



AGENDA
REGULAR MEETING OF THE BOARD OF DIRECTORS
District Board Room, 2890 Mosquito Road, Placerville, California
May 22, 2023 — 9:00 A.M.

Board of Directors

Brian K. Veerkamp—Division 3
President

Alan Day—Division 5
Vice President

George Osborne—Division 1
Director

Pat Dwyer—Division 2
Director

Lori Anzini—Division 4
Director

Executive Staff

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

Tim Ranstrom
Information Technology

Dan Corcoran
Operations

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.

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 at least 72 hours prior to the meeting. Advance notification within this guideline will enable the District to make reasonable accommodations to ensure accessibility.

District Board Meetings are open to in-person attendance by the public and conducted virtually. The public may participate in the District's Board meeting by teleconference or web conference via the instructions provided below. Members of the public who participate in the meeting via teleconference or web conference will be given the opportunity to speak and address the Board, and their comments will be included in the recording of the meeting.

The meeting materials will be available for download from the District's website at www.eid.org. Video recordings of archived Board meetings can be found at the District's YouTube channel at www.EID.org/YouTube where they are retained in compliance with the District's retention schedule.

PUBLIC PARTICIPATION INSTRUCTIONS

Instructions to join the Board Meeting by telephone only

No accompanying computer or mobile device 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.

Instructions to join the Board Meeting from your computer or mobile device

Click the following join link or copy and paste into your browser <https://zoom.us/j/94563608941>.

If the device being used *is* equipped with a microphone and speaker, participants may view the presentation live and listen to Board meeting audio. You may address the Board during public comment periods by clicking on the "raise a hand" button.

If the device being used *is not* equipped with a microphone, participants may view the presentation live and listen to Board meeting audio using the link above. Participants may address the Board during public comment periods by using the call in instructions above and pressing *9 on the telephone keypad.

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 April 24, 2023 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. Office of the General Counsel (Sarge)

Consider adopting a resolution quitclaiming an unused sewer easement to the landowner of Assessor Parcel No. 109-480-038.

Option 1: Adopt a resolution quitclaiming an unused sewer easement to the landowner of Assessor Parcel No. 109-480-038.

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

Option 3: Take no action.

Recommended Action: Option 1.

3. Engineering (DeLongchamp)

Consider adopting a resolution to approve and authorize the execution of a grant of a non-exclusive utility easement to Pacific Gas and Electric Company on Assessor Parcel No. 327-250-035.

Option 1: Adopt a resolution to approve and authorize the execution of a grant of a non-exclusive utility easement to Pacific Gas and Electric Company on Assessor Parcel No. 327-250-035.

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

Option 3: Take no action.

Recommended Action: Option 1.

4. Engineering (Deason)

Consider approving an updated funding agreement with El Dorado County in the not-to-exceed amount of \$173,940 for preparation of an Environmental Impact Report for the Texas Hill Reservoir Parcel Rezones and General Plan Amendment.

Option 1: Approve an updated funding agreement with El Dorado County in the not-to-exceed amount of \$173,940 for preparation of an Environmental Impact Report for the Texas Hill Reservoir Parcel Rezones and General Plan Amendment.

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

Option 3: Take no action.

Recommended Action: Option 1.

END OF CONSENT CALENDAR

ACTION ITEMS

5. Finance (Bandy)

Consider ratifying EID General Warrant Registers for the periods ending April 18, April 25, May 2 and May 9, 2023, 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 (DeLongchamp)

Consider approving contract amendments to Cal Sierra Construction, Inc. in the not-to-exceed amount of \$754,816 for rafter replacement and roof rehabilitation and MCS Inspection Group in the not-to-exceed amount of \$69,677 for specialty coating inspection and authorize additional funding of \$25,000 for specialty welding inspection, \$27,000 for capitalized labor and \$75,480 in contingencies for a total funding request of \$951,973 for the Bass Lake Tank #2 Rafter Replacement and Roof Rehabilitation Project, Project No. 23020.01.

Option 1: Award contract amendments to Cal Sierra Construction, Inc. in the not-to-exceed amount of \$754,816 for rafter replacement and roof rehabilitation and MCS Inspection Group in the not-to-exceed amount of \$69,677 for specialty coating inspection and authorize additional funding of \$25,000 for specialty weld inspection, \$27,000 for capitalized labor, and \$75,480 in contingencies for a total funding request of \$951,973 for the Bass Lake Tank #2 Rafter Replacement and Roof Rehabilitation Project, Project No. 23020.01.

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

Option 3: Take no action.

Recommended Action: Option 1.

7. Engineering (Eden-Bishop)

Consider awarding a contract to Auburn Constructors LLC in the not-to-exceed amount of \$374,300 for the construction of the El Dorado Hills Wastewater Treatment Plant Secondary Effluent Pump Station Modifications Project and authorize additional funding of \$19,926 for engineering services during construction, \$24,310 for inspection services, \$4,912 for testing services, \$30,000 for capitalized labor, and \$37,400 in construction contingency for a total funding request of \$490,848 for the El Dorado Hills Wastewater Treatment Plant Secondary Effluent Pump Station Modifications Project, Project No. 21077.01, which staff has determined is exempt from the California Environmental Quality Act.

Option 1: Award a contract to Auburn Constructors, Inc. in the not-to-exceed amount of \$374,300 for construction of the El Dorado Hills Wastewater Treatment Plant Secondary Effluent Pump Station Modifications Project and authorize additional funding in the amount of \$19,926 for engineering services during construction, \$24,310 for inspections services, \$4,912 for testing services, \$30,000 for capitalized labor and \$37,400 in construction contingency for a total funding request of \$490,848 for the El Dorado Hills Wastewater Treatment Plant Secondary Effluent Pump Station Modifications Project, Project No. 21077.01, which staff has determined is exempt from the California Environmental Quality Act.

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

Option 3: Take no action.

Recommended Action: Option 1.

Action Items continued

8. Finance/Operations (Deakyne/Wilson/Crane)

Consider awarding contracts to Univar Solutions USA, Inc. and Olin Chlor Alkali Products in the not-to-exceed amounts of \$699,207 and \$907,619, respectively, to supply as-needed liquid sodium hydroxide and liquid sodium hypochlorite for water and wastewater treatment for a period of one year.

Option 1: Award contracts to Univar Solutions USA, Inc. and Olin Chlor Alkali Products in the not-to-exceed amounts of \$699,207 and \$907,619, respectively, to supply as-needed liquid sodium hydroxide and liquid sodium hypochlorite for water and wastewater treatment for a period of one year.

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 Sections 54956.9(d)(2)

(one potential case: California River Watch Notice of Intent to Sue Under Clean Water Act)

REVIEW OF ASSIGNMENTS

ADJOURNMENT

TENTATIVELY SCHEDULED ITEMS FOR FUTURE MEETINGS

Clerk to the Board

- Nomination of Jim Abercrombie to Association of California Water Agencies Region 3 Board, Consent, June 12 (Sullivan)

Engineering

- Alternative Energy Savings Report, Information, June 12 (Money/Dawson)
- Silver Lake Campground Well construction contract, Action, June 12 (Kelsch/Delongchamp)
- Forebay Road and Drop Off Road Waterline Replacement Project construction contract, Action, June 12 (Delongchamp)
- Reservoir A Master Programmable Logic Controller replacement and El Dorado Hills Wastewater Treatment Plant Filter Rehabilitation Capital Improvement Plan funding requests, Consent, June 12 (Money/Eden-Bishop)
- Capital Improvement Plan Project Completion Summary, Information, June 12 (Carrington)

Finance

- Cost of Service Analysis, Workshop, June 12 (Bandy)

Office of the General Counsel

- District positions on proposed state legislation, Action, June 12 (Leeper)
- Easement Quitclaim Assessor Parcel No. 317-170-013, Consent, June 12 (Sarge)

Operations

- Review of 2023 Water Supply Conditions, Information, June 12 (Baxter)

EL DORADO IRRIGATION DISTRICT

May 22, 2023

General Manager Communications

Awards and Recognitions

- a) The District received a call from Paul Julian, District customer complimenting Josh Schulz, Construction and Maintenance Worker in the Drinking Water Division. He stated Josh “responded in a very timely manner, completed the work very efficiently, and put everything back to right afterwards.” This is a great example of Josh’s commitment to the District’s guiding principle *Excellent Customer Service*. Great job, Josh!

Staff Reports and Updates

None



MINUTES
REGULAR MEETING OF THE BOARD OF DIRECTORS
 District Board Room, 2890 Mosquito Road, Placerville, California
 April 24, 2023 — 9:00 A.M.

Board of Directors

Brian K. Veerkamp—Division 3
 President

Alan Day—Division 5
 Vice President

George Osborne—Division 1
 Director

Pat Dwyer—Division 2
 Director

Lori Anzini—Division 4
 Director

Executive Staff

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

Tim Ranstrom
 Information Technology

Dan Corcoran
 Operations

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.

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 at least 72 hours prior to the meeting. Advance notification within this guideline will enable the District to make reasonable accommodations to ensure accessibility.

District Board Meetings are open to in-person attendance by the public and conducted virtually. The public may participate in the District's Board meeting by teleconference or web conference via the instructions provided below. Members of the public who participate in the meeting via teleconference or web conference will be given the opportunity to speak and address the Board, and their comments will be included in the recording of the meeting.

The meeting materials will be available for download from the District's website at www.eid.org. Video recordings of archived Board meetings can be found at the District's YouTube channel at www.EID.org/YouTube where they are retained in compliance with the District's retention schedule.

PUBLIC PARTICIPATION INSTRUCTIONS

Instructions to join the Board Meeting by telephone only

No accompanying computer or mobile device 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.

Instructions to join the Board Meeting from your computer or mobile device

Click the following join link or copy and paste into your browser <https://zoom.us/j/94563608941>.

If the device being used *is* equipped with a microphone and speaker, participants may view the presentation live and listen to Board meeting audio. You may address the Board during public comment periods by clicking on the "raise a hand" button.

If the device being used *is not* equipped with a microphone, participants may view the presentation live and listen to Board meeting audio using the link above. Participants may address the Board during public comment periods by using the call in instructions above and pressing *9 on the telephone keypad.

CALL TO ORDER

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

Roll Call Board

Present: Directors Osborne, Dwyer, Veerkamp, Anzini and Day

Staff

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

Pledge of Allegiance and Moment of Silence

Director Anzini led the Pledge of Allegiance.

ADOPT AGENDA

ACTION: Agenda was adopted.

MOTION PASSED

Ayes: Directors Day, Dwyer, Osborne, Veerkamp and Anzini

COMMUNICATIONS

Awards and Recognitions

General Manager Abercrombie recognized EID staff members Joel Beall and Lelan Kay.

PUBLIC COMMENT

None

COMMUNICATIONS

General Manager

None

Clerk to the Board

None

Board of Directors

Director Anzini reported on her attendance at the Mountain Counties Water Resources Association (MCWRA) meeting and an upcoming MCWRA meeting to be held in Santa Clara.

Director Osborne thanked staff for their hard work and dedication in restoring operations of the El Dorado Canal and Powerhouse following a series of powerful winter storms.

APPROVE CONSENT CALENDAR

ACTION: Director Day pulled Item No. 3. Consent Calendar was then approved as amended.

MOTION PASSED

Ayes: Directors Osborne, Dwyer, Veerkamp, Anzini and Day

CONSENT CALENDAR

1. Clerk to the Board (Sullivan)

Consider approving the minutes of the March 27, 2023 regular meeting of the Board of Directors.

ACTION: Option 1: Approved as submitted.

MOTION PASSED

Ayes: Directors Osborne, Dwyer, Veerkamp, Anzini and Day

2. Clerk to the Board (Sullivan)

Consider the El Dorado Local Agency Formation Commission election of Special District Representatives ballot and concur with Board President Veerkamp's recommendation.

ACTION: Option 1: Concurred with Board President Veerkamp's ballot recommendation for the El Dorado Local Agency Formation Commission Election.

MOTION PASSED

Ayes: Directors Osborne, Dwyer, Veerkamp, Anzini and Day

3. Engineering (Mueller)

Consider rescinding the District's Stage 1 Water Alert and return to normal water supply conditions.

ACTION: Option 1: Rescinded the District's Stage 1 Water Alert and return to normal water supply conditions.

MOTION PASSED

Ayes: Directors Day, Anzini, Osborne, Dwyer and Veerkamp

4. Engineering (Eden-Bishop)

Consider awarding a contract to KPR Consulting, Inc. in the not-to-exceed amount of \$229,280 for the purchase of filter valves and authorize 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.

ACTION: Option 1: 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 Valve Replacement Project, Project No. 22038.01.

MOTION PASSED

Ayes: Directors Osborne, Dwyer, Veerkamp, Anzini and Day

5. Office of the General Counsel (Leeper)

Consider adopting amended Conflict of Interest Code.

ACTION: Option 1: Adopted amended Conflict of Interest Code.

MOTION PASSED

Ayes: Directors Osborne, Dwyer, Veerkamp, Anzini and Day

END OF CONSENT CALENDAR

PUBLIC HEARING

6. Engineering (Baron)

Consider adopting a Mitigated Negative Declaration pursuant to the California Environmental Quality Act for the Right-of-Way Reinforcement Program.

Public Hearing opened at 9:10 A.M.

Public Comment: Steven Kelsey

Mike Collins

Gosia Porwit

ACTION: Option 1: ● Adopted the proposed Mitigated Negative Declaration and Mitigation, Monitoring and Reporting Program.
● Made the following findings pursuant to the California Environmental Quality Act (CEQA):

- based on the whole record, there is no substantial evidence that the Project will have a significant effect on the environment;
- the mitigation measures required for the Project reduce potentially significant impacts to levels that are less-than-significant;
- the Mitigated Negative Declaration reflects EID's independent judgment and analysis; and
- the documents or other material, which constitute the record of proceedings upon which this decision is based, shall be in the custody of the Clerk to the Board at El Dorado Irrigation District Headquarters.

● Approved the Project in accordance with CEQA.

MOTION PASSED

Ayes: Directors Osborne, Day, Dwyer, Veerkamp and Anzini

ACTION ITEMS

7. Finance (Bandy)

Consider ratifying EID General Warrant Registers for the periods ending March 21, March 28, April 4 and April 11, 2023, and Employee Expense Reimbursements for these periods.

Director Veerkamp recused himself from the deliberations and vote on this Item.

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

MOTION PASSED

Ayes: Directors Dwyer, Osborne, Anzini and Day

8. Engineering (Money)

Consider approving contract amendments to Water Works Engineers, Inc. in the not-to-exceed amount of \$124,988 for geotechnical investigations and Area West Engineers, Inc. in the not-to-exceed amount of \$21,680 for additional topographic surveys; and authorize additional funding of \$146,668 for the Sly Park Intertie Improvements Project, Project No. 21079.

ACTION: Option 1: Approved contract amendments to Water Works Engineers, Inc. in the not-to-exceed amount of \$124,988 for geotechnical investigations and Area West Engineers, Inc. in the not-to-exceed amount of \$21,680 for additional topographic surveys; and authorized additional funding of \$146,668 for the Sly Park Intertie Improvements Project, Project No. 21079.

MOTION PASSED

Ayes: Directors Osborne, Anzini, Dwyer, Veerkamp and Day

9. Engineering (Money)

Consider awarding a contract to TNT Industrial Contractors, Inc. in the not-to-exceed amount of \$805,730 for construction of the Diversion Facility Upgrades Project and authorize additional funding of \$77,361 for engineering construction support, \$60,000 for capitalized labor, and \$94,000 in project contingency for a total funding request of \$1,037,091 for the Diversion Facility Upgrades Project, Project No. 21008, which staff has determined is exempt from the California Environmental Quality Act.

ACTION: Option 1: Awarded a contract to TNT Industrial Contractors, Inc. in the not-to-exceed amount of \$805,730 for construction of the Diversion Facility Upgrades Project and authorized additional funding of \$77,361 for engineering construction support, \$60,000 for capitalized labor, and \$94,000 in project contingency for a total funding request of \$1,037,091 for the Diversion Facility Upgrades Project, Project No. 21008, which staff has determined is exempt from the California Environmental Quality Act.

MOTION PASSED

Ayes: Directors Dwyer, Anzini, Osborne, Veerkamp and Day

REVIEW OF ASSIGNMENTS

Director Osborne requested staff prepare an assessment of the Echo Conduit failure potential due to recent severe weather conditions.

ADJOURNMENT

President Veerkamp adjourned the meeting at 10:19 A.M.

Brian K. Veerkamp
Board President
EL DORADO IRRIGATION DISTRICT

ATTEST

Jennifer Sullivan
Clerk to the Board
EL DORADO IRRIGATION DISTRICT

Approved: _____

EL DORADO IRRIGATION DISTRICT

SUBJECT: Consider adopting a resolution quitclaiming an unused sewer easement to the landowner of Assessor Parcel No. 109-480-038.

PREVIOUS BOARD ACTION

None

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

Water Code Sections 22500 and 22502

SUMMARY OF ISSUE

The landowner of Assessor Parcel Number (APN) 109-480-038 requests the District quitclaim its property interests of the unused sewer easement on their property in Cameron Park, California. After confirming there are no District sewer utilities within the easement, and no consideration for future development, staff recommends the easement be quitclaimed.

BACKGROUND/DISCUSSION

District staff has researched the landowner's request and prepared an easement quitclaim relinquishing the District's interest in the sewer easement within APN 109-480-038. Although the District is not specified as the grantee for the sewer easement, staff recommends quitclaiming its interest in the easement to resolve any cloud on the title created by the sewer easement. Easement quitclaims are required to be presented to the District's Board of Directors for review and approval by resolution. After approval by the Board, easement quitclaims are then recorded at the El Dorado County Recorder's Office. An easement quitclaim is provided as Exhibit A-1 to the proposed resolution.

BOARD OPTIONS

Option 1: Adopt a resolution quitclaiming an unused sewer easement to the landowner of Assessor Parcel No. 109-480-038.

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

Option 3: Take no action.

RECOMMENDATION

Option 1

ATTACHMENTS

Attachment A: Proposed resolution



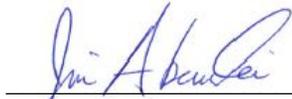
Rachel Sarge
Legal Secretary



Dan Corcoran
Operations Director



Brian Poulsen
General Counsel



Jim Abercrombie
General Manager

1 **RESOLUTION OF THE BOARD OF DIRECTORS OF**
2 **EL DORADO IRRIGATION DISTRICT**
3 **APPROVING AND AUTHORIZING EXECUTION OF EASEMENT QUITCLAIM**
4 **ASSESSOR PARCEL NUMBER 109-480-038**

5 WHEREAS, property owner of Assessor Parcel Number 109-480-038 (Property) requested
6 the El Dorado Irrigation District approve an easement quitclaim for an unused sewer easement
7 (Subject Easement) found on their Property in Cameron Park, California; and

8 WHEREAS, El Dorado Irrigation District does not have sewer utilities within the easement
9 and no consideration for future development; and

10 WHEREAS, El Dorado Irrigation District is not the specified grantee of Subject Easement;
11 and

12 WHEREAS, El Dorado Irrigation District no longer requires the Subject Easement rights; and

13 WHEREAS, the requested easement to be quitclaimed does not affect District operations; and

14 WHEREAS, El Dorado Irrigation District desires to relieve itself of all administrative and
15 legal responsibilities associated with the portion of the Subject Easement to be quitclaimed.

