **PUBLIC COMMENT**

## **COMMUNICATIONS**

General Manager

*Brief reports on District activities or items of interest to the public, including activities or developments that occur after the agenda is posted.*

Clerk to the Board

Board of Directors

*Brief reports on community activities, meetings, conferences and seminars attended by the Directors of interest to the District and the public.*

## **APPROVE CONSENT CALENDAR**

Action on items pulled from the Consent Calendar

## **CONSENT CALENDAR**

### **1. Clerk to the Board (Sullivan)**

Consider approving the minutes of the February 12, 2024, regular meeting of the Board of Directors.

Option 1: Approve as submitted.

Option 2: Take other action as directed by the Board.

Option 3: Take no action.

**Recommended Action:** Option 1.

**2. Engineering (Money)**

Consider authorizing additional funding of \$5,000 for engineering services and \$25,000 for capitalized labor for a total funding request of \$30,000 for the Flume 45 Abutment Replacement Project, Project No. 17025.01.

Option 1: Authorize additional funding of \$5,000 for engineering services and \$25,000 for capitalized labor for a total funding request of \$30,000 for the Flume 45 Abutment Replacement Project, Project No. 17025.01.

Option 2: Take other action as directed by the Board.

Option 3: Take no action.

**Recommended Action:** Option 1.

**3. Operations (Heape/Bertram)**

Consider authorizing additional funding in the amounts of \$60,000 for capitalized labor for the Federal Energy Regulatory Commission (FERC) C15 Pesticide Use Project, Project No. 07010H; \$103,256 for capitalized labor and \$296,744 for equipment and materials for a total of \$400,000 for FERC C57 Transportation System Management Plan Project No. 07030H; and \$55,000 for fees for FERC C51.5 and C51.7 RM U.S. Forest Service (USFS) Payments, Project No. 07006H.

Option 1: Authorize additional funding in the amounts of \$60,000 for capitalized labor for the FERC C15 Pesticide Use Project, Project No. 07010H; \$103,256 for capitalized labor and \$296,744 for equipment and materials for a total of \$400,000 for FERC C57 Transportation System Management Plan Project No. 07030H; and \$55,000 for fees for FERC C51.5 and C51.7 RM USFS Payments, Project No. 07006H

Option 2: Take other action as directed by the Board.

Option 3: Take no action.

**Recommended Action:** Option 1.

**END OF CONSENT CALENDAR**

**INFORMATION ITEMS**

**4. Engineering/Operations (Graham/Wilson)**

Unregulated Contaminant Monitoring Rule Cycle 5 Drinking Water Sampling Update.

**Recommended Action:** None – Information only.

## **ACTION ITEMS**

### **5. Finance (Lane)**

Consider ratifying EID General Warrant Registers for the periods ending February 6 and February 13, 2024, and Employee Expense Reimbursements for these periods.

Option 1: Ratify the EID General Warrant Registers and Employee Expense Reimbursements as submitted.

Option 2: Take other action as directed by the Board.

Option 3: Take no action.

**Recommended Action:** Option 1.

### **6. Engineering (Eden-Bishop)**

Consider approving a contract amendment to Water Works Engineers, Inc. in the not-to-exceed amount of \$29,951 for additional design services and authorize additional funding of \$100,111 for construction change orders and contingency, \$25,000 for construction management services, \$20,000 for inspection services, and \$15,000 for capitalized labor for a total funding request of \$190,062 for the Reservoir A Filter Valve Replacement Project, Project No. 22038.01.

Option 1: Approve a contract amendment to Water Works Engineers, Inc. in the not-to-exceed amount of \$29,951 for additional design services and authorize additional funding of \$100,111 for construction change orders and contingency, \$25,000 for construction management services, \$20,000 for inspection services, and \$15,000 for capitalized labor for a total funding request of \$190,062 for the Reservoir A Filter Valve Replacement Project, Project No. 22038.01.

Option 2: Take other action as directed by the Board.

Option 3: Take no action.

**Recommended Action:** Option 1.

## **CLOSED SESSION**

### **A. Conference with General Counsel – Anticipated Litigation (Poulsen)**

Government Code Section 54956.9(d)(2)

(one potential case: contractor claim regarding Flume 45 Abutment Project)

## **REVIEW OF ASSIGNMENTS**

## **ADJOURNMENT**

## **TENTATIVELY SCHEDULED ITEMS FOR FUTURE MEETINGS**

### **Engineering**

- Silver Lake Well Project construction contract and Capital Improvement Plan funding request, Action, March 11 (Kelsch)

### **Human Resources**

- Local Hazard Mitigation Plan adoption, Consent, March 11 (Newsom)

### **Office of the General Counsel**

- District Positions on Proposed State Legislation, Action, March 11 (Leeper)



**MINUTES**  
**REGULAR MEETING OF THE BOARD OF DIRECTORS**  
District Board Room, 2890 Mosquito Road, Placerville, California  
February 12, 2024 — 9:00 A.M.

**Board of Directors**

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**Alan Day—Division 5**  
President

**Pat Dwyer—Division 2**  
Vice President

**George Osborne—Division 1**  
Director

**Brian K. Veerkamp—Division 3**  
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## **CALL TO ORDER**

President Day called the meeting to order at 9:00 A.M.

### **Roll Call**

#### **Board**

Present: Directors Dwyer, Veerkamp, Anzini and Day

Absent: Director Osborne

#### **Staff**

Present: General Manager Abercrombie, General Counsel Poulsen and Board Clerk Sullivan

### **Pledge of Allegiance and Moment of Silence**

Director Day led the Pledge of Allegiance.

## **ADOPT AGENDA**

**ACTION:** Agenda was adopted.

### **MOTION PASSED**

Ayes: Directors Dwyer, Veerkamp, Anzini and Day

Absent: Director Osborne

## **COMMUNICATIONS**

### **Awards and Recognitions**

General Manager Abercrombie recognized EID staff member Don Holland.

## **PUBLIC COMMENT**

None

## **COMMUNICATIONS**

### **General Manager**

Elizabeth Leeper reported on the State Water Resources Control Board's grant of a time extension for Water Right Permit 21112.

### **Clerk to the Board**

None

### **Board of Directors**

Director Veerkamp reported his attendance at the recent El Dorado Local Agency Formation Commission meeting where he was appointed as Chair. He also reported that he completed ethics training through the California Special Districts Association.

Director Dwyer reported that he, in his role as the newly appointed District representative to El Dorado Water Agency (EDWA), and Director Veerkamp, serving as the newly appointed EDWA alternate, had a meeting with Rebecca Guo, EDWA General Manager.

Director Anzini reported that she attended the El Dorado County Chamber of Commerce Annual Awards and Installation Dinner.

## **APPROVE CONSENT CALENDAR**

**ACTION:** Consent Calendar was approved.

### **MOTION PASSED**

Ayes: Directors Anzini, Dwyer, Veerkamp and Day

Absent: Director Osborne

## **CONSENT CALENDAR**

### **1. Clerk to the Board (Sullivan)**

Consider approving the minutes of the January 22, 2024, regular meeting of the Board of Directors.

**ACTION:** Option 1: Approved as submitted.

### **MOTION PASSED**

Ayes: Directors Anzini, Dwyer, Veerkamp and Day

Absent: Director Osborne

### **2. Office of the General Counsel (Sarge)**

Consider adopting a resolution quitclaiming an unused easement to the landowners of Assessor Parcel No. 046-330-047.

Option 1: Adopted Resolution No. 2024-004 quitclaiming an unused easement to the landowners of Assessor Parcel No. 046-330-047.

### **MOTION PASSED**

Ayes: Directors Anzini, Dwyer, Veerkamp and Day

Absent: Director Osborne

**3. Engineering (DeLongchamp/Deason)**

Consider authorizing additional funding in the amounts of \$35,000 for capitalized labor and \$3,200 for water pollution control plan inspections for a total funding request of \$38,200 for the Diversion Facility Upgrades Project, Project No. 21008.01; \$20,000 for professional services for Federal Energy Regulatory Commission (FERC) C44 Noxious Weed Monitoring, Project No. 08025H; \$30,000 in capitalized labor for FERC C38 Adaptive Management, Project No. 07011H; \$10,000 for professional services for FERC C37.8 Water Temperature Monitoring, Project No. 06021H; \$60,000 for professional services and \$25,000 for laboratory services for a total funding request of \$85,000 for FERC C37.9 Water Quality, Project No. 07003H.

Option 1: Authorized additional funding in the amounts of \$35,000 for capitalized labor and \$3,200 for water pollution control plan inspections for a total funding request of \$38,200 for the Diversion Facility Upgrades Project, Project No. 21008.01; \$20,000 for professional services for Federal Energy Regulatory Commission (FERC) C44 Noxious Weed Monitoring, Project No. 08025H; \$30,000 in capitalized labor for FERC C38 Adaptive Management, Project No. 07011H; \$10,000 for professional services for FERC C37.8 Water Temperature Monitoring, Project No. 06021H; \$60,000 for professional services and \$25,000 for laboratory services for a total funding request of \$85,000 for FERC C37.9 Water Quality, Project No. 07003H.

**MOTION PASSED**

Ayes: Directors Anzini, Dwyer, Veerkamp and Day

Absent: Director Osborne

**4. Engineering (DeLongchamp)**

Consider awarding a contract to Water Works Engineers, LLC in the not-to-exceed amount of \$241,090 for design of the 2024 Collections System Rehabilitation Project and authorize additional funding of \$11,000 for on-call environmental services, \$10,000 for regulatory permitting application fees, \$65,000 for capitalized labor, and \$32,700 for contingencies for a total funding request of \$359,790 for the 2024 Collections System Rehabilitation Project, Project No. 24008.01.

Option 1: Awarded a contract to Water Works Engineers, LLC in the not-to-exceed amount of \$241,090 for design of the 2024 Collections System Rehabilitation Project and authorized additional funding of \$11,000 on-call environmental services, \$10,000 for regulatory permitting application fees, \$65,000 for capitalized labor, and \$32,700 for contingencies for a total funding request of \$359,790 for the 2024 Collections System Rehabilitation Project, Project No. 24008.01.

**MOTION PASSED**

Ayes: Directors Anzini, Dwyer, Veerkamp and Day

Absent: Director Osborne

**5. Office of the General Counsel (Leeper)**

Consider awarding on-call contracts to JLR Environmental Consultants, 4Leaf Inc. and Blackburn Consulting for as-needed construction inspection services from February 12, 2024 through December 31, 2025.

Option 1: Awarded on-call contracts to JLR Environmental Consultants, 4Leaf Inc. and Blackburn Consulting for as-needed construction inspection services from February 12, 2024 through December 31, 2025.