16 NOW THEREFORE, El Dorado Irrigation District does hereby authorize and approve
17 execution of an easement quitclaim to certain property interests held in the real property identified
18 by Assessor Parcel Number 109-480-038 attached hereto as Exhibit A-1.

19 ///

20 ///

21 ///

22 ///

23 ///

24 ///

25 ///

26 ///

27 ///

1 The foregoing Resolution was introduced at a regular meeting of the Board of Directors of the
2 EL DORADO IRRIGATION DISTRICT, held on the 22nd day of May 2023, by Director who
3 moved its adoption. The motion was seconded by Director and a poll vote taken which stood as
4 follows:

5 AYES:

6 NOES:

7 ABSENT:

8 ABSTAIN:

9 The motion having a majority of votes "Aye", the resolution was declared to have been
10 adopted, and it was so ordered.

11 _____
12 Brian K. Veerkamp, President
13 Board of Directors
14 EL DORADO IRRIGATION DISTRICT

15 ATTEST:

16 _____
17 Jennifer Sullivan
18 Clerk to the Board
19 EL DORADO IRRIGATION DISTRICT

20 (SEAL)

21 ///

22 ///

23 ///

24 ///

25 ///

26 ///

27 ///

I, the undersigned, Clerk to the Board of the EL DORADO IRRIGATION DISTRICT hereby certify that the foregoing resolution is a full, true and correct copy of a Resolution of the Board of Directors of the EL DORADO IRRIGATION DISTRICT entered into and adopted at a regular meeting of the Board of Directors held on the 22nd day of May 2023.

Jennifer Sullivan
Clerk to the Board
EL DORADO IRRIGATION DISTRICT

///

///

///

///

///

///

///

///

///

///

///

///

///

///

///

///

///

///

Recording Requested By, & Mail To:
El Dorado Irrigation District
c/o Aaron Dinsdale, RWA
2890 Mosquito Road
Placerville, CA 95667

Name: 20' Foot Sewer Easement Quitclaim

APN 109-480-038

Documentary Transfer Tax \$ 0 RTT 11911

Declarant: _____

For County Recorder's Use Only

EASEMENT QUITCLAIM

EL DORADO IRRIGATION DISTRICT does hereby REMISE, RELEASE AND FOREVER QUITCLAIM to **CAMERADO RV BOAT & EQUIPMENT STORAGE INC.**, a portion of certain real properties located within the County of El Dorado, State of California, all right, title, and interest in real property and described more precisely as a portion of the 20' foot wide sewer easement traversing across Tract 1, as shown on Record of Survey Book 29 Page 45, and which easement specifically references Parcel Map Book 48 Page 141, in the Official Records of El Dorado County, State of California. Said easement contains no District sewer utilities, and is not required for future development.

EL DORADO IRRIGATION DISTRICT

By: _____
Brian K. Veerkamp
President of the Board of Directors

Date: _____

By: _____
Jim Abercrombie
General Manager

Date: _____

~ Notary Acknowledgement Attached~

CALIFORNIA ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }
County of _____ }

On _____ before me, _____,
Date Here Insert Name and Title of the Officer

personally appeared _____
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Place Notary Seal and/or Stamp Above

Signature _____
Signature of Notary Public

OPTIONAL

Completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

Corporate Officer – Title(s): _____

Partner – Limited General

Individual Attorney in Fact

Trustee Guardian or Conservator

Other: _____

Signer is Representing: _____

Signer's Name: _____

Corporate Officer – Title(s): _____

Partner – Limited General

Individual Attorney in Fact

Trustee Guardian or Conservator

Other: _____

Signer is Representing: _____

29/45

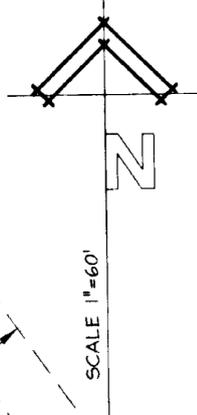
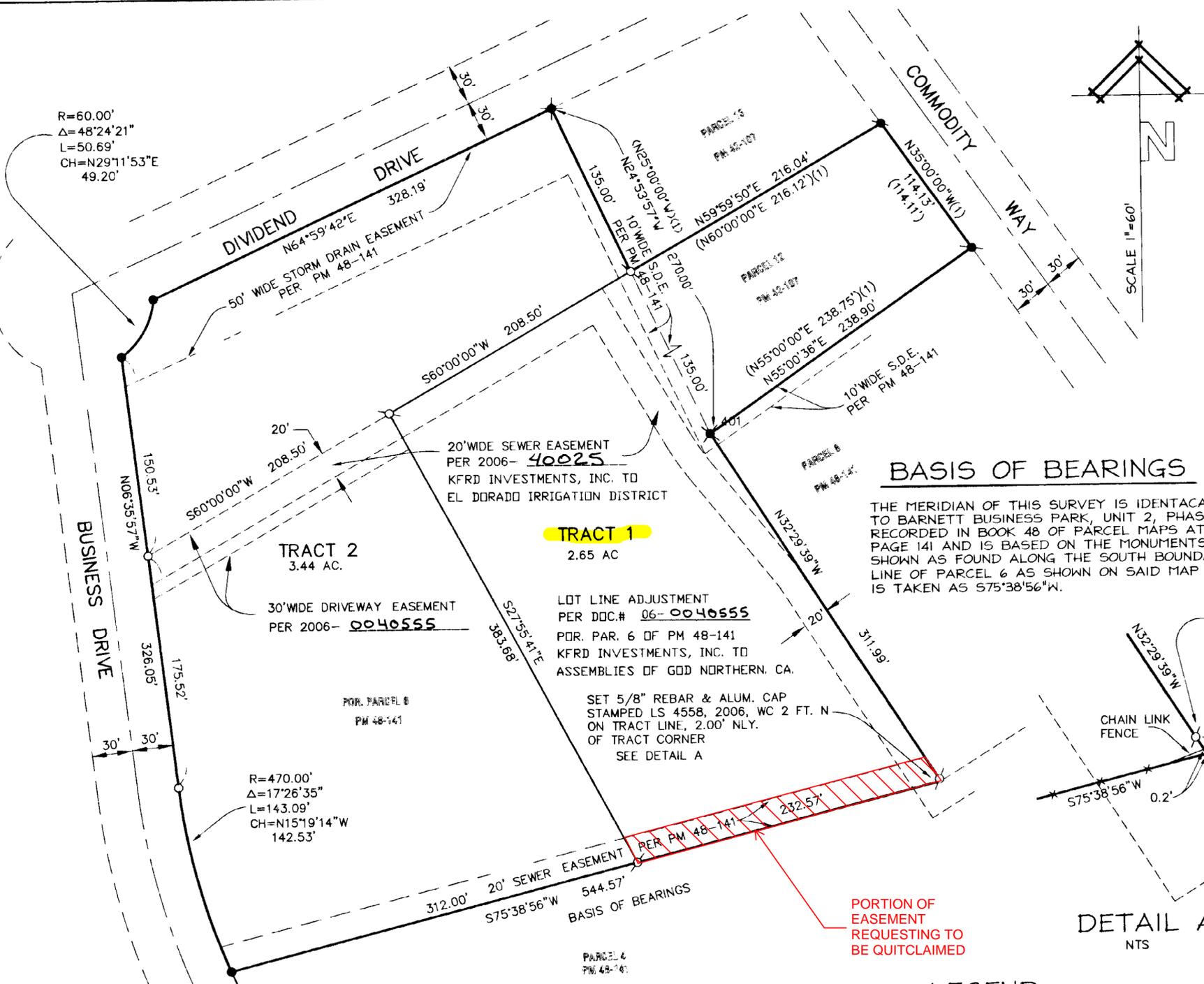
sh/bc

RECORD OF SURVEY

A PORTION OF THE SOUTHEAST 1/4 OF SECTION 11,
TOWNSHIP 9 NORTH, RANGE 9 EAST OF M.D.M.
BEING PARCEL 6 IN BARNETT BUSINESS PARK
UNIT 2, PHASE 2, RECORDED IN BOOK 48 OF
PARCEL MAPS AT PAGE 141.

COUNTY OF EL DORADO STATE OF CALIFORNIA
APRIL, 2006 SCALE 1"=60'
DIMENSION CONTROL-LAND SURVEYORS
SHEET 1 OF 1 SHEETS

R=60.00'
Δ=48°24'21"
L=50.69'
CH=N29°11'53"E
49.20'



BASIS OF BEARINGS

THE MERIDIAN OF THIS SURVEY IS IDENTICAL TO BARNETT BUSINESS PARK, UNIT 2, PHASE 2 RECORDED IN BOOK 48 OF PARCEL MAPS AT PAGE 141 AND IS BASED ON THE MONUMENTS SHOWN AS FOUND ALONG THE SOUTH BOUNDARY LINE OF PARCEL 6 AS SHOWN ON SAID MAP AND IS TAKEN AS S75°38'56"N.



SURVEYOR'S STATEMENT

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYORS ACT AT THE REQUEST OF KFRD INVESTMENTS IN APRIL, 2006.

Earl F. Kistner
EARL F. KISTNER
L.S. 4558 LICENSE EXPIRATION DATE 9-30-2007

COUNTY SURVEYOR'S STATEMENT

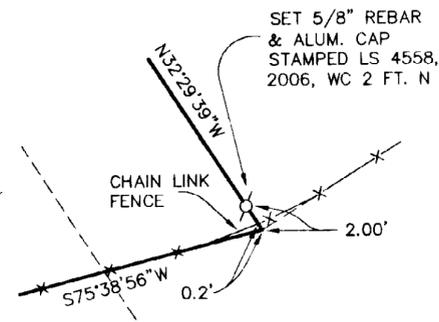
THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH SECTION 8766 OF THE PROFESSIONAL LAND SURVEYORS ACT THIS 7TH DAY OF JUNE, 2006

DANIEL RUSSELL
DANIEL S. RUSSELL L.S. 5017 LICENSE EXPIRES 12-31-07
COUNTY SURVEYOR
COUNTY OF EL DORADO, CALIFORNIA

BY: *Richard L. Briner*
RICHARD L. BRINER L.S. 5084 LICENSE EXPIRES 06-30-07
DEPUTY SURVEYOR
COUNTY OF EL DORADO, CALIFORNIA



DETAIL A



PORTION OF EASEMENT REQUESTING TO BE QUITCLAIMED

LEGEND

- SET 5/8" REBAR & ALUM. CAP STAMPED LS 4558, 2006
- FOUND 1 1/2" CIP STAMPED RCE 26342, 1988
- FOUND 5/8" REBAR & ALUM. CAP STAMPED LS 4558, 2005
- DIMENSION POINT, NOTHING FOUND OR SET
- FOUND 3/4" CIP STAMPED RCE 26342, 1988

REFERENCES

PM 42-107 (1)
PM 48-141

NOTES

THE PURPOSE OF THIS SURVEY IS TO DELINEATE AND SHOW THE MONUMENTATION OF THE LOT LINE ADJUSTMENT BLA 05-124, APPROVED JANUARY 27, 2006 AS REQUIRED BY SECTION 8762 (b) (5) OF THE PROFESSIONAL LAND SURVEYORS' ACT.

EXISTING ASSESSOR PARCEL NO. 109-480-06 & 109-420-12

RECORDER'S STATEMENT

FILED THIS 16TH DAY OF JUNE 2006, AT 13:52:52
IN BOOK 29 OF RECORD OF SURVEYS AT PAGE 45
AT THE REQUEST OF DIMENSION CONTROL

DOCUMENT NO. 2006-40556
William E. Schultz
WILLIAM E. SCHULTZ
COUNTY RECORDER, CLERK
COUNTY OF EL DORADO, CALIFORNIA
BY: *Justin Kelle*
DEPUTY

29/45

29/45

EL DORADO IRRIGATION DISTRICT

SUBJECT: Consider adopting a resolution to approve and authorize the execution of a grant of a non-exclusive utility easement to Pacific Gas and Electric Company on Assessor Parcel No. 327-250-035.

PREVIOUS BOARD ACTION

None

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

Water Code Section 22502

SUMMARY OF ISSUE

The County of El Dorado (County) is constructing the Old Depot Bike Park (Bike Park) on a parcel directly southeast of a District-owned parcel located on Old Depot Road in Diamond Springs. Pacific Gas and Electric Company (PG&E) has determined that additional easement rights are required from the District to provide a new electrical service line to the Bike Park.

BACKGROUND/DISCUSSION

The District owns a parcel, Assessor Parcel No. (APN) 327-250-035, located on Old Depot Road in Diamond Springs, between Missouri Flat Road and Highway 49. The parcel is an access parcel for the Bray Reservoir property. This property was acquired many years ago along with adjacent parcels to provide access to a potential headquarters location (which never occurred), and the area has also been studied as a potential future water treatment plant site. The access parcel is encumbered with a non-exclusive road and public utility easement that provides access from Old Depot Road to adjoining land-locked parcels owned by the District. The parcel is also encumbered by a pole line easement owned by PG&E, contiguous power lines, and a single power pole.

PG&E contacted the District requesting a grant of easement to construct a new electrical service line that will serve the Bike Park on the adjacent County-owned parcel. Staff reviewed existing easements and determined that the entire parcel is encumbered with a public utility easement that would typically permit the placement of a new public electrical service. The requested easement to PG&E is, therefore, consistent with the existing public utility easement status of the parcel and does not materially change the existing encumbrances to the parcel. Additionally, the new electrical service line will provide a public benefit to the community by supplying power for the County's Bike Park.

Staff recommends the Board adopt a resolution to approve and authorize the execution of a grant of a non-exclusive utility easement to PG&E on APN 327-250-035 (Attachment A). The grant of easement will not hinder any future District plans for development of our adjacent property if determined feasible.

BOARD OPTIONS

Option 1: Adopt a resolution to approve and authorize the execution of a grant of a non-exclusive utility easement to Pacific Gas and Electric Company on Assessor Parcel No. 327-250-035.

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

Option 3: Take no action.

RECOMMENDATION

Option 1

ATTACHMENTS

Attachment A: Proposed resolution

Attachment B: Easement documentation

Attachment C: Location map



Aaron Dinsdale
Engineering Technician II



Kailee Delongchamp
Associate Engineer



Elizabeth Dawson
Engineering Manager

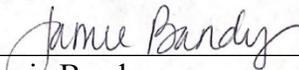
for



Brian Mueller
Engineering Director



Dan Corcoran
Operations Director



Jamie Bandy
Finance Director



Brian Poulsen
General Counsel



Jim Abercrombie
General Manager

**RESOLUTION OF THE BOARD OF DIRECTORS OF
EL DORADO IRRIGATION DISTRICT
APPROVING AND AUTHORIZING THE EXECUTION OF A GRANT
OF EASEMENT
TO PACIFIC GAS AND ELECTRIC COMPANY
APN 327-250-035**

WHEREAS, the Pacific Gas and Electric Company (“PG&E”) has requested a non-exclusive utility easement on, over, and across certain real property known as Assessor’s Parcel Number (“APN”) 327-250-035; and

WHEREAS, El Dorado Irrigation District (“District”) owns APN 327-250-035; and

WHEREAS, El Dorado Irrigation District has considered the request and finds that it is acceptable.

NOW, THEREFORE, BE IT, AND IT IS HEREBY RESOLVED by the Board of Directors of El Dorado Irrigation District that the El Dorado Irrigation District hereby approves and authorizes the President of the Board’s and the General Manager’s execution of a Grant of Easement and the District’s granting of a non-exclusive utility easement traversing a portion of APN 327-250-035 to the PG&E. Said non-exclusive utility easement is hereby granted on behalf of El Dorado Irrigation District.

The foregoing Resolution was introduced at a regular meeting of the Board of Directors of the El Dorado Irrigation District, held on the 22nd day of May 2023, by Director _____, who moved its adoption. The motion was seconded by Director _____, and a poll vote taken which stood as follows:

AYES:

NOES:

ABSENT:

ABSTAIN:

The motion having a majority of votes “Aye”, the resolution was declared to have been adopted, and it was so ordered.

I, the undersigned, Clerk to the Board of the El Dorado Irrigation District hereby certify that the foregoing resolution is a full, true and correct copy of a Resolution of the Board of Directors of the El Dorado Irrigation District entered into and adopted at a regular meeting of the Board of Directors held on the 22nd day of May, 2023.

Jennifer Sullivan
Clerk to the Board
EL DORADO IRRIGATION DISTRICT

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27

RECORDING REQUESTED BY AND RETURN TO:

PACIFIC GAS AND ELECTRIC COMPANY
245 Market Street, N10A, Room 1015
P.O. Box 770000
San Francisco, California 94177

Location: City/Uninc _____
Recording Fee \$ _____
Document Transfer Tax \$ _____

- This is a conveyance where the consideration and Value is less than \$100.00 (R&T 11911).
- Computed on Full Value of Property Conveyed, or
- Computed on Full Value Less Liens & Encumbrances Remaining at Time of Sale
- Exempt from the fee per GC 27388.1 (a) (2); This document is subject to Documentary Transfer Tax

(SPACE ABOVE FOR RECORDER'S USE ONLY)

Signature of declarant or agent determining tax

LD# 2110-10-10028

EASEMENT DEED

35368186

EL DORADO IRRIGATION DISTRICT, an irrigation district,

hereinafter called Grantor, hereby grants to PACIFIC GAS AND ELECTRIC COMPANY, a California corporation, hereinafter called Grantee, the right from time to time to excavate for, construct, reconstruct, replace (of initial or any other size), remove, maintain, inspect, and use facilities and associated equipment for public utility purposes, including, but not limited to electric, gas, and communication facilities, together with a right of way therefor, on, over, and under the easement area as hereinafter set forth, and also ingress thereto and egress therefrom, over and across the lands of Grantor situated in the unincorporated area of the County of El Dorado, State of California, described as follows:

(APN 327-250-035)

TRACT 2 as shown on the Record of Survey filed August 3, 2001 in Book 25 of Record of Surveys at page 13, El Dorado County Records.

The easement area is described as follows:

The strip of land of the uniform width of 10 feet, the center line of which is delineated by the heavy dashed line shown upon the print of Grantee's Drawing marked EXHIBIT "A" attached hereto and made a part hereof.

Grantor further grants to Grantee the right, from time to time, to trim or to cut down, without Grantee paying compensation, any and all trees and brush now or hereafter within said easement area, and shall have the further right, from time to time, to trim and cut down trees and brush along each side of said easement area which now or hereafter in the opinion of Grantee may interfere with or be a hazard to the facilities installed hereunder, or as Grantee deems necessary to comply with applicable state or federal regulations.

Grantor also grants to Grantee the right to use such portion of said lands contiguous to said easement area as may be reasonably necessary in connection with the excavation, construction, reconstruction, replacement, removal, maintenance and inspection of said facilities.

Grantor hereby covenants and agrees not to place or construct, nor allow a third party to place or construct, any building or other structure, or store flammable substances, or drill or operate any well, or construct any reservoir or other obstruction within said easement area, or diminish or substantially add to the ground level within said easement area, or construct any fences that will interfere with the maintenance and operation of said facilities.

Grantor further grants to Grantee the right to apportion to another public utility (as defined in Section 216 of the California Public Utilities Code) the right to excavate for, construct, reconstruct, replace, remove, maintain, inspect, and use the communications facilities within said easement area including ingress thereto and egress therefrom.

Grantor acknowledges that they have read the "Grant of Easement Disclosure Statement", EXHIBIT "B" attached hereto and made a part hereof.

The legal description herein, or the map attached hereto, defining the location of this utility distribution easement, was prepared by Grantee pursuant to Section 8730(c) of the Business and Professions Code.

This document may be executed in multiple counterparts, each of which shall be deemed an original, but all of which, together, shall constitute one and the same instrument.

The provisions hereof shall inure to the benefit of and bind the successors and assigns of the respective parties hereto, and all covenants shall apply to and run with the land.

Dated: _____, _____.

EL DORADO IRRIGATION DISTRICT,
an irrigation district

By _____

Print Name and Title

I hereby certify that a resolution was adopted
On the _____ day of _____, 20____ by the

Authorizing the foregoing grant of easement.

By _____

Title _____

Utility Distribution Easement (02/2020)

Attach to LD: 2110-10-10028

Area, Region or Location: 6

Land Service Office: Auburn

Line of Business: Electric Distribution (43)

Business Doc Type: Easements

MTRSQ: 21.10.10.24.23,

FERC License Number: NA

PG&E Drawing Number: 35368186

Plat No.: AX118-J16, I4117 (E)

LD of Affected Documents: NA

LD of Cross Referenced Documents: 2110-10-0418, 0419

Type of interest: Utility Easement (86), Electric Underground Easements (4)

SBE Parcel: NA

% Being Quitclaimed: NA

Order or PM: 35368186

JCN: NA

County: El Dorado

Utility Notice Number: NA

851 Approval Application No: NA ;Decision: NA

Prepared By: GPY

Checked By: JGM

Approved By: NA

Revised by: NA

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of _____)

On _____, before me, _____ Notary Public,
Insert name
personally appeared _____

_____ ,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public

(Seal)

CAPACITY CLAIMED BY SIGNER

- Individual(s) signing for oneself/themselves
- Corporate Officer(s) of the above named corporation(s)
- Trustee(s) of the above named Trust(s)
- Partner(s) of the above named Partnership(s)
- Attorney(s)-in-Fact of the above named Principal(s)
- Other _____

EXHIBIT "A"

TRACT 1
Book 25 R/S page 13

APN 327-250-034

EXISTING POLE LINE
PG&E CO. RIGHT OF WAY
Deed dated August 19, 1960
LD 2110-10-0418
Deed dated August 30, 1960
LD 2110-10-0419

SOUTH 30.42'
BASIS OF BEARINGS
PER 25 R/S 13

EL DORADO
IRRIGATION DISTRICT
TRACT 2
APN 327-250-035
Book 25 R/S Page 13

EL DORADO IRRIGATION DISTRICT
APN 327-250-016

COUNTY OF EL DORADO
PARCEL B
Deed dated September 10, 2018
Document No. 2018-0036949

APN 327-250-037

TRACT 3
RECORD OF SURVEY
Filed August 30, 2001
Book 25 R/S page 13

S56°22'11"E
21' +/-

EXISTING
POLE

TIE:
N89°14'45"E
149.75'

ELECTRIC SERVICE

SACRAMENTO PLACERVILLE
EL DORADO BIKE TRAIL
TRANSPORTATION CORRIDOR
JOINT POWERS AUTHORITY
APN 327-010-005

--- EASEMENT AREA
CENTER LINE OF 10' WIDE STRIP

- FOUND 1-1/2" C.I.P. STAMPED LS 2725 (25 R/S 13)
- FOUND 5/8" REBAR WITH ALUM. CAP STAMPED 26342 (25 R/S 13)

UNLESS OTHERWISE SHOWN
ALL COURSES EXTEND TO OR ALONG
ALL BOUNDARIES OR LINES

Applicant:				SCALE	DATE
EL DORADO COUNTY PARKS - 40 OLD DEPOT ROAD, PLACERVILLE				1" = 50'	4/19/23
SECTION SW1/4 SE1/4 24	TOWNSHIP 10N.	RANGE 10E.	MERIDIAN MDM	COUNTY OF: EL DORADO F.B.: NA	CITY OF: PLACERVILLE DR.BY: GPY CH.BY: JGM
PLAT MAP REFERENCES	AX118-J16, I4117 (E) LD 2110-10-0418 & 0419, 25 R/S 13			PG&E	SIERRA DIVISION 35368186 AUTHORIZ 35368186 DRAWING NO.



EXHIBIT “B”

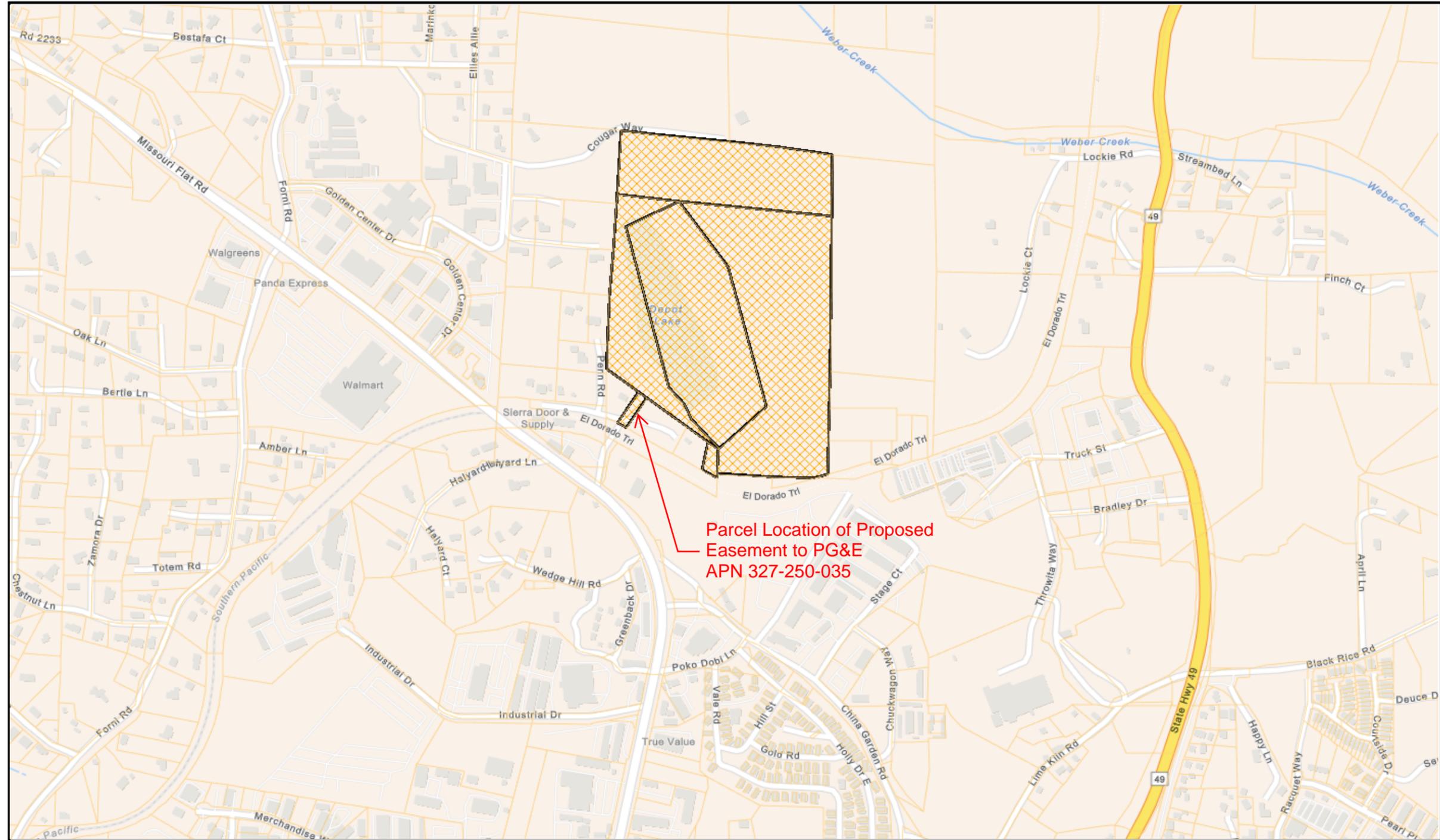
GRANT OF EASEMENT DISCLOSURE STATEMENT

This Disclosure Statement will assist you in evaluating the request for granting an easement to Pacific Gas and Electric Company (PG&E) to accommodate a utility service extension to PG&E’s applicant. **Please read this disclosure carefully before signing the Grant of Easement.**

- You are under no obligation or threat of condemnation by PG&E to grant this easement.
- The granting of this easement is an accommodation to PG&E’s applicant requesting the extension of PG&E utility facilities to the applicant’s property or project. Because this easement is an accommodation for a service extension to a single customer or group of customers, PG&E is not authorized to purchase any such easement.
- By granting this easement to PG&E, the easement area may be used to serve additional customers in the area and **may be used to install additional utility facilities**. Installation of any proposed facilities outside of this easement area will require an additional easement.
- Removal and/or pruning of trees or other vegetation on your property may be necessary for the installation of PG&E facilities. You have the option of having PG&E’s contractors perform this work on your property, if available, or granting permission to PG&E’s applicant or the applicant’s contractor to perform this work. Additionally, in order to comply with California fire laws and safety orders, PG&E or its contractors will periodically perform vegetation maintenance activities on your property as provided for in this grant of easement in order to maintain proper clearances from energized electric lines or other facilities.
- The description of the easement location where PG&E utility facilities are to be installed across your property must be satisfactory to you.
- The California Public Utilities Commission has authorized PG&E’s applicant to perform the installation of certain utility facilities for utility service. In addition to granting this easement to PG&E, your consent may be requested by the applicant, or applicant’s contractor, to work on your property. Upon completion of the applicant’s installation, the utility facilities will be inspected by PG&E. When the facility installation is determined to be acceptable the facilities will be conveyed to PG&E by its applicant.

By signing the Grant of Easement, you are acknowledging that you have read this disclosure and understand that you are voluntarily granting the easement to PG&E. Please return the signed and notarized Grant of Easement with this Disclosure Statement attached to PG&E. The duplicate copy of the Grant of Easement and this Disclosure Statement is for your records.

PROPOSED EASEMENT LOCATION MAP ATTACHMENT - C



 DISTRICT OWNED PARCELS



EL DORADO IRRIGATION DISTRICT

SUBJECT: Consider approving an updated funding agreement with El Dorado County in the not-to-exceed amount of \$173,940 for preparation of an Environmental Impact Report for the Texas Hill Reservoir Parcel Rezones and General Plan Amendment.

PREVIOUS BOARD ACTION

February 24, 2020 – Board received an information item on the Texas Hill Reservoir properties.

January 25, 2021 – Board approved a funding agreement with El Dorado County in the not-to-exceed amount of \$96,000 for preparation of an Environmental Impact Report (EIR) for the Texas Hill Reservoir Parcel Rezones and General Plan Amendment.

September 26, 2022 – Board approved a revised funding agreement with El Dorado County in the not-to-exceed amount of \$173,940 for preparation of an EIR for the Texas Hill Reservoir Parcel Rezones and General Plan Amendment.

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

BP 3060 Contracts and Procurement

SUMMARY OF ISSUE

El Dorado County (County) is planning to prepare an EIR to comply with the California Environmental Quality Act (CEQA) for a rezone and General Plan amendment of parcels within the Texas Hill Reservoir take-line. The County has requested the District execute an updated funding agreement to reflect the County's new form of contract to supersede the previous funding agreement.

BACKGROUND/DISCUSSION

The Texas Hill Reservoir is a conceptual surface water storage reservoir on Weber Creek, south of Placerville. As described below, it is a facility that has long been identified as a potential site for a future water storage project, and the District currently owns approximately 62% of the land that would be necessary to construct the reservoir. The remaining land is privately owned and some of the parcels are developed with residential structures. Others remain undeveloped.

In December 2015, the County Board of Supervisors adopted a comprehensive update of the County's Zoning Ordinance, which included rezoning parcels within the Texas Hill Reservoir take-line to conform to the Open Space General Plan Land Use Designation. Privately owned parcels within the reservoir footprint that were previously zoned Residential Estate (RE) were rezoned to Recreational Facilities – Low Intensity (RF-L). EID owned parcels that were previously zoned RE were changed to an Open Space zoning.

In 2019, District staff began receiving inquiries from property owners within the reservoir take line about the District's future plans for Texas Hill Reservoir. Some property owners were having difficulties in selling their property or expanding uses on their property after their properties were rezoned from RE to RF-L. County staff were also fielding calls from concerned property owners in the Texas Hill area regarding similar zoning issues.

These events initiated discussion between District and County staff regarding the future of Texas Hill Reservoir and options to resolve the zoning issues being experienced. Due to the private property owner concerns, the County proposed to initiate a rezone and General Plan amendment process to rezone the privately owned parcels within the Texas Hill Reservoir footprint back to residential uses and make a minor General Plan policy change to support the overlay zoning and explain the take line for public disclosure. The rezone and General Plan amendment is subject to CEQA review and the County has elected to prepare an EIR for the Texas Hill Reservoir Parcel Rezones and General Plan Amendment Project (Project). District staff negotiated a 50/50 cost share funding agreement in order to have District parcels also included in the EIR analysis for the Project.

In January 2021, the Board approved a funding agreement with the County in the not-to-exceed amount of \$96,000 to cover 50% of the cost for preparation of an EIR for the Project. In September 2022, the Board approved a revised funding agreement with an increased 50% cost share of \$173,940 due to changes in the scope of analysis required for the EIR.

Following the District's approval of the revised funding agreement, the County determined that the form of contract signed by the District was outdated and requested the District execute the agreement in the County's current form of contract. The 50% cost share remains the same at \$173,940. The updated funding agreement has new articles related to audits, political activity, termination, and compliance with the California Levine Act. General Counsel has reviewed and approved the updated funding agreement as to form.

FUNDING

On September 26, 2022, the Board approved \$173,940 for preparation of an EIR for the Texas Hill Reservoir Parcel Rezones and General Plan Amendment. The District's cost share for the updated agreement remains the same and no additional funding is requested at this time.

BOARD OPTIONS

Option 1: Approve an updated funding agreement with El Dorado County in the not-to-exceed amount of \$173,940 for preparation of an Environmental Impact Report for the Texas Hill Reservoir Parcel Rezones and General Plan Amendment.

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

Option 3: Take no action.

RECOMMENDATION

Option 1.

ATTACHMENTS

Attachment A: Updated funding agreement



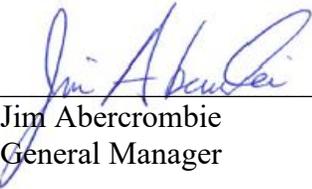
Brian Deason
Environmental Resources Supervisor



Brian Mueller
Engineering Director



Brian Poulsen
General Counsel



Jim Abercrombie
General Manager

**Funding Agreement
Between
County of El Dorado and El Dorado Irrigation District
Funding Agreement #7475**

This Agreement made and entered by and between the County of El Dorado, a political subdivision of the State of California (hereinafter referred to as "County"), and El Dorado Irrigation District (EID), a special district created pursuant to State law, whose mailing address is 2890 Mosquito Road, Placerville, California 95667 (hereinafter referred to as "Applicant");

RECITALS

WHEREAS, Applicant is proposing to rezone sixty seven (67) parcels, comprising a total of one thousand and two (1,002) acres, owned by Applicant from Open Space (OS) to Residential Estate (RE). The parcels are located within the Texas Hill Reservoir Takeline, as shown on Exhibit A - Location Map ("Takeline"), and identified on Exhibit B - Parcel List of EID Owned Parcels in the Texas Hill Reservoir Takeline; and

WHEREAS, County has determined that the proposed parcel rezones also require General Plan Amendments to change the General Plan land use designation from Open Space (OS) to Low Density Residential (LDR) and revisions to the General Plan Land Use Map (LU-1 Land Use Diagram); and

WHEREAS, County is also proposing to rezone fifty one (51) parcels, comprising a total of six hundred fifteen (615) acres, within the Takeline that are privately owned. In total, one hundred eighteen (118) parcels are proposed to be rezoned. The proposed EID and privately held parcel rezones and general plan amendments are hereinafter referred to as the "Project"; and

WHEREAS, County has determined an Environmental Impact Report (hereinafter referred to as "EIR") is required for the processing of the Project pursuant to California Environmental Quality Act (CEQA) Guidelines section 15064; and

WHEREAS, CEQA Guidelines section 21082.1 authorizes County to enter into agreements to prepare environmental documents for a proposed project including the preparation of an EIR and Mitigation Monitoring and Reporting Program; and

WHEREAS, CEQA Guidelines section 21089 authorizes the County to collect fees to recover the costs for the preparation and processing of environmental documents; and

WHEREAS, the "County of El Dorado Environmental Manual for implementation of the California Environmental Quality Act (CEQA)" section 1.9.A (Fees) states that "El Dorado County, in preparing environmental documents for private projects, may charge and collect a reasonable fee from the project applicant in order to recover the estimated cost incurred in preparing the environmental documents;" and

WHEREAS, County has determined that Applicant shall be responsible for fifty (50) percent of the cost to prepare the EIR for the Project. The total acreage of the parcel rezones is one thousand six hundred and seventeen (1,617) acres, with the Applicant's share constituting sixty (62) percent, one thousand two (1,002) acres of the total parcel acreage to be evaluated within the EIR ; and

WHEREAS, Applicant acknowledges and agrees that the EIR will be an integrated document for the Project notwithstanding ownership of individual parcels.

NOW, THEREFORE, the parties do hereby agree as follows:

The foregoing Recitals are a part of this Agreement and are incorporated herein by reference as if fully stated herein.

ARTICLE I

Employment of Consultant as Independent Contractor: County has engaged ICF Jones & Stokes, Inc. ("Consultant") as an independent contractor to prepare an EIR and to provide planning services for the parcel rezones and General Plan Amendments identified in Agreement for Services #7064 (CEQA Consultant Agreement). The total estimated cost of preparation of the EIR and related planning services under the CEQA Consultant Agreement is \$347,880.00 (Estimated Cost).

The EIR shall be prepared for the County. It shall be prepared to be legally adequate to allow the County to meet its obligations as the CEQA lead agency to consider all discretionary actions necessary for the Project (Public Resources Code, §21082). Consultant shall prepare the EIR to be accurate and objective. Consultant shall act solely as Consultant to County and shall not act in any capacity as consultant to, representative of, or agent of Applicant. Applicant shall not engage in communications or contact with Consultant without prior written authorization of County.

The execution of this Funding Agreement shall not constitute a representation or assurance by County that the EIR shall be certified or that the Project will be approved.

ARTICLE II

Payment and Use of Funds: Applicant acknowledges and agrees that Applicant is responsible for funding 50% of the actual cost of preparation of an EIR and related planning services for the Project. Within ten (10) business days of execution of this Agreement, Applicant shall pay to County 50% of the Estimated Cost which is **One Hundred Seventy Three Thousand Nine Hundred Forty Dollars (\$173,940)** (Applicant Deposit) which will be used by County to provide a mechanism for Applicant to fund fifty (50) percent of the actual costs incurred in the preparation of an EIR and planning services for the Project. Both County and Applicant make this Agreement with full knowledge of the requirements of the California Environmental Quality Act (CEQA) of 1970 (Public Resources Code, §21000 et seq.) and the State CEQA Guidelines (California Code of Regulations, Title 14, Division 6, §15000 et seq.) adopted pursuant thereto. This agreement is subject to all other applicable laws, regulations, ordinances, and the "County of El Dorado Environmental Manual for implementation of the California Environmental Quality Act (CEQA)" including those of the County of El Dorado relating to payment of monies for services rendered.