**MOTION PASSED**

Ayes: Directors Anzini, Dwyer, Veerkamp and Day

Absent: Director Osborne

**6. Engineering (Kelsch)**

Consider awarding a contract to Domenichelli and Associates, Inc. in the not-to-exceed amount of \$122,216 for design of the Strolling Hills Pipeline Improvements Project and authorize additional funding of \$50,000 for on-call environmental services, \$10,000 for regulatory permitting application fees, \$41,000 for capitalized labor, and \$21,000 for contingencies for a total funding request of \$244,216 for the Strolling Hills Pipeline Improvements Project, Project No.17046.01.

Option 1: Awarded a contract to Domenichelli and Associates, Inc. in the not-to-exceed amount of \$122,216 for design of the Strolling Hills Pipeline Improvements Project and authorized additional funding of \$50,000 for on-call environmental services, \$10,000 for regulatory permitting application fees, \$41,000 for capitalized labor, and \$21,000 for contingencies for a total funding request of \$244,216 for the Strolling Hills Pipeline Improvements Project, Project No.17046.01.

**MOTION PASSED**

Ayes: Directors Anzini, Dwyer, Veerkamp and Day

Absent: Director Osborne

**END OF CONSENT CALENDAR**

**ACTION ITEMS**

**7. Finance (Lane)**

Consider ratifying EID General Warrant Registers for the periods ending January 16, January 23, and January 30, 2024, and Employee Expense Reimbursements for these periods.

Option 1: Ratified the EID General Warrant Registers and Employee Expense Reimbursements as submitted.

**MOTION PASSED**

Ayes: Directors Anzini, Veerkamp, Dwyer and Day

Absent: Director Osborne

**8. Engineering (Carrington)**

Consider approving a contract amendment to Water Works Engineers, Inc. in the not-to-exceed amount of \$199,724 for additional engineering services and authorize additional funding in the amounts of \$200,000 for easement acquisitions and \$75,000 for capitalized labor for a total funding request of \$474,724 for the Sly Park Intertie Improvements Project, Project No. 21079.

Option 1: Approved a contract amendment to Water Works Engineers, Inc. in the not-to-exceed amount of \$199,724 for additional engineering services and authorized additional funding in the amounts of \$200,000 for easement acquisitions and \$75,000 for capitalized labor for a total funding request of \$474,724 for the Sly Park Intertie Improvements Project, Project No. 21079.

**MOTION PASSED**

Ayes: Directors Veerkamp, Dwyer, Anzini and Day

Absent: Director Osborne

**CLOSED SESSION**

**A. Conference with General Counsel – Real Property Negotiations**

Government Code Section 54956.8

Property: District water rights (including pre-1914, licensed and permitted, and contract-based rights (Central Valley Project Water Service Contract No. 14-06-200-1357A-LTR1; Warren Act Contract No. 06-WC-20-3315))

District negotiators: General Manager, General Counsel, Senior Deputy General Counsel

Under negotiation: price and terms of payment for purchase

Negotiating parties: any interested party

**ACTION:** The Board met and provided direction but took no reportable action.

**REVIEW OF ASSIGNMENTS**

None

**ADJOURNMENT**

President Day adjourned the meeting at 9:52 A.M.

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Alan Day  
Board President  
EL DORADO IRRIGATION DISTRICT

ATTEST

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Jennifer Sullivan  
Clerk to the Board  
EL DORADO IRRIGATION DISTRICT

Approved: \_\_\_\_\_

## EL DORADO IRRIGATION DISTRICT

**SUBJECT:** Consider authorizing additional funding of \$5,000 for engineering services and \$25,000 for capitalized labor for a total funding request of \$30,000 for the Flume 45 Abutment Replacement Project, Project No. 17025.01.

### PREVIOUS BOARD ACTION

July 25, 2022 – Board awarded a contract to Sierra Mountain Construction Inc. in the not-to-exceed amount of \$2,280,830 for construction of the Flume 45 Abutment Replacement Project and authorized additional funding of \$225,000 for capitalized labor, \$317,773 for construction engineering services, and \$282,360 in contingency for a total funding request of \$3,105,963 for the Flume 45 Abutment Replacement Project, Project No.17025.01.

November 14, 2022 – Board approved a change order to MCK Americas Inc. in the not-to-exceed amount of \$75,680 for construction management services for the Flume 45 Abutment Replacement Project, Project No. 17025.01.

October 23, 2023 – Board adopted the 2024–2028 Capital Improvement Plan (CIP), subject to available funding.

### BOARD POLICIES (BP), ADMINISTRATIVE REGULATIONS (AR) AND BOARD AUTHORITY

BP 3010 Budget

BP 5010 Water Supply Management

### SUMMARY OF ISSUE

Board approval is required to authorize CIP funding prior to staff proceeding with work on the projects.

### BACKGROUND/DISCUSSION

Staff requests funding for the CIP projects identified in Table 1. The expenditures to date, the amount of new funding requested, and the funding source are listed.

## CIP Funding Request

<b>Project No.</b>	17025	<b>Board Date</b>	2/26/2024
<b>Project Name</b>	Flume 45 Abutment Replacement Project		
<b>Project Manager</b>	Money		

<b>Budget Status</b>	<b>\$</b>	<b>%</b>
Funded to date	\$ 3,822,683	--
Spent and Encumbered to date	\$ 3,807,457	99%
<b>Current Remaining</b>	<b>\$ 15,226</b>	<b>1%</b>

<b>Funding Request Breakdown</b>	<b>\$</b>
Engineering Services	\$ 5,000
Capitalized Labor	\$ 25,000
<b>Total</b>	<b>\$ 30,000</b>

<b>Funding Source</b>
100% Water FCCs

<b>Description</b>
<p>This section of Flume 45 was an elevated wood flume approximately 300 feet in length and was last replaced in 1945. The replacement of this section of flume was approved by the Board in 2022 and substantially completed in 2023.</p> <p>This funding request is for support and participation from the District’s construction manager and capitalized labor to address a potential claim with the project contractor post-mediation efforts.</p>



**BOARD OPTIONS**

**Option 1:** Authorize additional funding of \$5,000 for engineering services and \$25,000 for capitalized labor for a total funding request of \$30,000 for the Flume 45 Abutment Replacement Project, Project No. 17025.01.

**Option 2:** Take other action as directed by the Board.

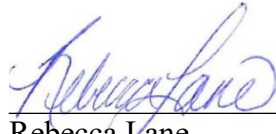
**Option 3:** Take no action.

**RECOMMENDATION**

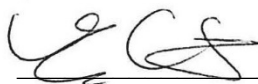
Option 1

**ATTACHMENTS**

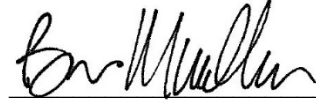
Attachment A: 2023 CIP Summary



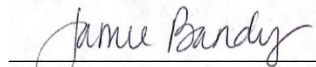
Rebecca Lane  
Finance and Accounting Manager



Jon Money  
Engineering Manager



Brian Mueller  
Engineering Director



Jamie Bandy  
Finance Director



Brian Poulsen  
General Counsel



Jim Abercrombie  
General Manager

2023

CAPITAL IMPROVEMENT PLAN Program:

Hydroelectric

**Project Number:** 17025  
**Project Name:** Flume 45 Abutment Replacement  
**Project Category:** Reliability & Service Level Improvements  
**Priority:** 1 **PM:** Dawson **Board Approval:** 11/14/22

**Project Description:**

This section of Flume 45 is an elevated wood flume approximately 100 feet in length and last replaced in 1945. This portion of the flume was constructed to span a section of the historic rock bench that had previously failed. An exemption on a small section of the historic rock wall has been obtained by the USFS to help in the replacement of this section of flume. In 2014 the District crews made interim repairs to ensure the continued safe operation. The replacement of this 100 foot section of flume was approved by the Board and is currently under construction and scheduled to be complete by the end of 2022 to flow water, with final completion by June of 2023.

**Basis for Priority:**

The flume replacement is under construction.

**Project Financial Summary:**

<b>Funded to Date:</b>	\$ 3,660,804	<b>Expenditures through end of year:</b>	\$ 3,390,804
<b>Spent to Date:</b>	\$ 405,620	<b>2023 - 2027 Planned Expenditures:</b>	\$ 270,000
<b>Cash flow through end of year:</b>	\$ 2,985,184	<b>Total Project Estimate:</b>	\$ 3,660,804
<b>Project Balance</b>	\$ 270,000	<b>Additional Funding Required</b>	\$ -

Description of Work	Estimated Annual Expenditures					Total
	2023	2024	2025	2026	2027	
Study/Planning/Env						\$ -
Geo/Design						\$ -
Construction	\$ 250,000					\$ 250,000
QCIP/Warranty	\$ 20,000					\$ 20,000
<b>TOTAL</b>	\$ 270,000	\$ -	\$ -	\$ -	\$ -	\$ 270,000

Estimated Funding Sources	Percentage	2023	Amount
Water FCCs	100%		\$0
			\$0
			\$0
<b>Total</b>	<b>100%</b>		<b>\$0</b>

Funding Comments:

## EL DORADO IRRIGATION DISTRICT

**SUBJECT:** Consider authorizing additional funding in the amounts of \$60,000 for capitalized labor for the Federal Energy Regulatory Commission (FERC) C15 Pesticide Use Project, Project No. 07010H; \$103,256 for capitalized labor and \$296,744 for equipment and materials for a total of \$400,000 for FERC C57 Transportation System Management Plan Project No. 07030H; and \$55,000 for fees for FERC C51.5 and C51.7 RM U.S. Forest Service (USFS) Payments, Project No. 07006H.

### PREVIOUS BOARD ACTION

#### *Federal Energy Regulatory Commission (FERC) License Conditions*

Since 2006, the Board has annually authorized funding to implement the various license conditions to comply with the terms of the FERC license and related agreements.

February 13, 2023 – Authorized additional funding in the amounts of \$70,000 for consulting services and \$10,000 in capitalized labor for a total funding request of \$80,000 for FERC C46-49 Recreation Resource Management, Project No. 06098H; \$45,334 for annual payments to the USFS and \$5,000 in capitalized labor for a total funding request of \$50,334 for FERC C51.5 and C51.7 Recreation Management USFS Payments, Project No. 07006H; \$10,000 for capitalized labor for FERC C51.2 Recreation Management Caples Boat Launch, Project No. 10007; and \$50,000 for capitalized labor for FERC C15 Pesticide Use, Project No. 07010H.

October 23, 2023 – Board adopted the 2024–2028 Capital Improvement Plan (CIP), subject to available funding.

### BOARD POLICIES (BP), ADMINISTRATIVE REGULATIONS (AR) AND BOARD AUTHORITY

BP 3010 Budget

BP 8010 Hydroelectric System Management

AR 8013 System Operation

### SUMMARY OF ISSUE

Board approval is required to authorize CIP funding prior to staff proceeding with work on the projects.

## BACKGROUND/DISCUSSION

Staff requests funding for the CIP projects identified in Table 1. The expenditures to date, the amount of new funding requested and the funding source are listed.