The total amount of this Agreement is not expected to exceed **One Hundred Seventy-Three Thousand Nine Hundred Forty Dollars (\$173,940)**; however, the parties acknowledge that the actual cost of preparation of the EIR and related planning services is unknown at this time. County agrees to promptly inform Applicant of all anticipated costs as they become known to County which would exceed the Estimated Cost. In the event County determines that the amount needed to complete the tasks under the CEQA Consultant Agreement would exceed the Estimated Cost, Applicant shall have a reasonable opportunity to discuss the need for such task, the need for expanded or additional tasks, and the extent of such costs with County before Applicant shall be responsible for the same.

Prior to incurring additional costs, County shall give Applicant at least thirty (30) calendar days prior written notice that additional costs will be incurred and the estimated amount thereof before any additional payment can be required of Applicant. Should the actual cost of preparation of the EIR and related planning services exceed the Estimated Cost, then Applicant shall reimburse County for fifty (50) percent of the actual costs that exceed the Estimated Cost, subject to the Applicant receiving notice and providing written approval of the additional costs (such approval shall not be unreasonably withheld). County will invoice Applicant for the required reimbursement and Applicant will submit payment to County within thirty (30) calendar days of receipt of the invoice.

Upon processing final invoicing under the CEQA Consultant Agreement, if the actual costs incurred by the County are less than the Estimated Cost, County shall reimburse Applicant for fifty percent (50%) of the difference between County's actual costs to fund its CEQA Consultant Agreement and the Estimated Cost. This reimbursement obligation shall survive termination of this Agreement.

It is understood that the funds deposited by Applicant represents one source of funding for the CEQA Consultant Agreement. By deposit of the above referenced funds and by execution hereof, Applicant agrees that County may utilize said funds to compensate its Consultant to do the necessary work.

County will place all deposits paid by Applicant pursuant to this Agreement into a separate fund. The deposit shall not bear interest.

ARTICLE III

Term: This Agreement shall become effective when fully executed by the parties hereto and shall expire three (3) years from the date thereof, or upon Project completion, or upon termination of the CEQA Consultant Agreement, whichever comes first.

ARTICLE IV

Venue: Any dispute resolution action arising out of this Agreement, including, but not limited to, litigation, mediation, or arbitration, shall be brought in El Dorado County, California, and shall be resolved in accordance with the laws of the State of California.

ARTICLE V

Audits Required: If requested, Applicant shall submit to County a year-end financial statement covering all fiscal years during which Applicant expends funds provided pursuant to this Agreement. Applicant shall maintain client records, books, documents,

and other evidence, accounting procedures and practices sufficient to reflect properly all direct and indirect costs of whatever nature claimed to have been incurred in the performance of this Agreement, including any matching costs and expenses, all of which will be deemed to constitute records for purposes of this section. Such records shall clearly reflect the cost and scope of the services provided. Applicant's facility or office or such part thereof as may be engaged in the performance of this Agreement and its records shall be subject at all reasonable times to inspection, audit, and reproduction by County, the State, or any of their duly authorized representatives.

ARTICLE VI

Audit by California State Auditor: Applicant acknowledges that if total compensation under this Agreement is greater than \$10,000.00, this Agreement is subject to examination and audit by the California State Auditor for a period of three (3) years, or for any longer period required by law, after final payment under this Agreement, pursuant to Government Code section 8546.7. In order to facilitate these potential examinations and audits, Applicant shall maintain, for a period of at least three (3) years, or for any longer period required final payment under the contract, all books, records, and documentation necessary to demonstrate performance under the Agreement.

ARTICLE VII

Partial Invalidity: If any provision of this Agreement is held by a court of competent jurisdiction to be invalid, void or unenforceable, the remaining provisions will continue in full force and effect without being impaired or invalidated in any way.

ARTICLE VIII

Political Activity: Pursuant to California Government Code §54964, §54964.5, and §54964.6, County shall not expend or authorize the expenditure of any funds provided to it pursuant to this Agreement, or use any property owned or funded in whole or in part by Applicant, in support of any political activity including but not limited to support or opposition of a candidate for public office or any ballot measure.

ARTICLE IX

Changes to Agreement: This Agreement may be amended by mutual consent of the parties hereto. Said amendments shall become effective only when in writing and fully executed by duly authorized officers of the parties hereto.

ARTICLE X

Notice to Parties: All notices to be given by the parties hereto shall be in writing and served by depositing same in the United States Post Office, postage prepaid and return receipt requested. Notices to County shall be in duplicate and addressed as follows:

To County:

County of El Dorado
Planning and Building
2850 Fairlane Court
Placerville, California 95667

Attn.: Karen L. Garner
Director, Planning and Building

With a copy to:

County of El Dorado
Chief Administrative Office
330 Fair Lane
Placerville, California 95667

Attn.: Michele Weimer
Procurement and Contracts Manager

or to such other location as County directs.

Notices to Applicant shall be addressed as follows:

El Dorado Irrigation District
2890 Mosquito Road
Placerville, California 95667

Attn.: Brian Mueller, P.E.
Director of Engineering

or to such other location as Applicant directs.

ARTICLE XII

Indemnity: To the fullest extent permitted by law, Applicant shall defend at its own expense, indemnify, and hold the County harmless, its officers, employees, agents, and volunteers, against and from any and all liability, claims, suits, losses, damages, or expenses of every name, kind and description, including attorney's fees and costs incurred, brought for, or on account of, injuries to or death of any person, including but not limited to workers, County employees, and the public, or damage to property, or any economic or consequential losses, which are claimed to or in any way arise out of or are connected with the acts or omissions of Applicant or its officers, agents, or employees in rendering the services, operations, or performance hereunder, except for liability, claims, suits, losses, damages or expenses arising from the sole negligence or willful acts of the County, its officers and employees, or as expressly prescribed by statute. This duty of Applicant to indemnify and save County harmless includes the duties to defend set forth in California Civil Code section 2778.

Nothing herein shall be construed to seek indemnity in excess of that permitted by Civil Code section 2782, et seq. In the event any portion of this Article is found invalid, the Parties agree that this Article shall survive and be interpreted consistent with the provisions of Civil Code section 2782, et seq.

ARTICLE XIII

Termination: Either County or Applicant may terminate this Agreement by presentation to the other party hereto of written notice of said termination fifteen (15) business days prior to effective date of said termination.

ARTICLE XIV

Levine Act: Pursuant to Government Code section 84308 (SB 1439, the Levine Act), Applicant shall complete and sign the attached Exhibit C marked "California Levine Act Statement," incorporated herein and made by reference a part hereof, regarding campaign contributions by Applicant, if any, to any officer of County.

ARTICLE XV

Interest of Applicant and Consultant: Applicant covenants that it shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with Consultant's services hereunder. Applicant covenants that it will notify the County if the Applicant engages, or attempts to engage, a Consultant who has performed any work or provided any services under contract or agreement directly with the Project or any part of the Project herein described or who has performed work or provided services for Applicant on any other development project within the preceding five (5) years.

ARTICLE XVI

Agreement Negotiated: It is agreed and understood by the parties hereto that this Agreement has been arrived at through negotiation and that neither party is to be deemed the party which prepared this Agreement within the meaning of Civil Code Section 1654.

ARTICLE XVII

Assignment: This Agreement shall be binding upon the successors-in-interest and assigns of Applicant.

ARTICLE XVIII

Administrator: The County Officer or employee with responsibility for administering this Agreement is Tom Purciel, Senior Planner, Planning and Building Department, or successor.

ARTICLE XIX

Authorized Signatures: The parties to this Agreement represent that the undersigned individuals executing this Agreement on their respective behalf are fully authorized to do so by law or other appropriate instrument and to bind upon said parties to the obligations set forth herein.

ARTICLE XX

Electronic Signatures: Each party agrees that the electronic signatures, whether digital or encrypted, of the parties included in this Agreement, are intended to authenticate this writing and to have the same force and effect as manual signatures. Electronic Signature means any electronic visual symbol or signature attached to or logically associated with a record and executed and adopted by a party with the intent to sign such record, including facsimile or email electronic signatures, pursuant to the California Uniform Electronic Transactions Act (Civil Code sections 1633.1 to 1633.17) as amended from time to time.

ARTICLE XXI

Counterparts: This Agreement may be executed in one or more counterparts, each of which shall be an original and all of which together shall constitute one and the same instrument.

ARTICLE XXII

Entire Agreement: This document and the documents referred to herein or exhibits hereto are the entire Agreement between the parties and they incorporate or supersede all prior written or oral agreements or understandings.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the dates indicated below.

-- COUNTY OF EL DORADO --

By: _____ Dated: _____

Board of Supervisors
"County"

Attest:
Kim Dawson
Clerk of the Board of Supervisors

By: _____ Dated: _____

-- EL DORADO IRRIGATION DISTRICT --

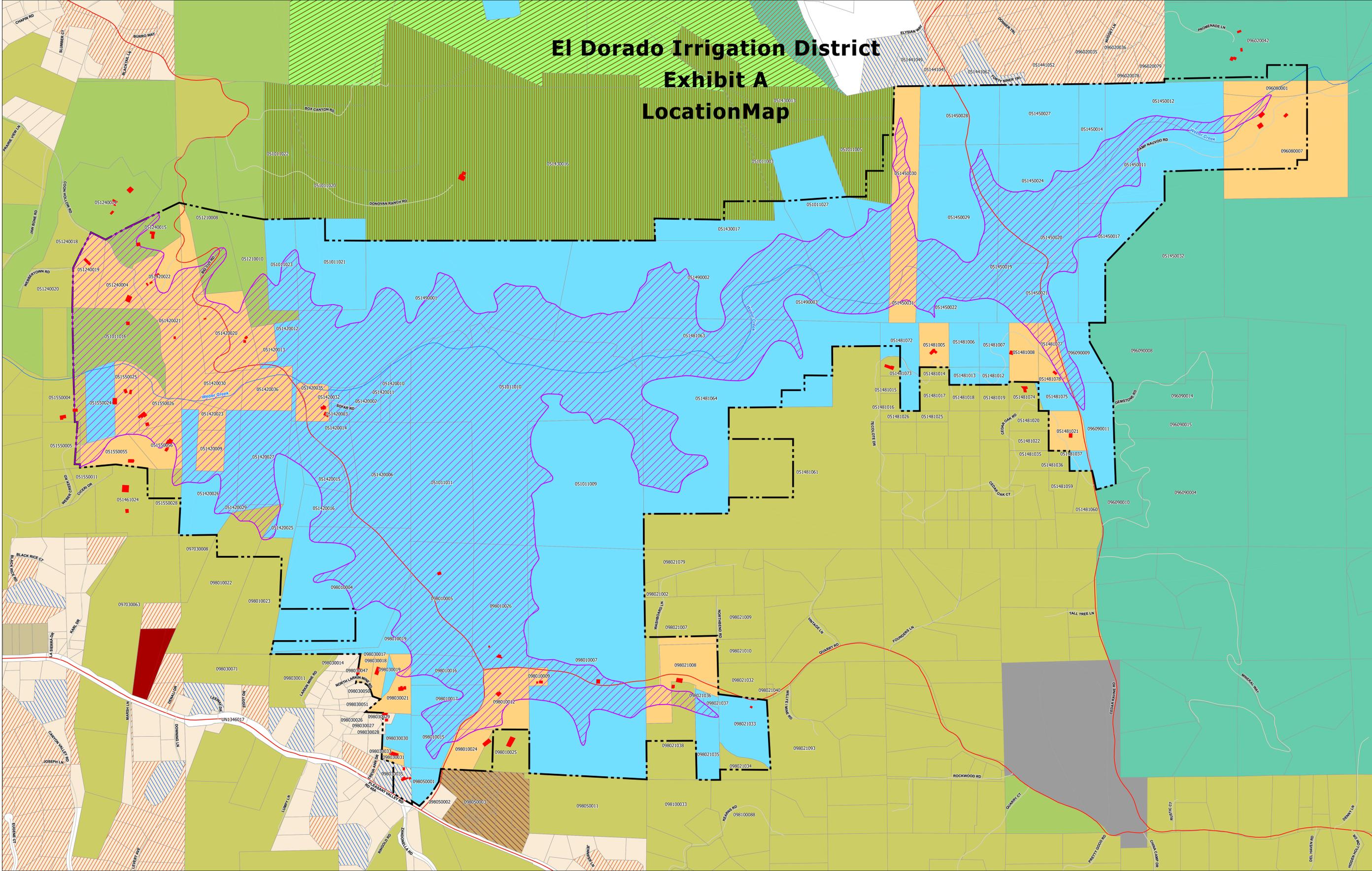
By: _____

Jim Abercrombie
General Manager
"Applicant"

El Dorado Irrigation District

Exhibit A

Location Map



DISCLAIMER:
THIS DEPICTION WAS COMPILED FROM UNVERIFIED PUBLIC AND PRIVATE SOURCES AND IS ILLUSTRATIVE ONLY. NO REPRESENTATION IS MADE AS TO ACCURACY OF THIS INFORMATION. PARCEL BOUNDARIES ARE PARTICULARLY UNRELIABLE. USERS MAKE USE OF THIS DEPICTION AT THEIR OWN RISK.

NOTES:
LAYER INFORMATION MAY COVER ADDITIONAL AREAS OUTSIDE OF THE DISPLAYED AREA.
PREPARED AT THE REQUEST OF: Planning
DATE: 05/19/24
MAP PREPARED BY: EMMA KIKUYAMA
DATE: 05/19/24

G.I.S. PROJECT ID: sse073820_CurrentZoningWithBldgFootprintElev. RELATED REPORT: N/A
EL DORADO COUNTY SURVEYOR/G.I.S. DIVISION
PHONE (530) 621-6511



Texas Hill Reservoir Take Line

Current Zoning Parcels

County of El Dorado
State of California

MAP DISPLAYED IN STATE PLANE COORDINATE SYSTEM
(NAD 1983 CALIFORNIA ZONE 2, FEET)

- | | |
|--|--|
| <ul style="list-style-type: none"> Texas Hill Reservoir Take Line Parcel Boundary Building Footprints Within Elevation 1,840 Major Road Minor Road Streams | <p>Zoning</p> <ul style="list-style-type: none"> LA-20 = Limited Agriculture 20 Acres PA-20 = Planned Agriculture 20 Acres RL-20 = Rural Land 20 Acres CG = Commercial General CM = Commercial Mainstreet OS = Open Space IL = Industrial Low RM = Residential Multi-Unit R20K = Residential 20,000 R1A = Residential 1 Acre R2A = Residential 2 Acres R3A = Residential 3 Acres RE-5 = Residential Estate 5 Acres RE-10 = Residential Estate 10 Acres RL-10 = Rural Land 10 Acres RL-20 = Rural Land 20 Acres RF-L = Recreational Facility Low PVILLE = City of Placerville TC = Transportation Corridor |
|--|--|

El Dorado Irrigation District

Exhibit B

Parcel List

Impact	PRCL_ID	OWNER_NAME	PRCL_ADDR	ZONEDES (Current)			Use Code	Use Code	Use Code Description	ACREAGE	YR_BUILT	DWELLUNITS	IMPR_SQ_FT	STRUCT_VAL	LAND_VAL	Notes	
				Class	Type	RE-5	OS	OS									
1	051011009	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	40	0	0	0	\$0	\$0	Undeveloped
2	051011010	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	53.33	0	0	0	\$0	\$0	Undeveloped
3	051011011	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	RES	VAC	VAC RURAL RES LAND 2.51-20.0 AC. 1 UNIT	20	0	0	0	\$0	\$132,600	Undeveloped
4	051011021	EL DORADO IRRIGATION DIST	0	OS	RA-20	OS, AL	AL, OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	16.02	0	0	0	\$0	\$0	Undeveloped
5	051011023	EL DORADO IRRIGATION DIST	0	OS	RA-20	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	7.98	0	0	0	\$0	\$0	Undeveloped
	051011027	EL DORADO IRRIGATION DIST	0	OS	RA-20	AL, OS	AL, OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	20.63	0	0	0	\$0	\$0	Undeveloped
7	X 051420002	EL DORADO IRRIGATION DIST	4300 SOFAR RD	OS	RA-20, RE-5	OS	OS	MSC	DEV	RURAL NON-RES. IMPROVEMENT 2.51-20.0 AC.	4.08	2003	0	1167	\$58,650	\$45,900	Assessment data lists a structure, fully in 1,840', cannot see in aerial
8	051420003	EL DORADO IRRIGATION DIST	0	OS	RA-20, RE-5	OS	OS	RES	VAC	VACANT RES. LAND <=2.5 AC. 1-3 UNITS	2.13	0	0	0	\$0	\$2,800	Undeveloped
	051420006	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	RES	VAC	VAC RURAL RES LAND 2.51-20.0 AC. 1 UNIT	17.12	0	0	0	\$0	\$113,373	Undeveloped
10	051420010	EL DORADO IRRIGATION DIST	0	OS	RA-20, RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	4.08	0	0	0	\$0	\$0	Undeveloped
11	051420011	EL DORADO IRRIGATION DIST	0	OS	RA-20, RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	1.65	0	0	0	\$0	\$0	Undeveloped
12	051420012	EL DORADO IRRIGATION DIST	0	OS	RA-20, RE-10	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	5.54	0	0	0	\$0	\$0	Undeveloped
13	051420014	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	RES	VAC	VAC RURAL RES LAND 2.51-20.0 AC. 1 UNIT	5.02	0	0	0	\$0	\$3,547	Undeveloped
14	051420015	EL DORADO IRRIGATION DIST	4156 BIG CUT RD	OS	RE-5	OS	OS	RES	DEV	RURAL RES. 2.51-20.0 AC. 1 SF UNIT	5.82	0	0	0	\$0	\$0	Undeveloped
15	051420016	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	RES	VAC	VAC RURAL RES LAND 2.51-20.0 AC. 1 UNIT	5.44	0	0	0	\$0	\$3,846	Undeveloped
16	051420025	EL DORADO IRRIGATION DIST	4121 BIG CUT RD	OS	RE-5	OS	OS	RES	VAC	VAC RURAL RES LAND 2.51-20.0 AC. 1 UNIT	5.57	0	0	0	\$0	\$4,475	Undeveloped
17	051420026	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	RES	VAC	VAC RURAL RES LAND 2.51-20.0 AC. 1 UNIT	15.07	0	0	0	\$0	\$33,642	Undeveloped
18	051420027	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	RES	VAC	VAC RURAL RES LAND 2.51-20.0 AC. 1 UNIT	15.65	0	0	0	\$0	\$0	Undeveloped
19	051420029	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	0.31	0	0	0	\$0	\$0	Undeveloped
20	051420032	EL DORADO IRRIGATION DIST	0	OS	RA-20, RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	0.19	0	0	0	\$0	\$0	Undeveloped
21	051420036	EL DORADO IRRIGATION DIST	0	OS	RF-L	RE-10, RE-5	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	6.54	0	0	0	\$0	\$0	Undeveloped
22	051430017	EL DORADO IRRIGATION DIST	0	OS	RA-20	OS	OS	RES	VAC	VACANT RES. LAND <=2.5 AC. 1-3 UNITS	11	0	0	0	\$0	\$15,585	Undeveloped
23	051450011	EL DORADO IRRIGATION DIST	1891 CAMP NAUVOO RD	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	16.5	0	0	0	\$0	\$0	Undeveloped
24	051450012	EL DORADO IRRIGATION DIST	0	OS	RE-10	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	20	0	0	0	\$0	\$0	Undeveloped
25	051450014	EL DORADO IRRIGATION DIST	0	OS	RE-10	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	8.5	0	0	0	\$0	\$0	Undeveloped
26	051450017	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	15	0	0	0	\$0	\$0	Undeveloped
27	051450019	EL DORADO IRRIGATION DIST	0	OS	RE-10	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	2.45	0	0	0	\$0	\$0	Undeveloped
28	051450020	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	5.69	0	0	0	\$0	\$0	Undeveloped
29	051450021	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	12.55	0	0	0	\$0	\$0	Undeveloped
30	051450022	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	9.13	0	0	0	\$0	\$0	Undeveloped
31	051450024	EL DORADO IRRIGATION DIST	0	OS	RE-10	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	24.31	0	0	0	\$0	\$0	Undeveloped
32	051450027	EL DORADO IRRIGATION DIST	0	OS	RE-10	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	15	0	0	0	\$0	\$0	Undeveloped
33	051450028	EL DORADO IRRIGATION DIST	0	OS	RE-10	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	15	0	0	0	\$0	\$0	Undeveloped
34	051450029	EL DORADO IRRIGATION DIST	0	OS	RE-10	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	35.87	0	0	0	\$0	\$0	Undeveloped
35	051481006	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	3.86	0	0	0	\$0	\$0	Undeveloped
36	051481007	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	3.84	0	0	0	\$0	\$0	Undeveloped
37	051481012	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	1.53	0	0	0	\$0	\$0	Undeveloped
38	051481013	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	1.53	0	0	0	\$0	\$0	Undeveloped
39	051481037	EL DORADO IRRIGATION DIST	4430 CEDAR RAVINE RD	OS	RE-5	OS	OS	RES	VAC	VACANT RES. LAND <=2.5 AC. 1-3 UNITS	1.22	0	0	0	\$0	\$3,600	Undeveloped
40	051481063	EL DORADO IRRIGATION DIST	0	OS	RA-20	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	4	0	0	0	\$0	\$0	Undeveloped
41	051481064	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS, LDR	LDR, OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	75.3	0	0	0	\$0	\$0	Undeveloped
42	051481072	EL DORADO IRRIGATION DIST	0	OS	RE-5	MDR, OS	MDR, OS	RES	VAC	VAC RURAL RES LAND 2.51-20.0 AC. 1 UNIT	4.9	0	0	0	\$0	\$0	Undeveloped
43	051481075	EL DORADO IRRIGATION DISTRICT	0	OS	RE-5	MDR, OS	MDR, OS	RES	VAC	VAC RURAL RES LAND 2.51-20.0 AC. 1 UNIT	2.39	0	0	0	\$0	\$16,344	Undeveloped
44	051490001	EL DORADO IRRIGATION DIST	0	OS	RA-20, RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	94	0	0	0	\$0	\$0	Undeveloped
45	051490002	EL DORADO IRRIGATION DIST	0	OS	RA-20, RE-10, RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	76	0	0	0	\$0	\$0	Undeveloped
46	051490003	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	18	0	0	0	\$0	\$0	Undeveloped
47	051550024	EL DORADO IRRIGATION DIST	3980 WEBER CREEK RD	OS	RE-5	OS	OS	RES	VAC	VAC RURAL RES LAND 2.51-20.0 AC. 1 UNIT	6.18	0	0	0	\$0	\$55,713	Undeveloped, error in projection
48	051550028	EL DORADO IRRIGATION DIST	0	OS	RE-5	LDR, OS	LDR, OS	RES	VAC	VAC RURAL RES LAND 2.51-20.0 AC. 1 UNIT	5.05	0	0	0	\$0	\$0	Undeveloped
49	096090009	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	6.55	0	0	0	\$0	\$0	Undeveloped
50	096090011	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	8.96	0	0	0	\$0	\$0	Undeveloped
51	098010004	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS, LDR	LDR, OS	RES	DEV	RURAL RES. 20+ AC. 1 RES. UNIT	36.37	0	0	0	\$0	\$240,669	Undeveloped
52	X 098010005	EL DORADO IRRIGATION DIST	4331 BIG CUT RD	OS	RE-5	OS	OS	RES	VAC	VAC RURAL RES LAND 2.51-20.0 AC. 1 UNIT	19.4	1907	1	940	\$0	\$128,622	Structure visible in aerial, barn, assessment data indicates built in 1907
53	X 098010007	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	79	0	0	0	\$0	\$0	Structure visible in aerial, barn
54	098010015	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	6.44	0	0	0	\$0	\$0	Undeveloped
55	098010016	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	RES	VAC	VAC RURAL RES LAND 2.51-20.0 AC. 1 UNIT	6	0	0	0	\$0	\$0	Undeveloped
56	098010017	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	6	0	0	0	\$0	\$0	Undeveloped
57	098010019	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	RES	VAC	VAC RURAL RES LAND 2.51-20.0 AC. 1 UNIT	5.23	0	0	0	\$0	\$34,476	Undeveloped
58	098010022	EL DORADO IRRIGATION DIST	0	OS	RE-5	LDR, OS	LDR, OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	26.82	0	0	0	\$0	\$0	Undeveloped
59	098010023	EL DORADO IRRIGATION DIST	0	OS	RE-5	LDR, OS	LDR, OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	18.92	0	0	0	\$0	\$0	Undeveloped
60	X 098010026	EL DORADO IRRIGATION DIST	1241 QUARRY RD	OS	RE-5	OS	OS	RES	VAC	VACANT RES. LAND <=2.5 AC. 1-3 UNITS	21	0	0	0	\$0	\$0	Multiple structures visible in aerial
61	098021033	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	7	0	0	0	\$0	\$0	Undeveloped
62	098021035	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	5.54	0	0	0	\$0	\$0	Undeveloped
63	098021036	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	0.25	0	0	0	\$0	\$0	Undeveloped
64	098021037	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	0.48	0	0	0	\$0	\$0	Undeveloped
65	098030019	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	RES	VAC	VACANT RES. LAND <=2.5 AC. 1-3 UNITS	0.79	0	0	0	\$0	\$3,500	Undeveloped
66	098030030	EL DORADO IRRIGATION DIST	4471 TREVA ANN DR	OS	RE-5	OS	OS	UNA	UNA	ASSESSOR OFFICE UNASSIGNED	3.53	0	0	0	\$0	\$0	Undeveloped
67	098050001	EL DORADO IRRIGATION DIST	0	OS	RE-5	OS	OS	RES	VAC	VACANT RES. LAND <=2.5 AC. 1-3 UNITS	2.38	0	0	0	\$0	\$6,000	Undeveloped

El Dorado Irrigation District

Exhibit C

California Levine Act Statement

California Levine Act Statement

California Government Code section 84308, commonly referred to as the "Levine Act," prohibits any officer of El Dorado County from participating in any action related to a contract if he or she receives any political contributions totaling more than two hundred and fifty dollars (\$250) within the previous twelve (12) months, and for twelve (12) months following the date a final decision concerning the contract has been made, from the person or company awarded the contract. The Levine Act also requires disclosure of such contribution by a party to be awarded a specific contract. An officer of El Dorado County includes the Board of Supervisors, and any elected official (collectively "Officer"). It is the Contractor's/Consultant's responsibility to confirm the appropriate "Officer" and name the individual(s) in their disclosure.

Have you or your company, or any agent on behalf of you or your company, made any political contributions of more than \$250 to an Officer of the County of El Dorado in the twelve months preceding the date of the submission of your proposals or the anticipated date of any Officer action related to this contract?

_____ YES _____ NO

If yes, please identify the Officer(s) by name:

Do you or your company, or any agency on behalf of you or your company, anticipate or plan to make any political contribution of more than \$250 to an Officer of the County of El Dorado in the twelve months following any Officer action related to this contract?

_____ YES _____ NO

If yes, please identify the Officer(s) by name:

Answering YES to either of the two questions above does not preclude the County of El Dorado from awarding a contract to your firm or any taking any subsequent action related to the contract. It does, however, preclude the identified Officer(s) from participating in any actions related to this contract.

Date

Signature of authorized individual

El Dorado Irrigation District

Type or write name of company

Jim Abercrombie-General Manager

Type or write name of authorized individual

EL DORADO IRRIGATION DISTRICT

SUBJECT: Consider ratifying EID General Warrant Registers for the periods ending April 18, April 25, May 2 and May 9, 2023, 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; reviewed and approved by the Finance Manager, the Director of Finance and the General Manager or their designee.

Register Date	Check Numbers	Amount
April 18, 2023	703459 - 703571	\$727,368.10
April 25, 2023	703572 - 703676	\$1,252,328.75
May 2, 2023	703677 - 703861	\$1,288,435.64
May 9, 2023	703862 - 704002	\$1,375,479.53

Current Employee Expense Reimbursements

Employee Expenses and Reimbursements have been reviewed and approved by the Finance 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

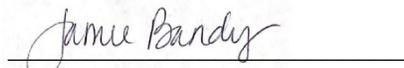
ATTACHMENTS

Attachment A: Executive Summaries

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



Becky Belgram
Acting Finance Manager



Jamie Bandy
Finance Director



Jennifer Sullivan
Clerk to the Board



Jim Abercrombie
General Manager

Attachment A

April 13, 2023

To: Jim Abercrombie, General Manager
From: Becky Belgram, Acting Finance Manager
Via: Jamie Bandy, Director of Finance
RE: Warrant Register Executive Summary Approval

Attached is the summary for April 18, 2023 for your review and approval.

Executive Summary for April 18, 2023 -- \$727,368.10:

This summary highlights significant disbursements made by major business activity:

Development Services (Fund 105)

- \$5,387—Carson Creek El Dorado, LLC for a refund on a deposit payment
- \$16,813—The True Life Companies for a refund on a deposit payment
- \$17,489—Winn Ridge Investments, LLC for a refund on a deposit payment
- \$3,328—Zanjero for surface water hydrology assessment services

General District Operations (Fund 110)

- \$56,290—Aqua Metric Sales Company for 650 water meters
- \$17,100—CDW Government for annual software support renewal
- \$6,345—Hunt & Sons, Inc. for fuel deliveries at various locations
- \$8,889—Iconix Waterworks (US), Inc. for warehouse inventory
- \$9,859—Michael and Ellen Savage for a credit balance refund on customer account
- \$14,561—Pace Supply Corporation for warehouse inventory
- \$4,437—Quadient, Inc. for a replacement envelope stuffing machine for mail room
- \$3,824—Underground Construction Co. for a credit balance refund on customer account

Engineering Operations (Fund 210) – none to report

Water Operations (Fund 310)

- \$5,458—B&M Builders, Inc. for concrete remediation services
- \$7,737—Grainger for hose reels, vises, hoses and other miscellaneous operating supplies
- \$6,069—National Trench Safety, Inc. for crane truck, trench plate and K-rail rentals

Wastewater Operations (Fund 410)

- \$5,535—B&M Builders, Inc. for concrete remediation services
- \$5,398—CLS Labs for regulatory lab testing
- \$3,911—El Dorado Disposal Service, Inc. for grit hauling and disposal service
- \$18,801—Momar, Inc. for carbon supplement at EDHWWTP
- \$5,046—Rexel USA, Inc. for a soft start motor controller for pump #1 at DCWWTP

Recycled Water Operations (Fund 510) – none to report

Hydroelectric Operations (Fund 610)

- \$10,537—GHD, Inc. for topographic mapping and geotechnical services

Recreation Operations (Fund 710)

- \$3,533—U.S. Bank for web domain name renewals

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

- \$133,253—B&M Builders, Inc. for concrete remediation services:
 - >Project #22002.01 – Water Service Line Replacement (\$127,060)
 - >Project #23002.01 – Water Service Line Replacement (\$6,193)
- \$199,433—DG Granade, Inc. to reissue corrected payment for construction services (\$209,929) – Wastewater Collection Facility Relocation (Project #17034.01). Retention held \$10,496
- \$6,257—Frank A Olsen Company for two gate valves – EDH PRS 3 Abandonment (Project #22046.01)
- \$34,208—GHD, Inc. for engineering design and construction inspection services:
 - >Project #21008.01 – Diversion-Facility Upgrades (\$4,852)
 - >Project #22014.01 – Flume 45 Section 3 Replacement (\$13,981)
 - >Project #STUDY2022.01 – 2022 Flume Assessment (\$5,167)
 - >Project #21047.01 – Flume 4 Replacement (\$262)
 - >Project #21048.01 – Flume 5 Replacement (\$262)
 - >Project #21049.01 – Flume 6 Replacement (\$262)
 - >Project #17041.01 – Flume 30 Rehabilitation Project (\$9,422)
- \$29,452—Herwit Engineering for construction engineering services:
 - >Project #22035.01 – DCWWTP Blower Replacement (\$7,252)
 - >Project #18035.01 – EDHWWTP WAS DAFT Rehabilitation (\$11,075)
 - >Project #19033.01 – Reservoir A PLC Replacement (\$4,730)
 - >Project #21077.01 – EDHWWTP Secondary Effluent Pump Station Modifications (\$6,395)

April 20, 2023

To: Jim Abercrombie, General Manager
From: Becky Belgram, Acting Finance Manager
Via: Jamie Bandy, Director of Finance
RE: Warrant Register Executive Summary Approval

Attached is the summary for April 25, 2023 for your review and approval.

Executive Summary for April 25, 2023 -- \$1,252,328.75:

This summary highlights significant disbursements made by major business activity:

Development Services (Fund 105) – none to report

General District Operations (Fund 110)

- \$73,622—Association of California Water Agencies/JPIA for January – March 2023 workers' compensation insurance
- \$13,642—AT&T for phone and internet service
- \$5,200—Brown Consulting for forklift training
- \$19,825—CERES Imaging, Inc. for aerial imaging in support of irrigation management system program
- \$17,624—Dataprose, LLC for March 2023 billing services
- \$27,290—Geophysical Survey Systems, Inc. for ground-penetrating radar and products and services required for utility locating system
- \$26,500—Hunt & Sons, Inc. for card lock fuel and fuel deliveries at various locations
- \$20,225—Infor Public Sector, Inc. for software subscription renewal
- \$3,838—Marques General Engineering for a credit balance refund on customer account
- \$9,719—Pace Supply Corporation for warehouse inventory
- \$14,134—PG&E for electric service
- \$3,675—RCP Construction, Inc. for a credit balance refund on customer account
- \$3,627—Shell Door Service, Inc. for ADA upgrade services
- \$3,595—Stratus Engineering Associates, LLC for on-call regulatory permitting services

Engineering Operations (Fund 210)

- \$5,608—DLT Solutions, LLC for subscription renewals
- \$30,370— GEI Consultants, Inc. for seepage analysis

Water Operations (Fund 310)

- \$7,104— GEI Consultants, Inc. for dam safety monitoring and reporting services
- \$5,545—Grainger for a water meter, two sump pumps, pipe insulation and other miscellaneous operating supplies
- \$3,652—Hastie's Capitol Sand and Gravel Co. for rock deliveries
- \$4,776—McMaster-Carr Supply Company for 120 cabinet and drawer liners, 60 miniature suction strainers, four air release valves and other miscellaneous operating supplies
- \$20,032—MCS Inspection for specialty tank coating inspection services
- \$20,400—MWCH Construction, LLC to replace Sudbury retaining wall at EDHWTP
- \$8,741—Pace Supply Corporation for various fittings, gaskets, nuts, bolts, rings and parts for new drain line installation at EDHWTP
- \$106,874—PG&E for electric service
- \$10,500—Two Brothers Cathodic Services, Inc. for annual cathodic inspection services
- \$7,129—Univar Solutions USA, Inc. for sodium hypochlorite at Reservoir A
- \$3,667—Younddahl Consulting Group, Inc. for geotechnical services

Wastewater Operations (Fund 410)

- \$27,699—Doug Veerkamp General Engineering, Inc. for emergency wastewater pumping and hauling during storm event
- \$7,063—Grainger for a forward plate compactor, gauges, filters, valves and other miscellaneous operating supplies
- \$4,362—Kimball Midwest for a metal pegboard, rubber hoses, grease, hooks and other miscellaneous operating supplies
- \$213,208—PG&E for electric service
- \$8,077—Stratus Engineering Associates, LLC for on-call regulatory permitting services
- \$3,125—Sweet Septic, Inc. for emergency pumping services at CHWWTP during storm event
- \$21,560—Univar Solutions USA, Inc. for sodium hydroxide at DCWWTP and EDHWWTP

Recycled Water Operations (Fund 510)

- \$8,752—PG&E for electric service

Hydroelectric Operations (Fund 610)

- \$77,445—Aveva Select California for software support renewals
- \$31,699— GEI Consultants, Inc. for engineering services
- \$3,387—Kenmar Instrumentation Services, LLC for replacement probes, cables & proximeters for powerhouse generator #2
- \$9,825—PG&E for electric service

Recreation Operations (Fund 710) – none to report

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

- \$8,860—Aecom Technical Services, Inc. for environmental reporting services – Permit 21112 Change in Point of Diversion (Project #16003.01)
- \$5,889—Amazon Business for an APC smart UPS, rack mount and external battery cabinet – Reservoir A UPS Hardware Replacement (Project #23007.01)
- \$54,720—Big Valley Electric for construction services (\$57,600) – Reservoir A WTP PLC Replacement (Project #19033.01). Retention held \$2,880
- \$30,073—Carollo Engineers, Inc. for engineering services – Integrated Water Master Plan Update (Project #STUDY10.01)
- \$43,396—GEI Consultants, Inc. for engineering services – Silver Lake Dam Rehabilitation (Project #19031.01)
- \$53,490—Peterson Brustad, Inc. for engineering and design services:
 - >Project #21030.01 – Reservoir 1 Tank Upgrade (\$7,574)
 - >Project #06082H.02 – FERC: C50.1 Silver Lake Campground East Reconstruction (\$8,607)
 - >Project #STUDY15.01 – EDM2 Condition Assessment (\$37,309)
- \$42,916—Soil-Tech, Inc. for custom formulated polymer for dust control and soil stabilization – 47C Access Road (Project #20039.01)
- \$8,712—State Water Resources Control Board for annual permit fees – Forebay Revegetation (Project #22036.01)
- \$32,516—TDR Enterprise HVAC, Inc. for the installation of bard units at booster pump stations:
 - >Project #22049.01 – Silva Valley PS Air Conditioner (\$16,258)
 - >Project #22050.01 – Village C PS Air Conditioner (\$16,258)
- \$14,855—Zanjero for strategic support and technical assistance – Permit 21112 Change in Point of Diversion (Project #16003.01)

April 27, 2023

To: Jim Abercrombie, General Manager
From: Becky Belgram, Acting Finance Manager
Via: Jamie Bandy, Director of Finance
RE: Warrant Register Executive Summary Approval

Attached is the summary for May 2, 2023 for your review and approval.