**Table 1  
CIP Funding Request**

	<b>Project Name and Number</b>	<b>2024-2028 CIP Plan<sup>1</sup></b>	<b>Funded to Date</b>	<b>Actual Costs to date<sup>2</sup></b>	<b>Amount Requested</b>	<b>Funding Source</b>
1.	<b>FERC C15 Pesticide Use 07010H</b>	<b>\$1,386,694</b>	<b>\$998,000</b>	<b>\$968,813</b>	<b>\$60,000</b>	<b>100% Water Rates</b>
2.	<b>FERC C57 Transportation System Management Plan 07030H</b>	<b>\$1,457,934</b>	<b>\$105,000</b>	<b>\$77,960</b>	<b>\$400,000</b>	<b>100% Water Rates</b>
3.	<b>FERC: C51.5 and C51.7 RM USFS Payments 07006H</b>	<b>\$992,526</b>	<b>\$722,421</b>	<b>\$711,496</b>	<b>\$55,000</b>	<b>100% Water Rates</b>
	<b>TOTAL FUNDING REQUEST</b>				<b>\$515,000</b>	

<sup>1</sup> Includes all existing costs plus any expected costs in the 5-year CIP.

<sup>2</sup> Actual costs include encumbrances.

The following section contains a brief breakdown and description of the Project in Table 1.

## CIP Funding Request

<b>Project No.</b>	07010H	<b>Board Date</b>	02/26/2024
<b>Project Name</b>	FERC: C15 Pesticide Use		
<b>Project Manager</b>	Matt Heape		

<b>Budget Status</b>	<b>\$</b>	<b>%</b>
Funded to date	\$ 998,000	--
Spent to date	\$ 968,813	97%
<b>Current Remaining</b>	<b>\$ 29,187</b>	<b>3%</b>

<b>Funding Request Breakdown</b>	<b>\$</b>
Capitalized Labor	\$ 60,000
<b>Total</b>	<b>\$ 60,000</b>

<b>Funding Source</b>
100% Water Rates

<b>Description</b>
<p>This Project is a mandatory requirement pursuant to United States Forest Service (USFS) Section 4(e) Condition No. 15 Pesticide Use and Article 20 of the FERC Project No. 184 license. Funding is requested to implement the Project No. 184 Integrated Pest Management Plan (IPMP), which addresses pesticide use at EID facilities within the FERC boundary as well as associated facilities and access through adjacent District, USFS, and SPI lands. The primary objective of the IPMP is to provide guidelines to control unwanted vegetation and pests at EID facilities while providing for the protection and maintenance of forest resources. Funding is requested for capitalized labor to perform vegetation and pest control treatments and administer the IPMP training and reporting requirements. Funding is sufficient for chemicals in 2024. Therefore, no funding is requested for purchase of chemicals at this time.</p>

## CIP Funding Request

<b>Project No.</b>	07030H	<b>Board Date</b>	2/26/2024
<b>Project Name</b>	FERC: C57 Transportation System Management Plan		
<b>Project Manager</b>	Cary Mutschler		

<b>Budget Status</b>	<b>\$</b>	<b>%</b>
Funded to date	\$ 105,000	--
Spent to date	\$ 77,960	74%
<b>Current Remaining</b>	<b>\$ 27,066</b>	<b>26%</b>

<b>Funding Request Breakdown</b>	<b>\$</b>
Capitalized Labor	\$ 103,256
Equipment & Materials	\$ 296,744
<b>Total</b>	<b>\$ 400,000</b>

<b>Funding Source</b>
100% Water Rates

<p><b>Description</b></p> <p>Condition 57 states within one year of license issuance, the licensee shall file with FERC a transportation system management plan that is approved by the Forest Service for roads on or affecting National Forest System lands. The plan was prepared and approved and established the level of licensee responsibility for project-related roads. This CIP also includes the Trails Maintenance Plan. The plan is due to be reviewed and updated. Plan updates include consultation with the Forest Service. Future costs are subject to change based on the scope of the new plan.</p> <p>The projects are for stabilizing the numerous access roads to the Project 184 system. Projects will be to rehabilitate existing roads that are included within the Transportation System Management Plan including the following:</p> <p style="margin-left: 40px;">Powerhouse Road - 3.5 Miles - 2024 Camp 2 Road - 1 Mile, Five Beat Access Roads - 2 Miles - 2025 Camp 1 Road - 2 Miles - 2026 Flume 4-6 Access Road - 3 miles - 2027</p> <p>Work will include replacing missing rock and treating the road with SoilTech mixture to prevent dust and erosion.</p>
--

## CIP Funding Request

<b>Project No.</b>	07006H	<b>Board Date</b>	2/26/2024
<b>Project Name</b>	FERC: C51.5 and 51.7 RM USFS Payments		
<b>Project Manager</b>	Emily Bertram		

<b>Budget Status</b>	<b>\$</b>	<b>%</b>
Funded to date	\$722,421	--
Spent to date	\$711,496	98%
<b>Current Remaining</b>	<b>\$10,925</b>	<b>2%</b>

<b>Funding Request Breakdown</b>	<b>\$</b>
Fees	\$55,000
<b>Total</b>	<b>\$55,000</b>

<b>Funding Source</b>
100% Water Rates

<b>Description</b>
<p>The FERC License, Settlement Agreement, and USFS 4(e) Condition 51 requires the District to provide funding for the following activities:</p> <p>a. Special Use Administration Funding: The licensee shall annually pay, by October 1, the amount of \$4,800 (year 2002 cost basis) to provide for performing monitoring and permit compliance assurance for the campground concessionaire special use permits at Caples Lake Campground and Silver Lake East Campground. The costs shall be escalated based on the U.S. Gross Domestic Product – Implicit Price Deflator (GDP-IDP).</p> <p>b. Dispersed Area Patrol Funding on Lands Affected by the Project: The licensee shall annually pay, by October 1, \$25,000 (year 2002 cost basis). The cost shall be escalated based on the U.S. Gross Domestic Product – Implicit Price Deflator (GDP-IDP). These funds are to provide for the patrol and operation of non-concessionaire developed and dispersed recreation facilities, trails, and other locations utilized by visitors to the Project within and adjacent to the Project boundary. The licensee shall annually provide a boat and operator on Caples Lake and Silver Lake at least twice each season (time to be determined by mutual agreement between the licensee and the Forest Service) to assist the Forest Service in policing the shoreline along Silver Lake and Caples Lake, and to clean up litter.</p> <p>Funding under this CIP is required to pay the annual fees to the U.S. Forest Service for special use administration and dispersed area patrol on USFS lands affected by the Project. Sufficient funding is available for capitalized labor to patrol the shoreline and clean up litter at Silver Lake and Caples Lake.</p>

**BOARD OPTIONS**

**Option 1:** Authorize additional funding in the amounts of \$60,000 for capitalized labor for the FERC C15 Pesticide Use Project, Project No. 07010H; \$103,256 for capitalized labor and \$296,744 for equipment and materials for a total of \$400,000 for FERC C57 Transportation System Management Plan Project No. 07030H; and \$55,000 for fees for FERC C51.5 and C51.7 RM USFS Payments, Project No. 07006H.

**Option 2:** Take other action as directed by the Board.

**Option 3:** Take no action.

**RECOMMENDATION**

Option 1

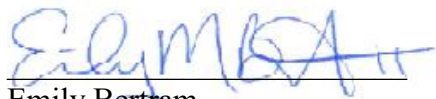
**ATTACHMENTS**

Attachment A: CIP summaries





Matt Heape  
Hydro Operations and Maintenance Supervisor



Emily Bertram  
Parks and Recreation Manager



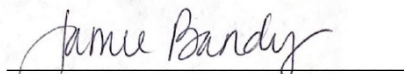
Cary Mutschler  
Hydroelectric Manager



Dan Corcoran  
Operations Director

 for

Rebecca Lane  
Finance and Accounting Manager



Jamie Bandy  
Finance Director



Brian Poulsen  
General Counsel



Jim Abercrombie  
General Manager

2024

CAPITAL IMPROVEMENT PLAN Program:

FERC

Project Number: 07010H  
 Project Name: FERC: C15 Pesticide Use  
 Project Category: Regulatory Requirements  
 Priority: 1 PM: M. Heape Board Approval: 10/23/23

**Project Description:**

Mandatory requirement of the FERC license. Funding is requested to implement the integrated pest management plan (IPMP). The IPMP addresses pesticide use at EID facilities within the jurisdiction of the El Dorado National Forest (ENF) and Lake Tahoe Basin Management Unit (LTBMU).

**Basis for Priority:**

If unfunded, EID would be out of compliance with the FERC license and USFS 4(e) condition 15.

Project Financial Summary:			
Funded to Date:	\$ 998,000	Expenditures through end of year:	\$ 986,694
Spent to Date:	\$ 906,694	2024 - 2028 Planned Expenditures:	\$ 400,000
Cash flow through end of year:	\$ 80,000	Total Project Estimate:	\$ 1,386,694
Project Balance	\$ 11,306	Additional Funding Required	\$ 388,694

Description of Work	Estimated Annual Expenditures					Total
	2024	2025	2026	2027	2028	
Implementation	\$ 65,000	\$ 65,000	\$ 65,000	\$ 65,000	\$ 65,000	\$ 325,000
Equipment / Supplies	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 75,000
						\$ -
						\$ -
<b>TOTAL</b>	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 400,000

Estimated Funding Sources	Percentage	2024	Amount
Water Rates	100%		\$68,694
			\$0
<b>Total</b>	<b>100%</b>		<b>\$68,694</b>

Funding Comments:

2024

CAPITAL IMPROVEMENT PLAN Program:

FERC

Project Number: 07030H
Project Name: FERC: C57 Transportation System Management Plan
Project Category: Regulatory Requirements

Priority: 1 PM: Mutschler Board Approval: 10/23/23

Project Description:

Condition 57 states within 1 year of license issuance, the licensee shall file with FERC a transportation system management plan that is approved by the FS for roads on or affecting National Forest System lands. The plan was prepared and approved and established the level of licensee responsibility for project-related roads. Also included in this CIP is the Trails Maintenance Plan. The plan is due to be reviewed and updated. Plan updates include consultation with the Forest Service. Future costs are subject to change based on the scope of the new plan.

Projects are for stabilizing the numerous access roads to the Project 184 system. Projects will be to repair and refurbish existing roads that are part of the Transportation System Management Plan that we have with the US Forest Service. Roads to be worked on include:

- Powerhouse Road - 3.5 Miles - 2024
Camp 2 Road - 1 Mile, Five Beat Access Roads - 2 Miles - 2025
Camp 1 Road - 2 Miles - 2026
Flume 4-6 Access Road - 3 miles - 2027

Work will include replacing missing rock and treating the road with SoilTech mixture to prevent dust and erosion

Basis for Priority:

Project is required by Project 184 license and is on-going.

Table with 4 columns: Category, Amount, Description, Amount. Rows include Funded to Date, Spent to Date, Cash flow through end of year, and Project Balance.

Table with 7 columns: Description of Work, 2024, 2025, 2026, 2027, 2028, Total. Rows include Update Plan, Construction, and TOTAL.

Table with 4 columns: Estimated Funding Sources, Percentage, 2024, Amount. Rows include Water Rates and Total.

Funding Comments:

**Project Number:** 07006H  
**Project Name:** FERC: C51.5 and C51.7 RM USFS Payments  
**Project Category:** Regulatory Requirements

**Priority:** 1      **PM:** Bertram      **Board Approval:** 10/23/23

**Project Description:**

Required by the FERC License, Settlement Agreement, and USFS 4(e) Condition 51, which in part, requires the District to provide funding for the following activities:

- a. Special Use Administration Funding: The licensee shall annually pay, by October 1, the amount of \$4,800 (year 2002 cost basis) to provide for performing monitoring and permit compliance assurance for the campground concessionaire special use permits at Caples Lake Campground and Silver Lake East Campground. The costs shall be escalated based on the U.S. Gross Domestic Product – Implicit Price Deflator (GDP-IDP).
- b. Dispersed Area Patrol Funding on Lands Affected by the Project: The licensee shall annually pay, by October 1, \$25,000 (year 2002 cost basis). The cost shall be escalated based on the U.S. Gross Domestic Product – Implicit Price Deflator (GDP-IDP). These funds are to provide for patrol and operation of non-concessionaire developed and dispersed recreation facilities, as well as trails and other locations utilized by visitors to the Project, within and adjacent to the Project boundary. The licensee shall annually provide a boat and operator on Caples Lake and Silver Lake at least twice each season (time to be determined by mutual agreement between the licensee and the FS) to assist the FS in policing the shoreline along Silver Lake and Caples Lake, and to clean up litter.

Funding under this CIP is required to pay the annual fees to the USFS for special use administration and dispersed area patrol on USFS lands affected by the Project, and for capitalized labor to patrol the shoreline and clean up litter at Silver Lake and Caples Lake.

**Basis for Priority:**

EID would not be able to comply with the FERC License, Settlement Agreement and USFS 4(e) Condition requirements.

Project Financial Summary:			
<b>Funded to Date:</b>	\$ 722,421	<b>Expenditures through end of year:</b>	\$ 717,762
<b>Spent to Date:</b>	\$ 662,762	<b>2024 - 2028 Planned Expenditures:</b>	\$ 281,030
<b>Cash flow through end of year:</b>	\$ 55,000	<b>Total Project Estimate:</b>	\$ 998,793
<b>Project Balance</b>	\$ 4,659	<b>Additional Funding Required</b>	\$ 276,372

Description of Work	Estimated Annual Expenditures					
	2024	2025	2026	2027	2028	Total
Fees	\$49,195	\$50,671	\$52,191	\$53,682	\$55,292	\$261,030
Staff time	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$20,000
<b>TOTAL</b>	<b>\$ 53,195</b>	<b>\$ 54,671</b>	<b>\$ 56,191</b>	<b>\$ 57,682</b>	<b>\$ 59,292</b>	<b>\$281,030</b>

Estimated Funding Sources	Percentage	2024	Amount
Water Rates	100%		\$48,536
			\$0
<b>Total</b>	<b>100%</b>		<b>\$48,536</b>

Funding Comments:

## EL DORADO IRRIGATION DISTRICT

**SUBJECT:** Unregulated Contaminant Monitoring Rule Cycle 5 Drinking Water Sampling Update.

### PREVIOUS BOARD ACTION

None

### BOARD POLICIES (BP), ADMINISTRATIVE REGULATIONS (AR) AND BOARD AUTHORITY

California Health and Safety Code (HSC §116470(b))

BP 0010 District Mission Statement

BP 5010 Water Supply Management

### SUMMARY OF ISSUE

The Safe Drinking Water Act (SDWA) requires the U.S. Environmental Protection Agency (EPA) to issue a list of unregulated contaminants once every five years, which must be monitored by many public water systems, including the District. The fifth Unregulated Contaminant Monitoring Rule (UCMR 5) was published in December 2021, which required the District to sample 30 chemical constituents (29 “per- and polyfluoroalkyl substances”, otherwise known as PFAS, and lithium) between 2023 and 2025. The District completed over 90% of this monitoring in the Main Water System in 2023. The purpose of this agenda item is to summarize the results of that sampling and advise the Board of a public notice that will be required to be mailed to all customers this spring as a result of the monitoring.

### BACKGROUND/DISCUSSION

*What is the Unregulated Contaminant Monitoring Rule (UCMR)?*

As part of its responsibilities under the SDWA, the EPA implements the Monitoring Program for Unregulated Contaminants. The SDWA requires EPA to issue a list of priority unregulated contaminants once every five years to be monitored by certain public water systems across states, tribes, and territories. For the District, this includes the Main Water System due to its classification but excludes both the Outingdale and Strawberry satellite systems. The contaminants to be sampled may be present in drinking water but are not yet subject to national drinking water standards. Under the UCMR, the EPA collects nationally representative drinking water occurrence data to support future regulatory determinations and, as appropriate, drinking water standards. In December 2021, the EPA published the UCMR 5. The five-year UCMR 5 cycle spans 2022–2026, with sample collection occurring in 2023–2025 and completion of data reporting in 2026.

*Which water systems are required to participate in UCMR 5?*

The EPA has divided drinking water systems into three categories based on the number of people served. The table below provides a summary of the categories and participation requirement. The Outingdale and Strawberry satellite water systems serve fewer than 3,300 people and were not selected by EPA to participate. The Main Water System serves over 130,000 persons and as such is required to participate.

<b>Size of Category (Number of People Served)</b>	<b>Participation Requirement</b>	<b>Approximate Total # of Water Systems per Size Category</b>
Small Systems (fewer than 3,300)	EPA decides who is required to participate to ensure a national representation	800
Small Systems (3,300-10,000)	All systems, if confirmed by EPA	5,147
Large Systems (10,001 and over)	All systems	4,364

*What contaminants are included in UCMR 5?*

UCMR 5 specifies monitoring for PFAS and lithium. PFAS are a group of synthetic chemicals used in a wide range of consumer products and industrial applications, including non-stick cookware, water-repellent clothing, stain-resistant fabrics and carpets, cosmetics, firefighting foams, electroplating, and products that resist grease, water, and oil. Lithium is a natural element found in rocks, soils and water in varying concentrations.

*Where are samples to be collected?*

Surface water systems must be monitored four times during a consecutive 12-month monitoring period. Sample events must occur three months apart. A Public water system may request a modification of this schedule if a water treatment plant does not operate 12 months per year.

*What does UCMR 5 participation involve? Who pays?*

All systems required to participate in UCMR 5 will collect samples. Large water systems coordinate testing with an EPA UCMR-approved laboratory and pay for shipping and analytical costs. EPA arranges for the analysis of small-system samples and pays for shipping and analytical costs. Given the classification of the District’s Main Water System as large, District customers must bear all costs associated with UCMR 5. The District expected laboratory cost is approximately \$11,000.

*How did EPA select the UCMR 5 contaminants?*

The EPA historically selects contaminants using a multi-step prioritization process. However, for UCMR 5, the National Defense Authorization Act for Fiscal Year 2020 (NDAA) specified that EPA shall include in UCMR 5 all PFAS for which a drinking water analytical method has been validated by the Administrator and that are not currently subject to a national primary drinking water regulation. The EPA also considered the fourth Contaminant Candidate List (CCL 4) and contaminants nominated by the public for potential inclusion on the fifth CCL (CCL 5) and other priority contaminants of interest.

*What are the public health benefits of the UCMR program?*

The UCMR program provides EPA and other interested parties with national representative occurrence data on emerging contaminants in drinking water. This data can support future regulatory determinations and additional actions to protect public health—the public benefits by providing information about whether or not unregulated contaminants are present in their drinking water. If the contaminants are not found, it could increase public confidence in their drinking water. If found, information on potential health effects can be shared with the consumer.

*What were the results of the District’s UCMR 5 monitoring?*

To date, the District has conducted 11 monitoring events and detected only one contaminant within one sample: Perfluoropentanoic acid (PFPeA) at 0.0032 parts per billion. The Minimum Report Limit (MRL) is 0.003 parts per billion. The MRL is defined as the smallest measured concentration

of a substance that can be reliably measured. This single detection was located on one occasion within the finished water from Reservoir 1 Water Treatment Plant.

*Where can consumers find UCMR 5 results?*

All water systems are required to report sampling data to the EPA, which is stored in the publically accessible National Contaminant Occurrence Database (NCOD). The Public Notification Rule requires all systems to notify their customers of the availability of the UCMR results no later than 12 months after the results are known.

The District received the first set of laboratory results in April 2023, and there was only one detection of the 29 PFAS compounds at the Minimum Reporting Level, and no lithium was detected. Staff has prepared the required notification advising drinking water customers in the Main Water System the data is available for their review. This letter will be sent by direct mail in March 2024. Attachment A provides a draft copy of the notice that will be sent to all drinking water customers in the Main System.

Community Water Systems are also required to report UCMR results in their annual Consumer Confidence Report (CCR) when unregulated contaminants are detected. Therefore, this information will also be included in the 2023 CCR issued in May.

**BOARD OPTIONS**

None – Information only.

**RECOMMENDATION**

None – Information only.

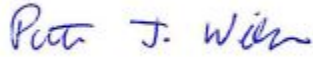
**ATTACHMENTS**

Attachment A: Letter to Customer Notifying Availability of UCMR 5 Data for Review



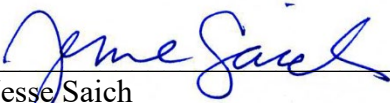
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Nicole Graham  
Environmental Compliance Supervisor



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Patrick Wilson  
Drinking Water Operations Manager



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Jesse Saich  
Communications and Media Relations Manager



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Brian Mueller  
Engineering Director




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Dan Corcoran  
Operations Director



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Brian Poulsen  
General Counsel



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Jim Abercrombie  
General Manager





# El Dorado Irrigation District

**DRAFT**

## SPECIAL NOTICE FOR AVAILABILITY OF UNREGULATED CONTAMINANT MONITORING DATA – EID WATER REMAINS SAFE TO DRINK

### IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER AS REQUIRED BY THE U.S. ENVIRONMENTAL PROTECTION AGENCY

#### AVAILABILITY OF MONITORING DATA FOR UNREGULATED CONTAMINANTS FOR THE MAIN WATER SYSTEM

El Dorado Irrigation District (EID) has completed a series of water sampling tests for unregulated contaminants as required by the United States Environmental Protection Agency (EPA). Unregulated contaminants are those that do not yet have a federal drinking water standard set. The purpose of monitoring for these contaminants is to help the EPA decide whether the contaminants should have a standard in the future based upon nationwide data. Every five years the EPA issues an updated list of unregulated contaminants to be monitored with the fifth Unregulated Contaminant Monitoring Rule (UCMR 5) that began in 2023 and includes 29 per- and polyfluoroalkyl substances (PFAS) and lithium. You may visit the EPA's webpage to learn more about the UCMR 5 rule at <https://www.epa.gov/dwucmr/fifth-unregulated-contaminant-monitoring-rule>.