Executive Summary for May 2, 2023 -- \$1,288,435.64:

This summary highlights significant disbursements made by major business activity:

Development Services (Fund 105) – none to report

General District Operations (Fund 110)

- \$126,496—Aqua Metric Sales Company for water meters, parts and related meter reading equipment
- \$109,070—CDW Government for Cisco charging cables, equipment support and software maintenance
- \$5,193—Ferguson Enterprises, LLC for warehouse inventory
- \$3,896—Grainger for 60 custom engraved padlocks
- \$4,240—Hunt & Sons, Inc. for fuel deliveries at various locations
- \$8,710—Municipal Maintenance Equipment, Inc. for VAC-CON repair parts and labor
- \$8,627—Pace Supply Corporation for warehouse inventory
- \$9,500—Reeb Government Relations, LLC for May 2023 retainer
- \$3,063—Riverview International Trucks, LLC for vehicle repair parts and labor
- \$5,851—Sierra Nevada Tire and Wheel for tires and service calls

Engineering Operations (Fund 210) – none to report

Water Operations (Fund 310)

- \$27,136—Aqua Tech Company for reservoir cover cleaning services
- \$3,106—BSK Associates for regulatory lab testing
- \$4,346—Costa Fencing, Inc. for fence repair services
- \$98,757—Ditch Witch West for two vacuum excavation machines for identifying water service line composition
- \$4,756—Grainger for two sump pumps, an angle grinder, an impact driver and other miscellaneous operating supplies
- \$4,916—Holt of California for a generator rental and engine troubleshooting and repair services
- \$4,849—McMaster-Carr Supply Company for storage boxes, pipe fittings, air compressor parts and other miscellaneous operating supplies
- \$6,821—Univar Solutions USA, Inc. for sodium hypochlorite at Reservoir A
- \$8,582—USA Bluebook for a submersible pump, probes, sensor input modules and other miscellaneous operating supplies
- \$5,889—Water Works Engineers, LLC for engineering design services for Bass Lake Tanks recoating

Wastewater Operations (Fund 410)

- \$6,077—Badger Daylighting Corp. for cover rock removal for biofilter maintenance at EDHWWTP
- \$45,478—Celadon Holdco, LLC for solar electric service at EDHWWTP and DCWWTP
- \$5,218—CLS Labs for regulatory lab testing
- \$6,458—Flo-Line Technology, Inc. for parts and labor to repair pump at Indian Creek Lift Station
- \$4,535—Grainger two ball valves, a pallet jack, first-aid kits, batteries, gaskets and other miscellaneous operating supplies
- \$54,654—Hastie’s Capitol Sand and Gravel Co. for rock deliveries
- \$4,068—Ken Grady Company, Inc. for a liquid level control/transmitter at EDHWWTP
- \$3,750—OCT Water Quality Academy for wastewater exam review and workshop
- \$8,634—Polydyne, Inc. for polymer at EDHWWTP
- \$3,126—Sierra Office Systems & Products, Inc. for wastebaskets, bookcases, dry erase boards and other miscellaneous office supplies
- \$3,488—Solenis, LLC for flocculant at EDHWWTP
- \$54,091—Synagro West, LLC for sludge hauling and disposal at DCWWTP and EDHWWTP
- \$45,422—Univar Solutions USA, Inc. for sodium hydroxide at DCWWTP and EDHWWTP
- \$4,349—USA Bluebook for a dissolved oxygen probe, ammonia tests, vials and other miscellaneous operating supplies
- \$22,834—USP Technologies for SulFeLox for odor control program for Carson Creek Pump Station

Recycled Water Operations (Fund 510)

- \$7,265—Univar Solutions USA, Inc. for sodium hydroxide at EDHWWTP

Hydroelectric Operations (Fund 610)

- \$4,840—A & P Helicopters, Inc. for helicopter services
- \$4,670—Citrus Heights Mower, LLC for hazard tree removal supplies
- \$7,668—GEI Consultants, Inc. for dam engineering services
- \$12,678—J.M. Equipment Co., Inc. for a forklift rental

Recreation Operations (Fund 710)

- \$4,876—Aqua Tech Company for maintenance diving services at Sly Park Reservoir
- \$3,898—Talmo & Associates, Inc. for temporary labor at Sly Park Recreation

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

- \$4,250—Bay City Electric Works for an automatic transfer switch – Diversion-Facility Upgrades ([Project #21008.01](#))
- \$9,794—Carollo Engineers, Inc. for construction management services – Folsom Lake Intake Improvement ([Project #15024.01](#))
- \$31,634—Downtown Ford Sales for a 2022 Ford F-150 – 2023 Vehicle Replacement Program ([Project #23003.01](#))
- \$3,096—Far Western Anthropological Research Group, Inc. for cultural resources study – Flume 45 Section 3 Replacement ([Project #22014.01](#))
- \$3,406—GEI Consultants, Inc. for biological resource surveys:
 - >Project #21013.01 – Flumes 45A, 46A, 47A, and 47B Replacement (\$2,861)
 - >Project #17028.01 – Flume 48 Replacement (\$545)
- \$3,369—Hastie’s Capitol Sand and Gravel Co. for rock deliveries – Water Service Line Replacement ([Project #23002.01](#))
- \$8,500—Inter-County Title Co. for preliminary title reports – Sly Park Intertie Improvements ([Project #21079.01](#))
- \$38,675—MCK Americas, Inc. for construction management services – Flume 45 Abutment Replacement ([Project #17025.01](#))
- \$23,000—Raftelis for business and technical consulting services – Hansen 7 Software Replacement ([Project #18055.01](#))
- \$9,633—Royal Electric for construction services (\$10,140) – Headquarters Backup Power Modifications ([Project #21042.01](#)). Retention held \$507.00
- \$239,470—TNT Industrial Contractors, Inc. for engineering services (\$252,074) – EDHWWTP WAS DAFT Rehabilitation ([Project #18035.01](#)). Retention held \$12,604
- \$6,707—USA Bluebook for a universal controller – WTP Turbidity Meter Upgrades ([Project #22045.01](#))
- \$13,255—Water Works Engineers, LLC for engineering services:
 - >Project #22039.01 – EDHWWTP Filter 5 Rehabilitation (\$4,474)
 - >Project #19008.01 – EDM 1 Relocate/Camino Safety Project (\$7,920)
 - >Project #11032.01 – Main Ditch-Forebay to Reservoir 1 (\$831)
- \$20,244—Youngdahl Consulting Group, Inc. for geotechnical engineering services – Motherlode Force Main Replacement Program ([Project #21081.01](#))

May 4, 2023

To: Jim Abercrombie, General Manager
From: Becky Belgram, Acting Finance Manager
Via: Jamie Bandy, Director of Finance
RE: Warrant Register Executive Summary Approval

Attached is the summary for May 9, 2023 for your review and approval.

Executive Summary for May 9, 2023 -- \$1,375,479.53:

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
- \$5,238—AT&T for wide area network service
- \$3,729—Diepenbrock Elkin, LLP for outside legal services
- \$23,135—Ferguson Enterprises, LLC for meters, valves, couplings, clamps, and other miscellaneous warehouse inventory
- \$4,201—Holt of California for unit injector repair services
- \$22,442—Hunt & Sons, Inc. for card lock fuel and fuel deliveries at various locations
- \$26,520—Liebert Cassidy Whitmore for legal services
- \$4,062—Mission Critical Specialists, Inc. for UPS preventative maintenance service
- \$11,194—Mountain States Pipe & Supply Co. for four 4" water meters
- \$6,078—MSDSonline, Inc. for software licenses
- \$29,070—QBIX, LLC for software maintenance
- \$4,287—Ron DuPratt Ford for miscellaneous vehicle maintenance supplies
- \$3,066—Sierra Nevada Tire and Wheel for tires and service calls

Engineering Operations (Fund 210)

- \$3,262—Landmark Environmental, Inc. for support services for NEPA compliance and preparation of decision memo regarding protection of wood-constructed flumes
- \$9,867—Stantec Consulting Services, Inc. for biological evaluation and NEPA compliance support

Water Operations (Fund 310)

- \$12,975—Aqua Tech Company for Reservoir B cover cleaning
- \$3,653—Core & Main, LP for 75 copper adapter sleeves
- \$12,132—Larry Walker Associates, Inc. for on-call regulatory permitting related to Jenkinson Lake/Middle Form Cosumnes River Watershed Sanitary Survey
- \$3,505—Pace Supply Corporation for PVC pipe and valve rebuild and repair supplies
- \$3,767—Platt Electric Supply for safety switches, cable connectors, wire and other miscellaneous electrical supplies
- \$7,205—Technical Systems, Inc. for SCADA programming services
- \$30,242—U.S. Bureau of Reclamation for restoration fund payments
- \$7,282—Univar Solutions USA, Inc. for sodium hypochlorite at Reservoir A
- \$3,294—Verizon Wireless for cell phone service
- \$3,071—Watershed, LLC for custom employee rain gear

Wastewater Operations (Fund 410)

- \$50,581—Doug Veerkamp General Engineering, Inc. for emergency stormwater pumping and hauling during storm events
- \$5,991—Herc Rentals, Inc. for a vacuum assisted pump rental for emergency bypass pumping as Marina Village 1 Lift Station
- \$5,831—Home Depot Credit Services for two sump pumps, a water heater, lumber, paint and other miscellaneous operating supplies
- \$22,620—Polydyne, Inc. for defoamer and polymer at EDHWWTP and DCWWTP
- \$10,649—Univar Solutions USA, Inc. for sodium hydroxide at EDHWWTP
- \$8,647—Veolia Water Technologies Treatment Solutions USA, Inc. for ultraviolet products at EDHWWTP
- \$24,072—Xylem Water Solutions USA, Inc. for three pump impellers at DCWWTP

Recycled Water Operations (Fund 510)

- \$4,436—Carollo Engineers, Inc. for Bridlewood tank analysis

Hydroelectric Operations (Fund 610)

- \$3,960—Technical Systems, Inc. for SCADA programming modification and testing services

Recreation Operations (Fund 710) – none to report

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

- \$29,250—Concrete Science, Inc. for concrete analysis – Flume 45 Abutment Replacement (Project #17025.01)
- \$5,507—Gannett Fleming, Inc. for engineering services – El Dorado Powerhouse Roof Drainage and Covering (Project #16046.01)
- \$804,506—TNT Industrial Contractors, Inc. for construction services (\$846,848) – EDHWWTP WAS DAFT Rehabilitation (Project #18035.01). Retention held \$42,342
- \$53,053—Xylem Water Solutions USA, Inc. for a submersible pump and backup controller – DCWWTP Nutrient Pump Replacement (Project #22053.01)

Employee Expense Reimbursements
Warrant Registers dated 04/18/23 - 05/09/23

EMPLOYEE	DESCRIPTION	AMOUNT
Elizabeth Dawson	Travel Expenses to Attend AWWA Conference	\$667.64
Jan Wolf	Travel Expenses to Attend GIS Conference	\$595.18
Jeff Holloway	Travel Expenses to Attend Timber Operator Course	\$468.44
Scott Tarbox	Mileage For Travel Between Various District Sites to Perform IT Related Work (3/10/23-3/31/23)	\$250.21
Daniel Corcoran	Food for Line Repair Crew, Eagle Ornament for Sly Park Conference Room and Ceremonial Keys for Bass Lake Facility Transfer to EDHCSD	\$163.52
John Kessler	Travel Expenses to Attend Dam Safety Training	\$2,317.01
Joseph Cortez	Travel Expenses to Attend CUPA Conference	\$411.02
Renee Barragan	Notary Renewal, Training and Testing	\$109.36
Brian Mueller	Travel Advance For ACWA Conference Expenses	\$475.00
Ashley Sanne	Postage to Mail LCRR Letters While Postage Machine Was Broken	\$139.23
Jene Hayden	Grade 3 Water Treatment Operator Certification, Application Fee and Training/Contact Hours	\$280.00
		\$5,876.61

EL DORADO IRRIGATION DISTRICT

SUBJECT: Consider approving contract amendments to Cal Sierra Construction, Inc. in the not-to-exceed amount of \$754,816 for rafter replacement and roof rehabilitation and MCS Inspection Group in the not-to-exceed amount of \$69,677 for specialty coating inspection and authorize additional funding of \$25,000 for specialty welding inspection, \$27,000 for capitalized labor and \$75,480 in contingencies for a total funding request of \$951,973 for the Bass Lake Tank #2 Rafter Replacement and Roof Rehabilitation Project, Project No. 23020.01.

PREVIOUS BOARD ACTION

November 14, 2022 – Board adopted the 2023-2027 Capital Improvement Plan (CIP), subject to available funding.

December 12, 2022 – Board adopted the 2023-2024 Operating Budget and 2023-2027 Financial Plan, which included funding for the Bass Lake Tank Recoating Project.

January 23, 2023 – Board awarded contracts to Cal Sierra Construction, Inc. in the not-to-exceed amount of \$2,961,800 for tank recoating and repair services and MCS Inspection Group in the not-to-exceed amount of \$141,531 for specialty coating inspection for the Bass Lake Tanks Recoating Project, which staff determined is exempt from the California Environmental Quality Act, Tracking No. T2021.22.

February 13, 2023 – Board received overview regarding condition of District storage reservoirs and tanks.

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

BP 3060 Contracts and Procurement
BP 5000 Water Supply Management

SUMMARY OF ISSUE

The Bass Lake Tanks recoating project is currently underway, and the contractor has begun work on Bass Lake Tank #2. Unanticipated structural damage was discovered when Bass Lake Tank #2 was taken offline and drained for the work. Due to extensive corrosion and metal loss on the dollar plate, inner and outer rafters, and some roof plates, structural rehabilitation and replacement is required before completing the recoating project.

BACKGROUND/DISCUSSION

Bass Lake Tanks #1 and #2 were originally constructed between 2003 and 2005. These tanks have a combined storage of 8.2 million gallons (4.1 million gallons each) and represent a major water transmission hub in delivering water from eastern supplies to Cameron Park and El Dorado Hills. The interior of Bass Lake Tank #1 was recoated in 2018/2019. This current project includes the recoating of the exterior of Bass Lake Tank #1, and recoating of the interior and exterior of Bass Lake Tank #2.

Bass Lake Tank #2

Bass Lake Tank #2 was drained for the recoating project and the Contractor mobilized to the site in mid-February. During initial inspection and blasting, it was found that components of the roof and rafters had failed in several areas due to extensive corrosion. These initial findings required additional inner and outer rafters be removed from the tank to perform a full inspection of the rafters as well as the roof plates in contact with the rafters.

The full inspection of the tank's structural members noted multiple deficiencies from the tanks initial construction. First, when the tank was constructed, the rafters were not wedged during the coating process. Wedging is a common practice in tank coating operations where the contractor installs wooden wedges between the roof plate and the rafters to allow full access to both the roof plate and top flange of the rafter for coating. Once the coating is fully applied and complete, the wedges are removed. The absence of wedging is apparent by the presence of red primer paint on both the top flange of the rafter, as well as on the tank roof shell where surfaces weren't initially coated. It also appears that blasting media used to prepare the roof rafters for the initial coating during construction was not thoroughly removed and silica sand was found between the roof rafters and the roof plate in several locations. Silica sand absorbs water in a moist environment, and when in contact with the top of the rafter becomes a catalyst for corrosion. Finally, the existing coating system was applied below required minimum thickness in some locations indicating that the full coating system was not applied adequately to the entire tank. A summary of these findings and additional information regarding the condition of Bass Lake Tank #2 is included in MCS Inspection Group's report (Attachment A).

Based on MCS Inspection Group's report, the following structural rehabilitation is required prior to continuing with the coating process.

Dollar Plate Replacement

The dollar plate is the center support for the tanks rafters. Under the current configuration, all inner rafters are bolted to the dollar plate and the roof vent is mounted above it. Bolted connections are notorious for corrosion issues due to the presence of dissimilar metals between the bolts and steel members, and difficulty with applying a full coat to the bolted connection. During inspection, staff found advanced corrosion within the dollar plate at the center support.

Staff recommends replacement of the dollar plate with a halo ring, which is made of welded connections. Welded connections are preferred due to the ability to seal weld which provides a seamless connection and minimizes voids where moisture can collect and create a potential for corrosion. This also allows for a more uniform and consistent final coating to be applied.

Inner and Outer Rafters Replacement

During inspection, staff observed advanced corrosion on all rafters in the tank. In particular, the top flange of the rafters that are in contact with the roof plate are failing. Staff has determined that when the second tank was installed, the rafter top flanges were not wedged and were only coated with primer from the tank manufacturer. This has led to the advanced corrosion and metal loss on all rafters. Staff recommends full replacement of the inner and outer rafters. In addition, staff recommends replacement of all corroded rafter hardware including rafters knuckle spacers and clips, and earthquake straps given the similar advancement of corrosion on these items.

Center Roof Plate Replacement

The District's inspector identified three perforations clustered in the center roof following initial blasting. Perforations are formed when corrosion has resulted in full metal loss of the roof plate, and are typically only found after the coating is removed during the blasting process. More

perforations in the center roof plates are expected to be found after the dollar plate and inner rafters are removed and blasting is continued. Staff recommends replacing and requested contractor pricing to replace up to five center roof plates due to perforations although the total number of replaced plates may be less. If less than five center plates are replaced, a credit will be issued to the District.

Roof Rehabilitation

Extensive corrosion and steel loss was also found on roof plates at the rafter and roof interface. Similar absence of wedging resulted in an inadequate application of the final coating to the roof plates. To assess the condition of the roof, staff issued an on-call contract to Water Works Engineers, Inc. (Water Works) to provide structural recommendations for rehabilitation or replacement of the roof plates. After reviewing Water Work’s assessment, staff is recommending rehabilitation, rather than a full roof plate replacement. Rehabilitation will consist of plug welding any perforations in the roof plate, installing an epoxy patching and surfacing compound where there is pitting of the steel, and then proceeding with applying the new coating to the restored surface.

Girder Rehabilitation

Visual inspection of the girders showed extensive corrosion with the presence of corrosion blistering and tubercles, a small rounded prominence. However, upon blasting the girders it was found that the corrosion was limited to minor pitting that doesn’t compromise structural integrity. Staff recommends additional blasting to remove all pitted and tubercle material, epoxy patching any pitting of the steel to provide a uniform surface, and then proceeding with applying the new coating to the girders.

Bass Lake Tank #2 - Change Order 1

The replacement and rehabilitation of the items listed above were combined into a single proposed change order with Cal Sierra Construction, Inc. in the amount of \$754,816. Table 1 includes a summary of costs, which were negotiated with the contractor and also evaluated against recent similar work performed at Tank 2/2A. When adjusted for inflation, the proposed costs are effectively the same indicating proper proposed pricing from the contractor. Itemized costs for each line item and back-up documentation are included in Attachment B.

Table 1 – Change Order No. 1

Item No.	Item Description	Cost
1	Mobilization	\$ 60,000
2	Door Sheet	\$ 22,750
3	Halo Ring	\$ 21,450
4	Replace Inner Rafters	\$ 143,280
5	Replace Outer Rafters	\$ 311,040
6	Replace Rafter Clips	\$ 33,480
7	Replace Knuckle Spacers	\$ 21,240
8	Replace Earthquake Straps	\$ 16,200
9	Replace 84” Roof Vent	\$ 12,200
10	Replace Roof Plate (5 roof plate)	\$ 46,000
11	Wedging Credit	(\$ 10,000)
12	Girder Rehabilitation	\$ 5,896
13	Roof Plate Rehabilitation	\$ 71,280
TOTAL		\$ 754,816

Specialty Coating Inspection

Additional specialty coating inspection will be needed to inspect both the coating of the new rafters prior to installation and inspection of the coating at the connection points of the rafters following installation. A contract amendment to MCS Inspection Group's contract in the amount of \$69,677 has been negotiated to complete these additional inspections (Attachment C). Since this coating inspection is required due to required replacement of failed components, these costs are also proposed to be allocated to the CIP project instead of the annual operating budget where the original recoating efforts were charged.