As our customers, you have a right to know this data is available for review. **Please be advised, almost all the monitoring results showed no presence of these unregulated constituents. EID's drinking water meets and exceeds drinking water regulatory standards, and remains safe to drink.**

The EPA sets the drinking water regulations for the nation. In compliance with these regulations, EID regularly monitors and tests the water. The summary of each year's testing results is contained in the District's Water Quality Report/Consumer Confidence Report. The Water Quality Report is produced in May of each year and includes the sampling data from the prior year. The report includes a comparison of the District's water quality to state and federal standards. To view the current report (2022) go to [www.EID.org/WaterQuality](http://www.EID.org/WaterQuality), the 2023 report will be available May 2024.

If you are interested in examining the recent unregulated contaminant monitoring results, please contact Patrick Wilson, Drinking Water Operations Manager by phone at (530) 642-4060, email at [pwilson@eid.org](mailto:pwilson@eid.org) or mail your request to his attention at El Dorado Irrigation District, 2890 Mosquito Road, Placerville, CA 95667.

This notice is being sent to all customers who receive water through the District's Main Water System (PWS # CA0910001) pursuant to 40 CFR 141.40.

**DRAFT**

Unregulated Contaminant  
Monitoring Rule, Cycle 5  
Drinking Water Sampling Update  
Information Item



February 26, 2024

# Summary of Issue

- The Safe Drinking Water Act mandates that the U.S. Environmental Protection Agency (EPA) issue a list of unregulated contaminants every five years. These contaminants are to be monitored by public water systems
  - The fifth Unregulated Contaminant Monitoring Rule (UCMR 5) was published in December 2021
- UCMR 5 requires sample collection for 30 chemicals
  - In 2023, the District completed over 90% of this monitoring in the Main Water System
- The Public Notification Rule mandates that all systems to notify their customers of UCMR results no later than 12-months after receiving the data

# What is the Unregulated Contaminant Monitoring Rule (UCMR)?

- The UCMR is an initiative by the EPA to monitor emerging contaminants of concern in public water systems across the nation. This is done to stay ahead of new health data and advancements in testing capabilities
- The monitoring occurs in a 5 year cycle
- The collected data is used in setting future regulatory drinking water standards

# Which water systems are required to participate in UCMR 5?

Size of Category (Number of People Served)	Participation Requirement	Approximate Total # of Water Systems per Size Category
Very Small Systems (fewer than 3,300)	EPA decides who is required to participate to ensure a national representation	800
Small Systems (3,300-10,000)	All systems, if confirmed by EPA	5,147
Large Systems (10,001 and over)	All systems	4,364

# What contaminants are in UCMR 5?

- UCMR 5 specifies monitoring for 29 per- and polyfluoroalkyl substances (PFAS) and lithium
  - PFAS are a group of synthetic chemicals found in:
    - Non-stick cookware
    - Water repellent clothing
    - Stain-resistant fabrics and carpets
    - Cosmetics
    - Firefighting foams
    - Electroplating
    - Products that resist grease, water, and oil
  - Lithium is natural element found in rocks, soil and water

# Where and when are samples to be collected?

- Surface Water Systems:
  - Finished water leaving the water treatment plant
  - 4 times during a consecutive 12-month period
  - Sample events must occur 3 months apart
  - Monitoring Period is 2023-2025
  
- Public water system may request a modification of this schedule if a water treatment plant does not operate 12 months a year

# What does UCMR5 participation involve? Who pays?

- Large water systems:
  - Are responsible for collecting the samples
  - Coordinate testing with an EPA UCMR approved laboratory
  - Pay for shipping and analytical costs
- EID's laboratory cost will be approximately \$11,000 when the study is complete



# How did the EPA select the UCMR5 contaminants?

- For UCMR 5, the National Defense Authorization Act for Fiscal Year 2020 Specified:
  - EPA shall include all PFAS for which there was an existing drinking water validated analytical method
  - Not currently subject to a national primary drinking water regulation
- Also considered other contaminants of interest from previous candidate lists and public input

# What were the results of the District's UCMR 5 monitoring?

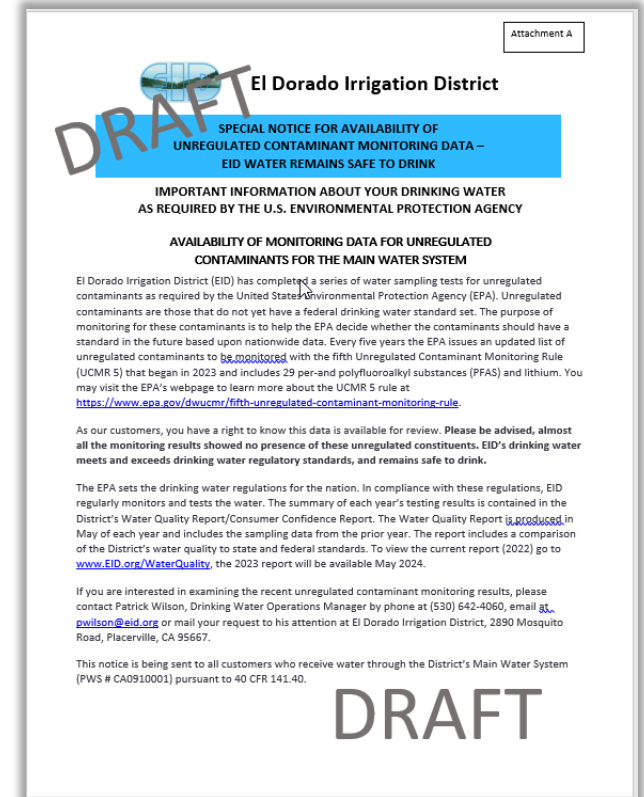
- To date, the District has conducted 11 monitoring events, and only one contaminant was detected
  - Perfluoropentanoic acid at 0.0032 parts per billion
  - The Minimum Reporting Limit (MRL) is 0.003 parts per billion
- The MRL is defined as the smallest measured concentration of a substance that can be reliably measured
  - This single detection was at the finished water from Reservoir 1 Water Treatment Plant in Q1 2023

# Where can consumers find UCMR 5 results?

- All water systems are required to report to a EPA national database, which is available to the general public

# Where can consumers find UCMR 5 results? (cont.)

- The federal Public Notification Rule requires all water systems to notify their customers of the availability of the UCMR results
  - No later than 12 months after the results are known
  - Attachment A provides the notice for customers in the Main System
- Community Water Systems are also required to report UCMR results in their annual Consumer Confidence Report/Annual Water Quality Report when unregulated contaminants are detected



# What are the public health benefits of the UCMR program?

- The UCMR program provides EPA with
  - National representative occurrence data on emerging contaminants
  - This data can be used to support future regulatory determinations
  - Support additional actions to protect public health
- The public benefits by providing data if unregulated contaminants are present or not in their drinking water
  - If contaminants are not found it could increase public confidence in their drinking water
  - If contaminants are found water systems can share information regarding these unregulated chemicals as it becomes available

# Summary

- Good news story
- The monitoring study of these emerging contaminants of concern is almost complete
- Monitoring data is almost all non-detect at MRL
- The District maintains a rigorous sampling schedule for both regulated and unregulated contaminants

Questions?

**EL DORADO IRRIGATION DISTRICT**

**SUBJECT:** Consider ratifying EID General Warrant Registers for the periods ending February 6 and February 13, 2024, and Employee Expense Reimbursements for these periods.

**PREVIOUS BOARD ACTION**

The Board ratifies the District’s General Warrant Registers at each regular meeting of the Board.

**BOARD POLICIES (BP), ADMINISTRATIVE REGULATIONS (AR) AND BOARD AUTHORITY**

Section 24600 of the Water Code provides that no claim shall be paid unless allowed by the Board.

**SUMMARY OF ISSUE**

District staff notifies the Board of proposed payments via email and requests ratification of the warrant registers at the subsequent regular meeting of the Board. Copies of the Warrant Registers are sent to the Board on the Friday preceding the Warrant Register’s date. If no comment or request to withhold payment is received from any Director prior to the following Tuesday morning, the warrants are mailed out and formal ratification of said warrants is agendized on the next regular Board agenda.

**BACKGROUND/DISCUSSION**

***Current Warrant Register Information***

Warrants are prepared by Accounts Payable and reviewed and approved by the Finance & Accounting Manager, the Director of Finance, and the General Manager or their designee.

<b>Register Date</b>	<b>Check Numbers</b>	<b>Amount</b>
February 6, 2024	708445 – 708544	\$1,116,082.98
February 13, 2024	708545 – 708681	\$1,406,972.08

***Current Employee Expense Reimbursements***

Employee Expenses and Reimbursements have been reviewed and approved by the Finance & Accounting Manager and General Manager prior to the warrants being released. These expenses and reimbursements are for activities performed in the interest of the District in accordance with Board Policy 12065 and Resolution No. 2007-059.

Additional information regarding Board and employee expense reimbursements is available for copying or public inspection at District headquarters in compliance with Government Code Section 53065.5.



**BOARD OPTIONS**

**Option 1:** Ratify the EID General Warrant Registers and Employee Expense Reimbursements as submitted.

**Option 2:** Take other action as directed by the Board.

**Option 3:** Take no action.

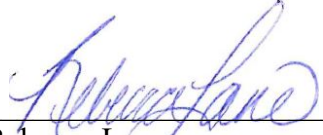
**RECOMMENDATION**

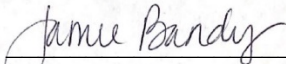
Option 1

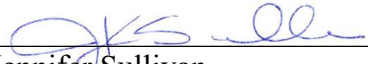
**ATTACHMENTS**


Attachment A: Executive summaries

Attachment B: Employee Expense Reimbursements totaling \$100 or more

  
\_\_\_\_\_  
Rebecca Lane  
Finance and Accounting Manager

  
\_\_\_\_\_  
Jamie Bandy  
Finance Director

  
\_\_\_\_\_  
Jennifer Sullivan  
Clerk to the Board

  
\_\_\_\_\_  
Jim Abercrombie  
General Manager

# Attachment A

February 1, 2024

To: Jim Abercrombie, General Manager  
From: Rebecca Lane, Finance and Accounting Manager  
Via: Jamie Bandy, Director of Finance  
RE: Warrant Register Executive Summary Approval

Attached is the summary for February 6, 2024 for your review and approval.

*Executive Summary for February 6, 2024 -- \$1,116,082.98:*

This summary highlights significant disbursements made by major business activity:

**Development Services (Fund 105)** – none to report

**General District Operations (Fund 110)**

- \$4,998—ABM Janitorial Services for janitorial services at headquarters facility
- \$5,485—AT&T for phone service, wide area network service, and router equipment
- \$24,189—Dataprose, LLC for December 2023 billing services
- \$35,767—Hunt & Sons, Inc. for card lock fuel and fuel deliveries at various locations
- \$4,744—Hydraulic Power Sales, Inc. for bolts latches, springs and hammer and impact gun repair services
- \$6,314—Iconix Waterworks (US), Inc. for warehouse inventory
- \$62,792—Quantum Resolve, Inc. for consulting services
- \$14,922—Sierra Nevada Tire and Wheel for tires and service calls
- \$6,127—U.S. Bank for Zoom account charges, food for meetings, project management software, PSHRA membership renewals and C.A.R.B. compliance annual fees

**Engineering Operations (Fund 210)** – none to report

**Water Operations (Fund 310)**

- \$12,833—Amazon Business for USB car charger adapters, routers, and a pipe threading machine
- \$3,219—Aqua-Tech Company for reservoir cleaning and inspection services
- \$4,907—Costa Fencing, Inc. for fence repair services
- \$15,536—D and H Water Systems, Inc. for two single point insertion flow meters
- \$4,870—ERS Industrial Services, Inc. for clarifier screens
- \$7,245—Grainger for coffee, sockets, pipe wrenches, gaskets and other miscellaneous operating supplies and tools
- \$3,507—Grating Pacific, Inc. for aluminum grating
- \$6,192—Hach Company for sulfuric acid, alkaline cyanide and a portable turbidimeter
- \$62,700—PG&E for electric service
- \$26,070—Pioneer Americas, LLC for sodium hypochlorite at Reservoir A and EDHWTP
- \$78,373—Sterling Water Technologies, LLC for flocculant and orthophosphate at Reservoir A
- \$4,010—U.S. Bank for muck boots and contaminated soil disposal fees

**Wastewater Operations (Fund 410)**

- \$165,289—Doug Veerkamp General Engineering, Inc. for emergency repair and road restoration services in response to Marina Village Sewer Force Main failure and force main break on Green Valley Road
- \$3,349—Hastie’s Capitol Sand and Gravel Co. for rock deliveries
- \$10,789—Lhoist North America of Arizona, Inc. for quicklime at DCWWTP
- \$3,711—Rexel USA, Inc. for an air conditioner
- \$57,382—Synagro West, LLC for sludge hauling and disposal at EDHWTP and DCWWTP

- \$19,401—Veolia Water Technologies Treatment Solutions USA, Inc. for ultraviolet products at EDHWWTP and DCWWTP

#### **Recycled Water Operations (Fund 510)**

- \$90,447—Doug Veerkamp General Engineering, Inc. for emergency repair and road restoration services in response to Silva Valley/Serrano recycled water main break

#### **Hydroelectric Operations (Fund 610)**

- \$6,394—SensorPros for pressure transmitters

#### **Recreation Operations (Fund 710)**

#### **Capital Improvement Projects (Construction Funds 140, 340, 440, 540, 640 and 740)**

- \$4,292—BT Consulting, Inc. for on-call services:
  - >Project #23032.01 – Marina Village No. 1 Lift Station Emergency Culvert Replacement (\$1,392)
  - >Project #21081.01 – Motherlode Force Main Replacement Program (\$1,400)
  - >Project #17034.01 – Wastewater Collection Facility Relocation (\$1,500)
- \$5,163—CA Department of Fish and Wildlife for lake and streambed alteration agreement fees – Sly Park Intertie Improvements (Project #21079.01)
- \$3,580—Castle & Dekker for legal fees – Flume 45 Abutment Replacement (Project #17025.01)
- \$40,947—Downtown Ford Sales for a 2023 Ford F-150 truck – 2022 Vehicle Replacement Program (Project #22003.01)
- \$5,115—ICM Group, Inc. for construction management and inspection services – Motherlode Force Main Replacement Program (Project #21081.01)
- \$14,340—Intech Mechanical Company, LLC for HVAC system service – HVAC Improvements - Headquarters (Project #23030.01)
- \$4,683—Kleinfelder, Inc. for hydroelectric compliance services:
  - >Project #06021H.01 – FERC: C37.8 Water Temperature Monitoring (\$2,603)
  - >Project #06098H.01 – FERC: C46 thru C49 Recreation Resource Management (\$2,080)
- \$57,590—MCK Americas, Inc. for construction management and inspection services:
  - >Project #20030.01 – Drop off Road Waterline Extension (\$350)
  - >Project #18040.01 – Forebay Road Waterline Replacement (\$57,240)
- \$39,476—Peterson Brustad, Inc. for engineering design services:
  - >Project #23039.01 – Reservoir 4 Tank Recoating (\$2,221)
  - >Project #23040.01 – Reservoir 7A Tank Recoating (\$16,917)
  - >Project #24009.01 – Bridlewood Tank Rehabilitation (\$17,652)
  - >Project #STUDY15.01 – El Dorado Main #2 Assessment (\$2,686)
- \$97,906—Quantum Resolve, Inc. for consulting services – Hansen 7 Software Replacement (Project #18055.01)
- \$30,662—Rexel USA, Inc. for two variable frequency drives – EDHWWTP Pump VFD (Project #23014.01)

February 8, 2024

To: Jim Abercrombie, General Manager  
From: Rebecca Lane, Finance and Accounting Manager  
Via: Jamie Bandy, Director of Finance  
RE: Warrant Register Executive Summary Approval

Attached is the summary for February 13, 2024 for your review and approval.

*Executive Summary for February 13, 2024 -- \$1,406,972.08:*

This summary highlights significant disbursements made by major business activity:

**Development Services (Fund 105) – none to report**

**General District Operations (Fund 110)**

- \$174,011—Aqua Metric Sales Company for 335 various sized water meters and 370 transceivers
- \$6,503—Cintas Corporation for uniform service at various locations
- \$5,307—ColumbiaSoft Corporation for software maintenance renewal
- \$56,500—Environmental Systems Research Institute, Inc. for annual subscription providing consulting, support and training services
- \$49,785—Ferguson Enterprises, LLC for copper tubing, adapters, bushings, flanges and valves
- \$4,809—Hunt & Sons, Inc. for fuel deliveries at various locations
- \$3,946—JA Snyder Pacific West, Inc. for a credit balance refund on customer account
- \$4,230—Liebert Cassidy Whitmore for legal services
- \$10,352—PG&E for electric service
- \$3,463—Platt Electric Supply for copper wire, connectors, couplings and other various electrical supplies
- \$7,560—Sierra Nevada Tire and Wheel for tires and service calls
- \$8,960—Smith System Driver Improvement Institute, Inc. for small vehicle driver training for 160 employees
- \$79,632—TNT Industrial Contractors, Inc. for release of retention held on project 18035.01 EDHWWTP WAS DAFT Rehabilitation

**Engineering Operations (Fund 210)**

- \$4,604—Backflow Distributors, Inc. for valve repair kits

**Water Operations (Fund 310)**

- \$20,154—Aqua-Tech Company for reservoir tank inspection and cleaning services
- \$3,715—C & H Motor Parts, Inc. for chipper knives and pick-up cab racks
- \$3,004—Desert Diamond Industries, LLC for fire rescue safety blades
- \$6,595—El Dorado Disposal Service, Inc. for trash disposal service at various locations
- \$3,889—Grainger for fuses, hammers, ball valves an electric wall heater and other miscellaneous operating supplies
- \$23,371—Joe Vicini, Inc. for asphalt patch paving services
- \$14,354—McMaster-Carr Supply Company for pipe fittings, clamps, pressure regulating valves and other miscellaneous operating supplies
- \$3,500—OCT Water Quality Academy for water supply and water treatment training courses
- \$5,459—PG&E for electric service
- \$14,058—Pioneer Americas, LLC for sodium hypochlorite at Reservoir A
- \$5,787—USA Bluebook for a digital controller and laboratory supplies
- \$3,937—Verizon Wireless for cell phone service and equipment

### **Wastewater Operations (Fund 410)**

- \$4,541—CA Water Environment Association for conference and membership dues
- \$7,977—El Dorado Disposal Service, Inc. for grit hauling and disposal
- \$4,530—Flo-Line Technology, Inc. for Waterford 9 Lift Station pump repair materials and labor
- \$4,900—Hiebert Commercial Services for HVAC repair services
- \$4,626—Keller Maritime Associates for syntho-glass rolls
- \$4,228—Ken Grady Company, Inc. for a pneumatic liquid level control sensor
- \$98,969—PG&E for electric service
- \$3,365—Platt Electric Supply for conduit, connectors, bolts, straps and parking lot security lights
- \$8,758—Rexel USA, Inc. for a manual transfer switch, angle adapters and pilot light caps
- \$5,186—Shanley Pump & Equipment, Inc. for pump repair parts at EDHWWTP
- \$37,591—Univar Solutions USA, Inc. for sodium hydroxide at EDHWWTP and DCWWTP

### **Recycled Water Operations (Fund 510)**

- \$7,633—PG&E for electric service

### **Hydroelectric Operations (Fund 610)**

- \$4,773—GEI Consultants, Inc. for dam safety engineering and support services related to El Dorado Forebay Seepage Investigation
- \$9,957—PG&E for electric service
- \$4,238—Sacramento Battery Co, Inc. for various sized batteries
- \$5,114—USDA Forest Service for annual special use fees

### **Recreation Operations (Fund 710) – none to report**

### **Capital Improvement Projects (Construction Funds 140, 340, 440, 540, 640 and 740)**

- \$30,221—4RF USA, Inc. for radios and mounting hardware – El Dorado Hills Radio Replacement (Project #23041.01)
- \$3,959—Amazon Business for computer hardware – El Dorado Hills Radio Replacement (Project #23041.01)
- \$45,600—ControlPoint Engineering, Inc. for SCADA programming and configuration services – Collection System PLC Upgrade (Project #19032.01)
- \$34,348—El Dorado County Transportation Department for utility encroachment fees:
  - >Project #21040.01 – Water Facility Generators - FEMA Grant (\$112)
  - >Project #18040.01 – Forebay Road Waterline Replacement (\$6,580)
  - >Project #23002.01 – Service Line Replacement Program (\$71)
  - >Project #21081.01 – Motherlode Force Main Replacement Program (\$27,585)
- \$21,509—GEI Consultants, Inc. for engineering services – Silver Lake Dam Replacement (Project #19031.01)
- \$15,330—GHD, Inc. for engineering design services:
  - >Project #21008.01 – Diversion-Facility Upgrades (\$3,397)
  - >Project #21013.01 – Flumes 45A, 46A, 47A, and 47B Replacement (\$4,788)
  - >Project #22014.01 – Flume 45 Section 3 Replacement (\$7,145)