Schedule

The structural work is expected to take an additional 16 weeks, with project completion now expected in early 2024.

Future Tank Recoating Projects and Lessons Learned

The condition of Bass Lake Tank #2 was assumed to be similar to Bass Lake Tank #1, which was internally recoated in 2019 without issue. This assumption was based on the fact that they are sister tanks constructed near the same timeframe. Construction of Bass Lake Tank #1 was awarded in September 2002 and Bass Lake Tank #2 was awarded in June 2003, both to the same contractor. Unfortunately, the corrosion seen within Bass Lake Tank #2 progressed extensively following its last inspection, likely due to differences in the quality of original coating application between the two tanks. Unfortunately the historic inspection of coating were less rigorous than today's standards, which are intended to prevent premature coating failure such as that observed in Bass Lake Tank #2.

All drinking water tanks have a dive inspection performed once every five years. During each inspection, the diver conducts an in depth review of the structure, identifying any deficiencies that may have arisen since the last inspection. The inspection of the roof components in steel tanks are limited with these dives due to the fact that the high water level of the tank is typically several feet below the roof of the tank, making it difficult to inspect the tanks roof and rafters.

In the past, the District has performed tank floats to supplement tank inspections. This is when a raft that is approved for use in drinking water is placed in the tank and an engineer performs visual inspections of the rafters from the raft. Again, this is limited depending on the height of the operating water surface and the distance to the roof.

The next recoating projects are for the Bridlewood Tank and Reservoir 4, which are planned for late 2024. Prior to bidding these projects, the District plans to include a structural analysis of the tanks current condition as much as feasible to better determine if structural rehabilitation will be required prior to the recoating process.

FUNDING

The Bass Lake Tank #1 exterior recoating and Tank #2 interior & exterior recoating was initially funded through the drinking water division operations budget. Similar to the previous Reservoir 2/2A project, the project scope for Bass Lake Tank #2 has significantly changed with the need to replace all the rafters and perform significant roof rehabilitation. These additional expenses should be capitalized against the asset and, as such, staff has created the Bass Lake Tank #2 Rafter Replacement and Roof Rehabilitation CIP, Project No. 23020.01. Water Facility Capacity Charges are the proposed funding source for storage tank replacement and rehabilitation. Funding in the amount of \$951,973 is requested for this project per the following table:

Table 2 – Funding Requirements

Cal Sierra Construction, Inc. – Contractor	\$ 754,816
MCS Inspection – Specialty Coating Inspection	\$ 69,677
Specialty Weld Inspection	\$ 25,000
Capitalized Labor (Project Management)	\$ 27,000
Contingency (10%)	\$ 75,480
TOTAL	\$ 951,973

The Bass Lake Tank #2 Rafter Replacement and Roof Rehabilitation Project was not included in the 2023-2027 CIP. Staff will review the current CIP and shift projects as needed to meet budget requirements. For example, portions of the planned 2023 waterline replacement project (Forebay/Drop Off Road estimated at \$4,520,000) will be deferred to 2024 due to rebidding the project and schedule adjustments.

BOARD OPTIONS

Option 1: Award contract amendments to Cal Sierra Construction, Inc. in the not-to-exceed amount of \$754,816 for rafter replacement and roof rehabilitation and MCS Inspection Group in the not-to-exceed amount of \$69,677 for specialty coating inspection and authorize additional funding of \$25,000 for specialty weld inspection, \$27,000 for capitalized labor, and \$75,480 in contingencies for a total funding request of \$951,973 for the Bass Lake Tank #2 Rafter Replacement and Roof Rehabilitation Project, Project No. 23020.01.

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

Option 3: Take no action.

RECOMMENDATION

Option 1

ATTACHMENTS

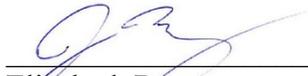
Attachment A: MCS Inspection Report

Attachment B: Cal Sierra Construction, Inc. Change Order No. 1

Attachment C: MCS Additional Inspection proposal



Kailee Delongchamp
Associate Engineer



for

Elizabeth Dawson
Engineering Manager



Brian Mueller
Engineering Director

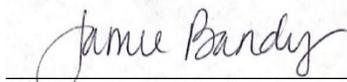


for

Patrick Wilson
Drinking Water Operations Manager



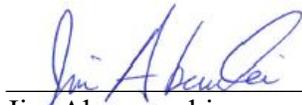
Dan Corcoran
Operations Director



Jamie Bandy
Finance Director



Brian Poulsen
General Counsel



Jim Abercrombie
General Manager

REPORT No:	Corrosion Eval Report
DATE:	March/April/2023
MCS JOB No:	23-003
Page 1 of 15	

Attachment A

CORROSION EVALUATION REPORT T2

Project Name:	Bass Lake T2	Field Inspector:	McNeely, Robert
Client:	El Dorado Irrigation District	Contractor:	DI Industrial
Client Contact:	Kailee DeLongchamp	Contractor Contact:	Danny Espinoza

COMMENT SECTION

MCS Sr. Inspector Robert McNeely, has been on site at Bass Lake, located in El Dorado Hills Ca. from the start of the project. The purpose of this report is to assist the district in performing an evaluation of the current existing steel condition of the interior of Tank 2. The locations of the condition found issues identified for this report have been gathered from the beginning of the project and are as follows:

- All interior vapor space structure, both above and below the water line.
- Both the inner and outer rafters.
- The girders and girders columns.
- The roof plate at all contact points.

Interior Vapor Space Structural, General Overall Conditions:

1. Heavy general corrosion is typical on all center rafters; blistering is visible from ground level on the bottom of several of the rafter flange faces as well as webbing of rafters. Heavy stratification visible from ground.
2. Heavy metal loss on numerous seismic straps viewed from the ground.
3. Roof plate flats appear to have several conditions, from intact coating to heavy general corrosion up to and including full coating failure.
4. Areas at the dollar plate center column support have heavy corrosion visible at the rafter dollar plate interface.
5. Six of the girders have clear tubercles present on webbing and blistering visible on the flange faces. The remaining girders have general corrosion visible but appear to be mainly intact coating.
6. The outer rafters appear to have mixed findings with everything from intact coated areas to heavy blistering and full coating failure, the worst areas on the outer pass are found mainly in the south and southeast side of the tank.
7. The knuckle appears intact with only isolated areas of general corrosion and surface rust bleeding which is presenting from rafter contact points and migrating down the shell.
8. The column's coating system is found to be fully intact with only isolated minor tubercles near the columns dollar plate interface.
9. Overflow and inlet coating system are found intact.

Once the initial evaluation was performed from the ground and the coating contractor completed assembly of their rolling scaffolding a closer evaluation was then possible and the condition found issues identified were as followed:

10. *Center Dollar Plate @ Rafter Interface:* Heavy metal loss is visible on both top and lower rafter flanges, which is typical of all rafters viewed. Perforations identified at webbing on several rafters, Excessive metal loss is typical of all rafter flanges both upper and lower. Center vent base and rafter contact point has metal loss visible up to and including perforations. These areas have been marked for inspection blasting.
11. *Girders:* Tubercles on the webbing of girders as well as massive blistering is clearly visible. These areas have been marked for inspection blasting.
12. *Outer Rafters/Roof Interface:* Stratification visible at all rafters at top flange/roof interface locations, typical of all viewed. MCS has identified several rafters and requested they be wedged for inspection blasting to evaluate the metal loss at both the top flange contact points and the roof contact points. These areas have been marked for inspection blasting.

REPORT No:	Corrosion Eval Report
DATE:	March/April/2023
MCS JOB No:	23-003
Page 2 of 15	

Once the inspection blasting was completed the severity of metal loss has prompted the district to request to request that 6 rafters be removed, and a full inspection blast be performed at the roof/rafter interfaces and on the top flanges of the removed rafters. Once completed the condition found issues identified were as follows:

13. Center Dollar Plate @ Rafter Interface: Heavy metal loss with severe knife edging on the rafter lips both upper and lower flanges. Perforations visible at webbing on several center rafters. Metal loss was so great that inspection blasting was halted due to safety concerns due to metal loss.
14. Roof Plate: Heavy metal loss on the center most 4 roof plates at all contact points viewed. 4 Perforations have been identified. The corrosion pitting where the rafters were removed shows metal loss ranging from 50 - 100% of the 3/16th roof plate at the rafter roof contact points.
15. Girders: Post inspection blast reveals isolated heavy corrosion pitting visible. Girders appear to be salvageable and MCS recommends using a 100% solid resurfaces to address the isolated pitted areas prior to coating system installation.
16. Outer rafters (removed): Of the 6 rafters removed all 6 rafters show heavy stratified corrosion visible along 80% or greater of the surface of the top flange face. Furthermore, the areas where the existing coating is found intact, only shop applied primer is visible. MCS also identified blast media inclusions as one of the causes for the accelerated corrosion. The shop primer DFT is obtained prior to inspection blasting and ranged from 0.83 -3.38mils9 Full system should have been approximately 13mils. Post blast inspection of the rafters shows heavy deep corrosion pitting along virtually 100% of the surface where the stratification was identified. The top flange thickness due to metal loss varied up to greater than 50% loss.
17. Outer Roof Plates @ Rafter Contact Points: The roof plates all have heavy metal loss at contact points only. Non-contact points are fully intact. Contact points vary from rafter to rafter. Heavy corrosion pitting is the main condition found issue at the contact points and of the 6 rafters removed 1 perforation was identified during the inspection blasting.

Cause for the failures: The evaluation shows that at all contact points the original system was not fully installed and was the direct cause for the premature failure and heavy metal loss due to accelerated corrosion. Through the course of the evaluation at all contact points viewed only shop primer was found visible at both the roof plate and the top rafter flange faces at their respective contact points. Furthermore, the original coating contractor failed to follow proper know industry standards for proper surface preparation by removing spent abrasive from the tops of the rafters which was another direct cause for the severity of the failure now present.

This report was prepared by,
MCS Inspection Groups
Sr. Coating Consultant
Robert McNeely
NACE Certified Level 3 Sr. Inspector, Cert No. 9415
SSPC-C3 Competent Person – Supervisor

Inspector	<i>Robert McNeely</i>	Report Reviewed By:	Robert McNeely, Sr. Coating Consultant			
Date:	02/April/2023	Date Reviewed:	02/April	Complete <input checked="" type="checkbox"/>	Incomplete <input type="checkbox"/>	Revised <input type="checkbox"/>

REPORT No:	Corrosion Eval Report
DATE:	March/April/2023
MCS JOB No:	23-003
Page 3 of 15	

Interior Vapor Space Structural, General Overall Conditions:



General overall condition, Intact coating, Surface corrosion, Heavy corrosion at center.



Heavy corrosion and metal loss at Seismic Straps.

REPORT No:	Corrosion Eval Report
DATE:	March/April/2023
MCS JOB No:	23-003
Page 4 of 15	

Interior Vapor Space Structural, General Overall Conditions:



Existing coating conditions on Girders



Typical of Girders

REPORT No:	Corrosion Eval Report
DATE:	March/April/2023
MCS JOB No:	23-003
Page 5 of 15	

Center Dollar Plate @ Rafter Interface:



Heavy corrosion visible at center rafter @ dollar plate.



Existing condition @ Center Rafter/Dollar Plate.

REPORT No:	Corrosion Eval Report
DATE:	March/April/2023
MCS JOB No:	23-003
Page 6 of 15	

Center Dollar Plate @ Rafter Interface:



Heavily stratified flanges both upper and lower @ Center Rafters.



Typical of all center rafters viewed.

REPORT No:	Corrosion Eval Report
DATE:	March/April/2023
MCS JOB No:	23-003
Page 7 of 15	

Center Dollar Plate @ Rafter Interface (Post-Blast):



Massive metal loss @ center rafters and dollar plate.



Condition Found Post-Blast @ Center Rafters.

REPORT No:	Corrosion Eval Report
DATE:	March/April/2023
MCS JOB No:	23-003
Page 8 of 15	

Center Dollar Plate @ Rafter Interface (Post-Blast):



Two of the perforations identified in the center.



REPORT No:	Corrosion Eval Report
DATE:	March/April/2023
MCS JOB No:	23-003
Page 9 of 15	

Center Dollar Plate Including Rafters (Post-Blast):



Stratified Corrosion at webbing on rafter.



Perforation at webbing/lower flange, post blast.

REPORT No:	Corrosion Eval Report
DATE:	March/April/2023
MCS JOB No:	23-003
Page 10 of 15	

Outer Rafters/Roof Interface:



Outer pass showing coating mainly intact.



Main concern on outer pass is the contact points at roof/rafter interface.

REPORT No:	Corrosion Eval Report
DATE:	March/April/2023
MCS JOB No:	23-003
Page 11 of 15	

Outer Rafters/Roof Interface:



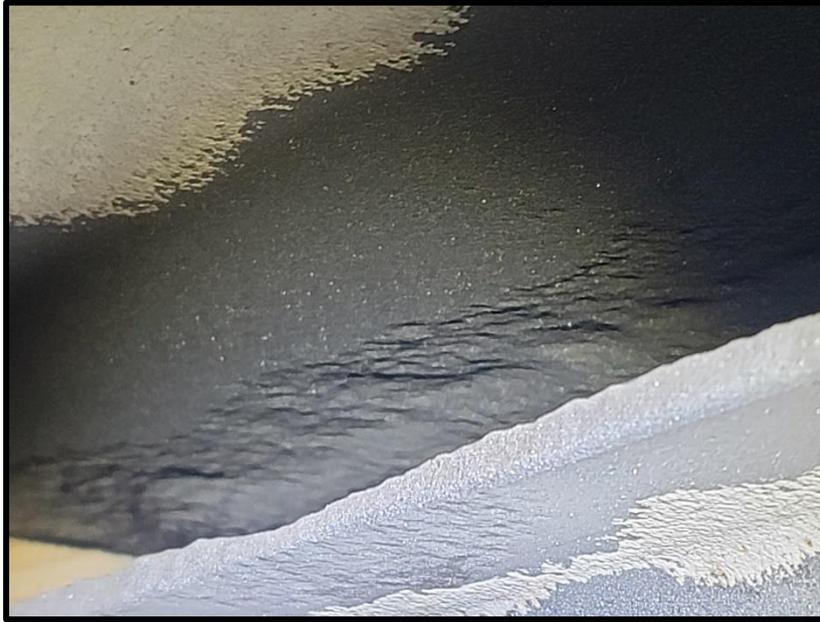
Heavy stratification at outer rafter roof interface.



Outer rafter/girder interface, rafter clip disintegrated due to corrosion.

REPORT No:	Corrosion Eval Report
DATE:	March/April/2023
MCS JOB No:	23-003
Page 12 of 15	

Outer Rafters/Roof Interface:



Deep corrosion pitting at outer rafter/ roof interface.



Outer rafter showing only shop prime applied, also blast media inclusions visible.

REPORT No:	Corrosion Eval Report
DATE:	March/April/2023
MCS JOB No:	23-003
Page 13 of 15	

Outer Rafters:



Pre-blast outer rafter (good side of tank).



Post-blast outer rafter (good side of tank).



Pre-blast outer rafter (worst side of tank).



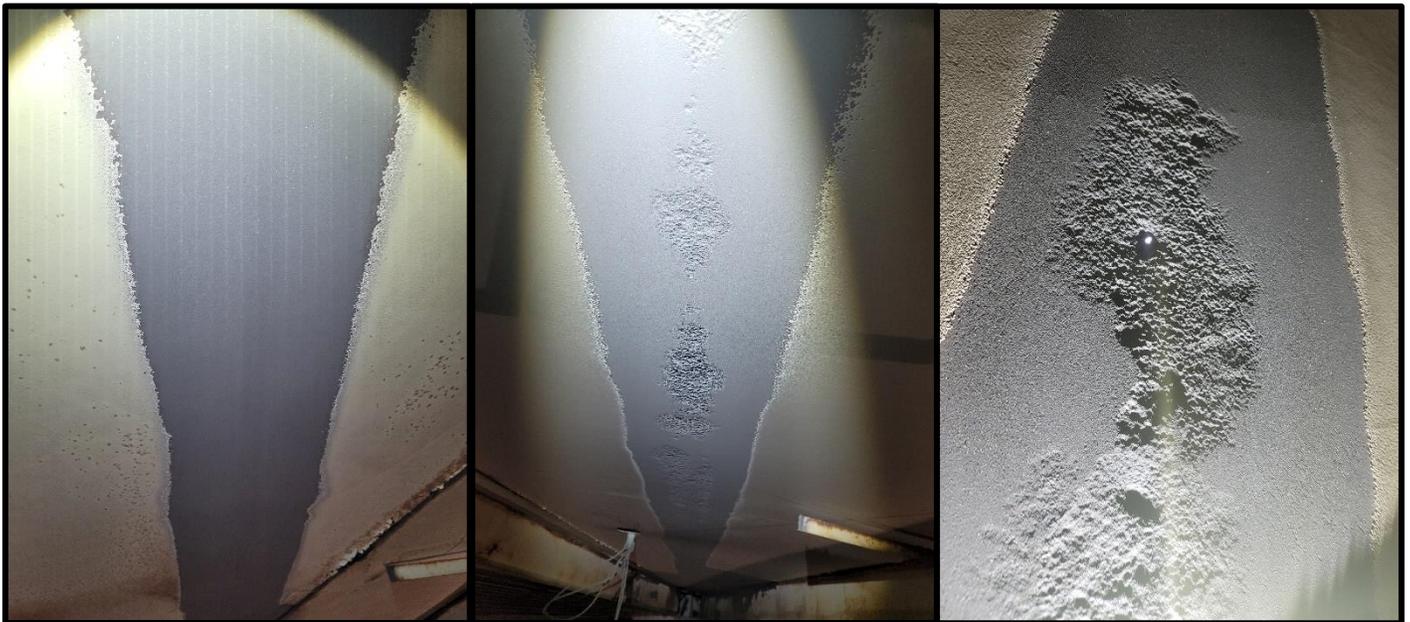
Post-blast outer rafter (worst side of tank).

REPORT No:	Corrosion Eval Report
DATE:	March/April/2023
MCS JOB No:	23-003
Page 14 of 15	

Outer Roof @ Rafter Interface:

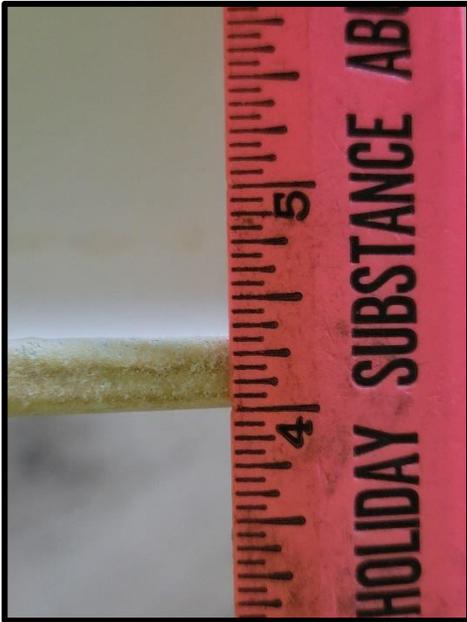


Outer Pass Roof Plate @ Rafter Interface, difference between contact and non-contact points varied in conditions from full intact primer to heavy stratification with clear signs of heavy metal loss, including perforation (identified on good side of tank).