- \$71,408—Joe Vicini, Inc. for asphalt patch paving services – Water Service Line Replacement (Project #23002.01)
- \$3,578—Kleinfelder, Inc. for hydroelectric compliance services – FERC: C37.8 Water Temperature Monitoring (Project #06021H.01)
- \$6,705—Rexel USA, Inc. for circuit breakers, pilot lights, surge protection devices and auxiliary contacts – Collection System PLC Upgrade (Project #19032.01)
- \$25,191—Santa Fe Water Systems for three solids handling pumps – Pump Station Rehabilitation and Replacement Program (Project #24005.01)
- \$103,362—Teichert Construction for construction services (\$108,802) – Motherlode Force Main Replacement Program (Project #21081.01). Retention held \$5,440
- \$7,480—Tesco Controls, Inc. for SCADA programming and configuration services – Camino Intertie Pressure Reducing Station #1 Upgrade (Project #20016.01)
- \$37,690—TNT Industrial Contractors, Inc. for construction services (\$39,673) – EDHWWTP WAS DAFT Rehabilitation (Project #21081.01). Retention held \$1,983
- \$163,095—Water Works Engineers, LLC for engineering design services – Sly Park Intertie Improvements (Project #21079.01)



**Employee Expense Reimbursements**  
Warrant Registers dated 02/06/24 and 02/13/24

<b>EMPLOYEE</b>	<b>DESCRIPTION</b>	<b>AMOUNT</b>
Justine Teurman	Shipping of Meters and Probes	\$353.60
Lelan Kay	D4 & D5 36 Hr Training Course	\$275.00
Leslie Voong	SHRM Cert App and Exam Fees	\$467.00
Jeff Holloway	DPR/QAL Application Fees	\$330.00
		\$1,425.60

## EL DORADO IRRIGATION DISTRICT

**SUBJECT:** Consider approving a contract amendment to Water Works Engineers, Inc. in the not-to-exceed amount of \$29,951 for additional design services and authorize additional funding of \$100,111 for construction change orders and contingency, \$25,000 for construction management services, \$20,000 for inspection services, and \$15,000 for capitalized labor for a total funding request of \$190,062 for the Reservoir A Filter Valve Replacement Project, Project No. 22038.01.

### PREVIOUS BOARD ACTION

April 24, 2023 – Board awarded a contract to KPR Consulting, Inc. in the not-to-exceed amount of \$229,280 for the purchase of filter valves and authorized additional funding in the amount of \$25,000 for capitalized labor for a total funding request of \$254,280 for the Reservoir A Filter Valve Replacement Project, Project No. 22038.01.

October 23, 2023 – Board awarded a contract to Big Valley Electric in the not-to-exceed amount of \$1,707,500 for the construction of the Reservoir A Filter Valve Replacement Project and authorized additional funding of \$94,719 for construction engineering services, \$34,685 for construction management, \$24,960 for inspection services, \$26,000 for capitalized labor, and \$192,786 in project contingency for a total funding request of \$2,080,650 for the Reservoir A Filter Valve Replacement Project, Project No. 22038.01.

October 23, 2023 – Board adopted the 2024-2028 Capital Improvement Plan, subject to available funding.

### BOARD POLICIES (BP), ADMINISTRATIVE REGULATIONS (AR) AND BOARD AUTHORITY

BP 3060 Contracts and Procurement

BP 5010 Water Supply Management

### SUMMARY OF ISSUE

An amendment to Water Works Engineers, Inc.'s (Water Works) design contract for the Reservoir A Filter Valve Replacement Project (Project) is needed for additional design effort to accommodate the addition of safety platforms around the new filter inlet valves and previously rebidding the project.

Separately, construction is underway and the contractor has encountered multiple construction conflicts and changed conditions that have exhausted the project contingency budget.

Additional funding is also necessary for the design contract amendment and other construction support services related to coordinating investigations and design changes to address changed field conditions.

### BACKGROUND/DISCUSSION

The Reservoir A Water Treatment Plant (Res A WTP) is a direct filtration plant with a capacity of 56 million gallons per day. Water is routed to the plant from Jenkinson Lake, and following treatment, water is distributed throughout the District's service area. Jenkinson Lake is the District's largest water supply, and Res A WTP is the largest treatment plant, delivering

approximately two-thirds of the District's water supplies annually. The filter complex includes twelve gravity filters, grouped in three clusters of four filters each; each with its own inlet valve. The Res A WTP filter inlet valves have reached the end of their useful lives, and some failures have been observed. If an inlet valve fails, it is necessary to isolate a cluster of filters to make repairs, removing one-third of the plant capacity from service, well below that required to meet summer demands. Therefore, the valves are being replaced to avoid potential disruptions in water service during high-demand periods.

### ***Water Works Engineers, Inc. Contract Amendment***

Water Works is the design engineer for the Project. During final design, an increased level of design effort was necessary to address piping modifications associated with adding valve access platforms for safety reasons. The access platforms were added to provide operations staff access without the need for boom lift utilization. The platforms provide staff with the ability to repair air valves necessary for filter backwashes as well as routine maintenance and troubleshooting during valve failures. Additionally, Water Works incurred increased scope when the District unexpectedly needed to reject the initial bids and rebid the Project due to a valid contractor bid protest related to contractor licensing requirements. Staff is recommending approval of a contract amendment for \$29,951 to address these needs.

Water Works' initial design contract of \$71,947 was approved by the General Manager (GM) on May 1, 2023. Two subsequent scope additions increased the contract amount to \$99,934. This amendment will exceed GM authorization limits pursuant to BP 3060, which provides GM authority up to and including \$100,000 for Capital Improvement Plan projects. Consequently, Board approval of this contract amendment is required.

### ***Construction Challenges***

The Board awarded the Project construction contract to Big Valley Electric on October 23, 2023, for \$1,707,500. A series of challenging issues have occurred since construction began, which requires additional funding to complete the Project.

The January 1, 2024 construction start date was delayed by 21 days as a result of a separate filter media replacement project that was not completed on time due to out-of-specification filter media, as well as some weather induced delays. In addition, 21 days of delay and added cost have been incurred resulting from the discovery of material in the work area requiring abatement. In total, 42 days have been added to the construction contract, impacting an already tight schedule.

Additionally, the contractor is working in an area of the filters not entirely accessible during design due to the plant being in operation, and has subsequently discovered multiple piping and electrical conflicts and changed conditions. The changed conditions have resulted in construction change orders that exceed the remaining balance of the original \$192,786 Project contingency budget approved by the Board when the construction contract was awarded. Identified change orders to date, previously approved by staff or currently undergoing review for approval, cumulatively amount to \$189,535. Table 1 provides a summary of Project contingency budget utilization to date and additional funding needs for construction.

The original schedule included a three month window for valve replacement during the low winter demand period, with one cluster of filters being taken offline each month to facilitate valve replacement. As a result of the delays, it is unlikely there will be adequate time to complete valve replacements in the last filter cluster before demand increases this spring. Therefore, staff anticipates work on the last cluster of filters will need to be completed next winter. The cost associated with this delay will be negotiated with the contractor and is planned for in the additional contingency line item in Table 1.

*Table 1 Project Contingency Budget and Additional Construction Funding Needs*

Project contingency approved by Board with construction contract award	\$192,786
Design contract amendment approved	\$17,987
Construction change orders approved to date (CCO 1-3)	\$80,274
<i>Project contingency remaining for construction</i>	<i>\$94,525</i>
Construction change orders anticipated but not yet approved	\$109,261
Additional contingency requested for potential future change orders (5% of initial construction contract)	\$85,375
<b><i>Additional construction funding needed</i></b>	<b><i>\$100,111</i></b>

**FUNDING**

Funding for the Project was identified in the 2024-2028 CIP (Attachment B) with estimated total project funding of \$2.18 million. Total approved funding to date is approximately \$2.43 million. The above described changed conditions and project delays resulting in the funding needs identified above have also increased the effort for on-call construction management, inspection services, and overall project management. As a result, funding is also needed for these services as summarized in Table 2.

*Table 2 - Additional Funding Request*

Construction change orders and contingency	\$100,111
Water Works design contract amendment	\$29,951
Construction management services	\$25,000
Inspection services	\$20,000
Capitalized labor	\$15,000
<b>Total Additional Funding Request</b>	<b>\$190,062</b>

Table 3 provides a summary of current funding, additional funding requested and total project funding if the funding request is approved by the Board to complete the project.

*Table 3 – Project Funding Summary*

Initial funding approved by General Manager	\$95,000
Valve purchase award by Board	\$254,280
Construction award by Board	\$2,080,650
<b>Total approved funding to date</b>	<b>\$2,429,930</b>
Additional funding request	\$190,062
<b>Total anticipated funding to complete project</b>	<b>\$2,619,992</b>

**BOARD OPTIONS**

**Option 1:** Approve a contract amendment to Water Works Engineers, Inc. in the not-to-exceed amount of \$29,951 for additional design services and authorize additional funding of \$100,111 for construction change orders and contingency, \$25,000 for construction management services, \$20,000 for inspection services, and \$15,000 for capitalized labor for a total funding request of \$190,062 for the Reservoir A Filter Valve Replacement Project, Project No. 22038.01.

**Option 2:** Take other action as directed by the Board.

**Option 3:** Take no action.

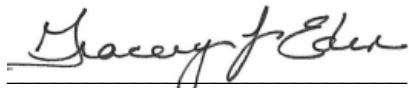
**RECOMMENDATION**

Option 1

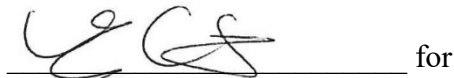
**ATTACHMENTS**

Attachment A: Water Works Engineers, Inc. amendment request

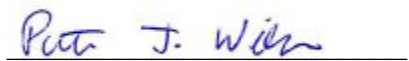
Attachment B: CIP summary



Tracey Eden-Bishop  
Senior Civil Engineer

 for

Jon Money  
Engineering Manager



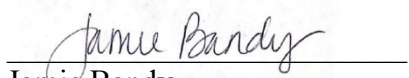
Patrick Wilson  
Water Operations Manager



Brian Mueller  
Engineering Director



Dan Corcoran  
Operations Director



Jamie Bandy  
Finance Director



Brian Poulsen  
General Counsel



Jim Abercrombie  
General Manager



December 15, 2023

**Task Order #5 - EID RESERVOIR 'A' INFLUENT VALVE REPLACEMENT – CONTRACT BUDGET AMENDMENT  
REQUEST – AIR PIPING MODIFICATIONS AND REBID OF PROJECT**

Dear Tracey;

Attached please find my budget amendment request for the subject task order (T.O. #5). This request is based upon the additional effort necessary to perform the modifications to the existing air piping to accommodate the walkway extension design at each of the twelve filter cells. It also includes the additional effort associated with the rebid of the project.

Air Piping Modifications: This element includes the design effort associated with revised air piping modifications made necessary by the addition of the platform extensions. The original design concept for the air piping modifications were minor alignment changes to avoid the new 18-inch influent valve and piping configuration. The platform extensions required several air piping design configuration iterations addressing conflicts with the structural framework as well as positioning the relocated air valves as close as possible to the platform decking to maintain the existing valve stem and actuator height above the platform surface. The approximate effort for this element is \$22,680 and is associated with Task 4: 90% design and Task 5: Final Design Bid Package.

Rebid of the Project: This element includes the effort associated with rebidding the project, consisting of addressing new contractor questions during the second bid phase: The approximate effort for this element is \$7,271 and is associated with Task 6: Assistance During Bidding.

I respectfully request a Contract Amendment in the amount of \$29,951. Please review the foregoing budget amendment request and let me know if you have any questions or would like to schedule a meeting to discuss.

Sincerely,

D. Todd Kotey, P.E.

**Water Works Engineers Fee Estimate**

Client El Dorado Irrigation District  
 Project Reservoir A Design Services Amendment Request - Air Valve Mods and Rebid  
 Prepared by T. Kotey  
 QAQC M. Fisher  
 Date 12/15/2023



		Hours and Fee											
		Task 5		Task 6									
Year		2023		2023									
		Final Design Bid Package		Assistance During Bidding									
2023		hrs	fee	hrs	fee	hrs	fee	hrs	fee	hrs	fee	hrs	fee
<b>Water Works Engineers</b>	<b>Classification Title</b>												
	AA Administrative		\$81										
	T1 CADD Tech 1		\$97										
	T2 CADD Tech 2		\$130										
	T3 CADD Tech 3		\$158										
	E1 Staff Engineer	1	\$143	2	\$286								
	E2 Associate Engineer	79	\$13,825	23.75	\$4,156								
	E3 Senior Project Engineer	0.5		9	\$1,773								
	E5 Principal Engineer	33	\$8,712	4	\$1,056								
	<b>Expenses</b>												
	WWE Expenses (including MU)												
	<b>Subconsultants</b>												
	Subconsultant Markup	10%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	<b>Subtask Totals</b>	<b>113.5</b>	<b>\$22,680</b>	<b>38.75</b>	<b>\$7,271</b>	<b>0</b>	<b>\$0</b>	<b>0</b>	<b>\$0</b>	<b>0</b>	<b>\$0</b>	<b>0</b>	<b>\$0</b>

Project Total	
Hours	Fee
152.25	\$29,951



2024

CAPITAL IMPROVEMENT PLAN

Program:

Water

**Project Number:** 22038  
**Project Name:** Reservoir A Filter Valve Replacements  
**Project Category:** Reliability & Service Level Improvements  
**Priority:** 2 **PM:** Eden-Bishop **Board Approval:**

**Project Description:**

The existing filter inlet valves (twelve in total) at Reservoir A Water Treatment Plant (Res A WTP) have reached the end of their service life and are located in a configuration that can't be safely accessed for ongoing maintenance. This project will replace the filter inlet valves and their associated piping with new AWWA compliant valves and electric operators. The valves were identified in the recently completed Draft WTP Asset Management Plan as critical infrastructure, categorized as "Very High Risk", requiring immediate replacement. The replacement of all valves is scheduled for between November 2023 through April 2024.

**Basis for Priority:**

If an inlet valve fails, it has the potential to remove all four adjacent filter cells, or one third of the plant capacity, from service. This would reduce the capacity of Reservoir A well below required summer demands. Access to the existing valves also poses a significant safety hazard for District personnel. The project was identified in the Draft Water Treatment Plant Asset Management Plan as a high priority 2023 renewal and replacement project due to its age, condition and "High" risk category score.

Project Financial Summary:			
<b>Funded to Date:</b>	\$ 349,280	<b>Expenditures through end of year:</b>	\$ 749,540
<b>Spent to Date:</b>	\$ 99,692	<b>2024 - 2028 Planned Expenditures:</b>	\$ 1,432,917
<b>Cash flow through end of year:</b>	\$ 649,848	<b>Total Project Estimate:</b>	\$ 2,182,457
<b>Project Balance</b>	\$ (400,260)	<b>Additional Funding Required</b>	\$ 1,833,177

Description of Work	Estimated Annual Expenditures					Total
	2024	2025	2026	2027	2028	
Design services during construction	\$ 12,500					\$ 12,500
Construction management and Inspection	\$ 47,750					\$ 47,750
Construction	\$ 1,360,167					\$ 1,360,167
Capitalized labor	\$ 12,500					\$ 12,500
<b>TOTAL</b>	\$ 1,432,917	\$ -	\$ -	\$ -	\$ -	\$ 1,432,917

Funding Sources	Percentage	2024	Amount
Water FCC	48%		\$879,925
Water Rates	52%		\$953,252
<b>Total</b>	<b>100%</b>		<b>\$1,833,177</b>

Funding Comments:



# Reservoir A Filter Valve Replacement Project

Design Contract Amendment and Project Funding

Project No. 22038.01

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February 26, 2024

# Previous Board Actions

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- April 24, 2023 – Board awarded a contract to KPR Consulting, Inc. in the not-to-exceed amount of \$229,280 for the purchase of filter valves and authorized additional funding in the amount of \$25,000 for capitalized labor for a total funding request of \$254,280 for the Reservoir A Filter Valve Replacement Project, Project No. 22038.01
- October 23, 2023 – Board adopted the 2024-2028 Capital Improvement Plan, subject to available funding

# Previous Board Actions

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- October 23, 2023 - Board awarded a contract to Big Valley Electric in the not-to-exceed amount of \$1,707,500 for the construction of the Reservoir A Filter Valve Replacement Project and authorized additional funding of \$94,719 for construction engineering services, \$34,685 for construction management, \$24,960 for inspection services, \$26,000 for capitalized labor, and \$192,786 in project contingency for a total funding request of \$2,080,650 for the Reservoir A Filter Valve Replacement Project, Project No. 22038.01

# Summary of Issue

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- Contract amendment needed for increased design effort to accommodate safety platforms around new filter valves and previously rebid the project
- Contractor has encountered multiple construction conflicts and changed conditions that will exhaust the project contingency
- Additional funding needed for other construction support services

# Background

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## Reservoir A Water Treatment Plant

# Background

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Filter Complex

- Filter complex includes 12 filters, grouped in 3 clusters of 4 filters
- Filter inlet valves at end of useful life
- Failure of one inlet valve will cause an entire cluster to be taken out of service
- Valves being replaced to avoid service disruption

# Discussion

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## **Water Works Contract Amendment**

- Piping modifications associated with addition of valve access platforms for safety purposes
- Rebidding project related to contractor licensing issues
- Amendment of \$29,951 increases contract above \$100,000 GM authority
- Board approval requested



# Discussion

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## Construction Challenges

- Contract award Oct 2023 with January 1 start
- Variety of factors have contributed to delays
  - Late construction start
  - Discovery of materials requiring special handling
  - Portion of work will likely be completed next winter
- Multiple change orders will exhaust contingency
  - Inaccessible areas
  - Piping and electrical conflicts

# Discussion

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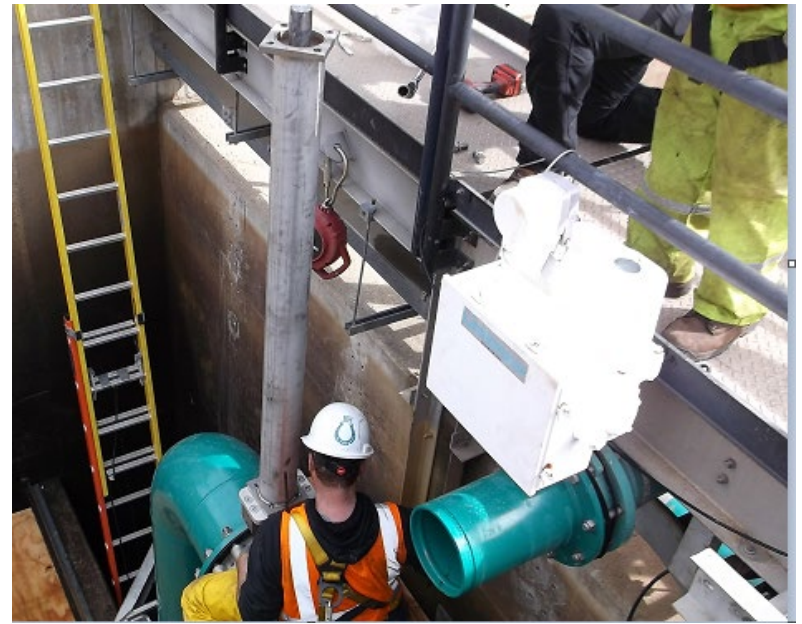
Project Contingency Budget and Additional Construction Funding Need	
Project contingency approved by Board	\$192,786
Design contract amendment	\$17,987
Construction change orders approved to date	\$80,274
<i>Project contingency remaining for construction</i>	<i>\$94,525</i>
Construction change orders anticipated but not yet approved	\$109,261
Additional contingency requested for future change orders	\$85,375
<b>Additional construction funding needed</b>	<b>\$100,111</b>

*Note: Total approved and anticipated changes orders are \$189,535 or 11% of original construction contract amount*

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New valves and actuators



New Piping

New electrical disconnects



# Discussion

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## Other Funding Needs

- Increased level of effort for overall project management
  - Construction management
  - Inspection
  - Capitalized labor

# Funding

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- Identified in 2024-2028 CIP
- Funding to date: \$2.4 million

Additional Funding Request	
Construction change orders and contingency	\$100,111
Water Works contract amendment	\$29,951
Construction management	\$25,000
Inspection services	\$20,000
Capitalized labor	\$15,000
<b>Total funding request</b>	<b>\$190,062</b>

# Funding

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Project Funding Summary	
Initial funding approved by General Manager	\$95,000
Valve purchase award by Board	\$254,280
Construction award by Board	2,080,650
<b>Funding to date</b>	<b>\$2,429,930</b>
Additional funding request	\$190,062
<b>Total project funding</b>	<b>\$2,619,992</b>

# Board Options

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- **Option 1:** Approve a contract amendment to Water Works Engineers, Inc. in the not-to-exceed amount of \$29,951 for additional design services and authorize additional funding of \$100,111 for construction change orders and contingency, \$25,000 for construction management services, \$20,000 for inspection services, and \$15,000 for capitalized labor for a total funding request of \$190,062 for the Reservoir A Filter Valve Replacement Project, Project No. 22038.01.
- **Option 2:** Take other action as directed by the Board
- **Option 3:** Take no action

# Recommendation

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- Option 1



# Questions/Comments

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