REPORT No:	Corrosion Eval Report
DATE:	March/April/2023
MCS JOB No:	23-003
Page 15 of 15	

ADDITIONAL PHOTOS FOR REVIEW:



Example of a good flange 3/16 = SAT



Outer rafter flange after removing corrosion 1/16 = UNSAT.



Roof corrosion on 3/16 plate.



Typical of many of the contact points showing corrosion pitting.

Change Order No. 1 Summary

Item No.	Description	Unit Costs	TOTAL COST
1	Mobilization		
	Equipment	\$ 43,210	\$ 60,000
	Sub-Contractor	\$ 11,340	
	Mark-Up (10%)	\$ 5,450	
Door Sheet			
2	Equipment	\$ 1,800	\$ 22,750
	Sub-Contractor	\$ 18,000	
	Material	\$ 881	
	Mark-Up (10%)	\$ 2,069	
Halo Ring			
3	Equipment	\$ 2,900	\$ 21,450
	Sub-Contractor	\$ 14,400	
	Material	\$ 2,200	
	Mark-Up (10%)	\$ 1,950	
Replace Inner Rafters			
4	Equipment	\$ 8,700	\$ 143,280
	Sub-Contractor	\$ 90,000	
	Material	\$ 31,554	
	Mark-Up (10%)	\$ 13,026	
Replace Outer Rafters			
5	Equipment	\$ 15,950	\$ 311,040
	Sub-Contractor	\$ 165,000	
	Material	\$ 104,714	
	Mark-Up (10%)	\$ 28,276	
Replace Rafter Clips			
6	Equipment	\$ 3,942	\$ 33,480
	Sub-Contractor	\$ 24,300	
	Material	\$ 2,195	
	Mark-Up (10%)	\$ 3,043	
Replace Knuckle Spacers			
7	Equipment	\$ 2,628	\$ 21,240
	Sub-Contractor	\$ 16,200	
	Material	\$ 481	
	Mark-Up (10%)	\$ 1,931	
8	Replace Earthquake Straps - \$300/each		
	Additional 54 - per bid price		\$ 16,200
Replace 84" Roof Vent			
9	Equipment	\$ 580	\$ 12,200
	Sub-Contractor	\$ 3,600	
	Material	\$ 6,911	
	Mark-Up (10%)	\$ 1,109	
Replace 5 Roof Plates			
10	Equipment	\$ 580	\$ 46,000
	Sub-Contractor	\$ 30,000	
	Material	\$ 11,238	
	Mark-Up (10%)	\$ 4,182	
Wedging Credit			
11	Equipment	\$ (400)	\$ (10,000)
	Sub-Contractor	\$ (8,640)	
	Material	\$ (51)	
	Mark-Up (10%)	\$ (909)	
Steel Seam (cost/lf installed)			
12 & 13	Equipment, Sub-Contractor, & Materials / lf	\$ 20	\$ 77,176
	Mark-Up (10%)	\$ 2	
	total cost / lf	\$ 22	
	Girders Steel Seam (268 lf)	\$ 5,896	
	Roof Plate Steel Seam (3,240 lf)	\$ 71,280	

TOTAL COST \$ 754,816

**El Dorado Irrigation District
Bass Lake Tank Structural Rehabilitation
Explanations of Itemized Costs**

The following information is predicated on spreadsheet information that was previously submitted to the El Dorado Irrigation District (EID) as a means of subdividing Cal Sierra Construction's (CSC) proposed structural rehabilitation pricing structure. The information contained herein addresses each of the previously itemized cost centers in an effort to further define the origin of said pricing.

Item #1 – Mobilization: Since the original base bid-inclusive cost for the painting crew to mobilize onto the Bass Lake job site has been expended and the bid-inclusive cost for the painting crew to demobilize from the project will be forthcoming upon completion of all work, a cost structure must be developed to cover the painting crew's costs of mobilize and demobilize at sporadic intervals during the steel fabrication process. A minimum of seven sporadic mob/demob operations are expected to be required as follows:

1. After construction of the new halo assembly, the crew will remobilize to blast and coat the upper face of the halo that will become inaccessible after beam installation.
2. After removal of half (18) of the inner rafters the crew must remobilize to blast and coat the new rafters along with the corresponding roof area prior to installation of the new rafters.
3. After removal of the second half (18) of the inner rafters, the crew must remobilize to blast and coat the new rafters along with the corresponding roof area.
4. After removal of one third of the outer rafters (and associated roof plate as required), the crew must remobilize to blast and coat the new rafters along with the corresponding roof area prior to installation of the new rafters.
5. After removal of the second third of the outer rafters (and associated roof plate as required), the crew must remobilize to blast and coat the new rafters along with the corresponding roof area prior to installation of the new rafters.
6. After removal of the final third of the outer rafters (and associated roof plate as required), the crew must remobilize to blast and coat the new rafters along with the corresponding roof area prior to installation of the new rafters.
7. After reinstallation of the door sheet, the crew must remobilize to continue normal work activities through completion of the project.

Item 1 Mobilization (Continued)



The cost of all preparing the steel surface and applying the coatings along with all ancillary equipment, material and labor costs must be considered to be part of the original base bid therefor no additional costs are chargeable for this work. The additional costs associated with this item pertain to incidental labor costs as required to re-run blast/paint lines and clean blast equipment and airless spray equipment at the end of each application period. The lion's share of this cost item pertains to equipment rental costs incurred while the equipment remains idle during the fabrication work. It is estimated that the total equipment down time will approximate eight weeks.

NOTE: An analysis was performed that compared rental costs during this period with the costs of removing the equipment at the end of each of the seven work periods and returning the equipment to the site. The cost of transporting the equipment to/from the site plus the labor costs for new set-up far exceeded the rental costs. The rental costs are addressed below along with the incidental labor costs.

Equipment costs per month:

• Dust Collector	\$1,315/week
• Blast Pot & Lines	\$ 990/week
• Airless Spray Equipment and Lines	\$ 880/week
• Storage Container	\$ 228/week
• Compressors & Air Lines	\$1,290/week
• Generators & Lighting	<u>\$ 698/week</u>
	\$5,401/week x 8 weeks of down time = \$43,210

Painting Crew Labor Costs per Mobilization

- Two hours for each mobilization and two hours for each demobilization for a three man crew @ \$135/hr (inclusive of hourly labor rate, mileage, per diem, union fees) = \$1,620 x 7 mobs/demobs = **\$11,340**

Material Costs – No extra material costs are associated with this Item.

SUB COSTS FOR ITEM #1 =	\$54,550
PRIME CONTRACTOR 10% =	<u>\$ 5,450</u>
TOTAL COST FOR ITEM #1 =	\$60,000

Item 2 Door Sheet: The removal and reinstallation of the door sheet pertains to the fabrication crew's hourly cost to perform this work plus incidental equipment and material costs. The time span required



to remove the door sheet is two days as performed by a 3 man fabrication crew. The time span to re-install the door sheet is three days as performed by a 3 man fabrication crew.

Equipment Costs

- Welding equipment, man lift & generator **\$1,800/week**

Fabrication Crew Labor Costs

- 40 hour work week x 3 man crew x \$150/hr (inclusive of hourly labor rate, mileage, per diem and taxes) **\$18,000**

Materials

- Welding rod and miscellaneous material **\$ 881**

SUB COSTS FOR ITEM #2	\$20,681
PRIME CONTRACTOR 10%	<u>\$ 2,069</u>
TOTAL COST FOR ITEM #2	\$22,750

Item #3 Halo Ring: The removal of the existing cone support and fabrication/installation of a new halo assembly pertains to the fabrication crew's hourly cost to perform the work plus the costs for equipment and material to fabricate and install this assembly. The time span required to remove the existing cone assembly and fabricate/install the new halo assembly is four days through the utilization of a three man fabrication crew:

Equipment Costs

- Welding equipment, man lift, crane & generator **\$2,900/week**

Fabrication Crew Labor Costs

- 32 hour work week x 3 man crew x \$150/hr (inclusive of hourly labor rate, mileage, per diem and taxes) **\$14,400**

Materials

- Welding rod and Carbon Steel Material **\$ 2,200**

SUB COSTS FOR ITEM #3	\$19,500
PRIME CONTRACTOR 10%	<u>\$ 1,950</u>
TOTAL COST FOR ITEM #3	\$21,450

Item 4 Replace Inner Rafters: The removal of the existing inner rafters and fabrication/installation of new inner rafters pertains to the fabrication crew's hourly cost to perform the work plus the costs for equipment and material to cut each rafter to length and install each rafter. A five man fabrication crew



will be utilized to remove every other rafter, position 18 rafters in the tank for subsequent blasting/painting work and install the 18 rafters after the painting process. This operation will then be duplicated for the remaining 18 inner rafters. The replacement of all 36 rafters is expected to span a total of 3 weeks.

- Welding equipment, man lift, crane & generator @ \$2,900/week **\$8,700**

Fabrication Crew Labor Costs

- 120 hour work week x 5 man crew x \$150/hr (inclusive of hourly labor rate, mileage, per diem and taxes) **\$90,000**

Materials

- Welding rod and Carbon Steel Beams **\$31,554**

SUB COSTS FOR ITEM #4	\$130,254
PRIME CONTRACTOR 10%	<u>\$ 13,026</u>
TOTAL COST FOR ITEM #4	\$143,280

Item 5 Replace Outer Rafters: The removal of the existing outer rafters and fabrication/installation of new outer rafters pertains to the fabrication crew's hourly cost to perform the work plus the costs for equipment and material to cut each rafter to length and install each rafter. A five man fabrication crew will be utilized to remove every third rafter, position 24 rafters in the tank for subsequent blasting/painting work and install the 24 rafters after the painting process. This operation will then be duplicated for the remaining outer rafters. The replacement of all 72 outer rafters is expected to span a total of 5.5 weeks.

- Welding equipment, man lift, crane & generator @ \$2,900/week x 5.5 weeks **\$15,950**

Fabrication Crew Labor Costs

- 220 hour work week x 5 man crew x \$150/hr (inclusive of hourly labor rate, mileage, per diem and taxes) **\$165,000**

Materials

- Welding rod and Carbon Steel Beams **\$104,714**

SUB COSTS FOR ITEM #5	\$282,764
PRIME CONTRACTOR 10%	<u>\$ 28,276</u>
TOTAL COST FOR ITEM #5	\$311,040

Item 6 Replace Rafter Clips: The removal of the existing 108 rafter clips and the fabrication/installation of new clips pertains to the fabrication crew's hourly cost to perform the work plus the costs for equipment and material to fabricate each clip. A three man fabrication crew will be



utilized to systematically remove each clip and install new clips with each new rafter. Since the clip installation will be performed in conjunction with the rafter installation process, the 3 man crew will require 30 minutes to remove and replace each clip.

Welding equipment, man lift, crane & generator

- 0.5 hours x \$2,900/week equipment rental cost = \$36.50/spacer x 108 **\$3,942**

Fabrication Crew Labor Costs

- 0.5 hours x 3 man crew @ \$150/hr/man(inclusive of hourly labor rate, mileage, per diem and taxes) = \$225 x 108 clips **\$24,300**

Materials

- Welding rod and Carbon Steel Clips **\$ 2,195**

SUB COSTS FOR ITEM #2	\$30,437
PRIME CONTRACTOR 10%	<u>\$ 3,043</u>
TOTAL COST FOR ITEM #4	\$33,480

Item 7 Replace Knuckle Spacers: The removal of the existing 72 knuckle spacers and the fabrication/installation of new spacers pertain to the fabrication crew's hourly cost to perform the work plus the costs for equipment and material to fabricate each spacer. A three man fabrication crew will be utilized to systematically remove each spacer and install new spacers with each new outer rafter. Since the spacer installation will be performed in conjunction with the outer rafter installation process, the 3 man crew will require 30 minutes to remove and replace each spacer.

Welding equipment, man lift, crane & generator

- 0.5 hours x \$2,900/week equipment rental cost = \$36.50/spacer x 72 **\$2,628**

Fabrication Crew Labor Costs

- 0.5 hours x 3 man crew @ \$150/hr/man(inclusive of hourly labor rate, mileage, per diem and taxes) = \$225 x 72 Spacers **\$16,200**

Materials

- Welding rod and Carbon Steel Spacers **\$ 481**

SUB COSTS FOR ITEM #7	\$19,309
PRIME CONTRACTOR 10%	<u>\$ 1,931</u>
TOTAL COST FOR ITEM #7	\$21,240

Item 8 Replace Earthquake Straps: The removal and replacement of the earthquake straps is included in the base contract and shall not be charged separately.



Item 9 Replace 84” Roof Vent: The removal of the existing roof vent, throat enlargement and the fabrication/installation of new 84” vent pertains to the fabrication crew’s hourly cost to install the vent plus the costs for equipment, miscellaneous material and the cost of the pre-fabricated vent. A three man fabrication crew will be utilized to remove the old vent, hoist the new vent onto the roof and install the vent via seam welding. This process is expected to span approximately 1 full work day.

Welding equipment, man lift, crane & generator

- 1 day x \$2,900/week equipment rental cost **\$580**

Fabrication Crew Labor Costs

- 8 hours x 3 man crew @ \$150/hr/man(inclusive of hourly labor rate, mileage, per diem and taxes) **\$3,600**

Materials

- Welding rod and Carbon Steel Spac **\$6,911**

SUB COSTS FOR ITEM #9	\$11,091
PRIME CONTRACTOR 10%	\$ 1,109
TOTAL COST FOR ITEM #9	\$12,200

Item 10 Replace Roof Plate: The removal of 5 existing roof plates followed by the sizing and installation of new roof plates pertain to the fabrication crew’s hourly cost to perform the work plus the costs for equipment and material to fabricate/install each plate. A five man fabrication crew will be utilized to torch cut each degraded plate at pre-existing weld seams followed by the sizing of the new plates via torch cutting and the seal welding of top-side joints. This process will require the plates to be hoisted onto the roof, handled, sized and installed thereby requiring a time frame approximating 2 days per plate.

Welding equipment, man lift, crane & generator

- 1 Day x \$2,900/week equipment rental cost = \$870/plate x 5 **\$580**

Fabrication Crew Labor Costs

- 1 Day x 5 man crew @ \$150/hr/man(inclusive of hourly labor rate, mileage, per diem and taxes) = \$6,000 x 5 Plates **\$30,000**

Materials

- Welding rod and five Carbon Steel Plates **\$11,238**

SUB COSTS FOR ITEM #10	\$41,818
PRIME CONTRACTOR 10%	\$ 4,182
TOTAL COST FOR ITEM #10	\$46,000

Item 11 (Wedging Credit): The governing specification assumed that the roof structure did not require replacement. Based on this assumption, the areas of compromised accessibility between the upper face of the beam flange and the corresponding roof surface required wedging to temporarily



increase the gap between these surfaces to facilitate the blasting and coating work. The subsequently determined need to replace all rafter assemblies and the resulting accessibility to blast/coat these surfaces prior to rafter installation has eliminated the need to wedge the roof plates. As such, the following amounts have been credited to EID.

Pry Bars and Wooden Wedges...

- 2 days x \$1,000/week equipment costs **\$400**

Painting Crew Labor Costs:

- 2 Days x 4 man crew @ \$135/hr/man (inclusive of hourly labor rate, mileage, per diem and taxes) = \$8,640 **\$8,640**

Miscellaneous Materials **\$ 51**

SUB DEDUCT FOR ITEM #11	\$9,091
PRIME CONTRACTOR DEDUCT 10%	<u>\$ 909</u>
TOTAL DEDUCT FOR ITEM #11	\$10,000

Item 12 Installation of Steel Seam Epoxy as Necessary: It is well known that areas of heavily pitted steel exist within plate steel surfaces adjacent to the degraded roof rafter beams. At this time, the total quantity of pitted steel remains undefined. Since the processes of surface tension and cohesion will compromise the film thickness of the specified coatings, the application of the specified coatings directly over the pitted steel is not recommended. Therefore, the use of a specialized patching material consisting of a 100% solids epoxy is recommended to smooth these surfaces prior to the application of the specified system. The application of the Steel Seam epoxy was quoted at a cost per linear foot based upon an average width of the application being 8" to 12" and an application rate of 30 linear feet per hour. The following is the basis for this cost per linear foot calculation.

Application equipment, man lift, crane & generator

- \$1,000/week equipment rental cost = \$25/hr **\$200**

Fabrication Crew Labor Costs

- 2 man crew @ \$135/hr = \$270/hr **\$270**

Materials (Steel Seam @ \$100/gal)

- 50 lin feet/gallon **\$130**

SUB COSTS FOR ITEM #12	\$20.00/lin ft
PRIME CONTRACTOR 10%	<u>\$ 2.00/lin ft</u>
TOTAL COST FOR ITEM 12	\$22.00/lin ft

Cal Sierra Construction has attempted to provide this information in a fair and understandable format. In the event that further clarification is desired, CSC will expeditiously respond as necessary.



Due to CSC's intent to provide highly accurate cost information to the District via this report, very limited contingency costs have been added to each cost item. On this basis, CSC is accepting the full risk for unforeseen cost over-runs by subcontractors and through their use of materials that CSC provides. These unforeseen costs are typically unavoidable with this type of work scope and they are not chargeable back to the District. In an attempt to mitigate a small portion of this unavoidable risk, CSC has documented a 10% general contractor mark-up on each applicable cost item.

Additionally, please be advised that this itemized cost report is predicated on the replacement of existing degraded carbon steel plates with similarly sized new carbon steel plates. If alternative methods of plate repair/replacement are chosen by the District, the costs detailed in this report will require adjustment.

Thank you for the opportunity to expand CSC's work scope and further illustrate CSC's commitment to the successful completion of all associated District projects.



NACE Certified Inspection Services, MCS Inspection Group
rusty@mcsinspectiongroup.com 805-610-5455

5/09/2023

Kailee Delongchamp, E.I.T., D2
El Dorado Irrigation District
2890 Mosquito Road
Placerville, CA 95667

RE: Tank Coatings, additional hours needed

Kailee

After talking to Robert McNeely my onsite inspector, it is estimated to take an additional 640 hours of regular time to complete inspection of the additional repairs for the tank, all estimated time is based on repairs that are needed.

Additional hours needed,

640 Regular hours to complete additional inspection.....\$69,676.80

Rusty Pauls
NACE Certified Level 3 Inspector #10726

**Bass Lake Tank #2
Rafter Replacement and
Roof Rehabilitation Project**

Contract Amendment

Project No. 23020.01

May 22, 2023

Previous Board Actions

November 14, 2022 – Board Adopted the 2023-2027 Capital Improvement Plan (CIP), subject to available funding.

December 12, 2022 – Board adopted the 2023-2024 Operating Budget and 2023-2027 Financial Plan, which included funding for the Bass Lake Tank Recoating Project.

Previous Board Actions, Cont.

January 23, 2023 – Board awarded contracts to Cal Sierra Construction, Inc. in the not-to-exceed amount of \$2,961,800 for tank recoating and repair services and MCS inspection in the not-to-exceed amount of \$141,531 for specialty coating inspection for the Bass Lake Tanks Recoating Project, which staff determined is exempt from the California Environmental Quality Act, Tracking No. T2021.22.

February 13, 2023 – Board received overview regarding condition of District storage reservoirs and tanks.

Summary of Issue



Summary of Issue

Extensive corrosion was found in Bass Lake Tank #2 vapor space.



Structural replacement and rehabilitation is necessary to maintain service reliability.



Background

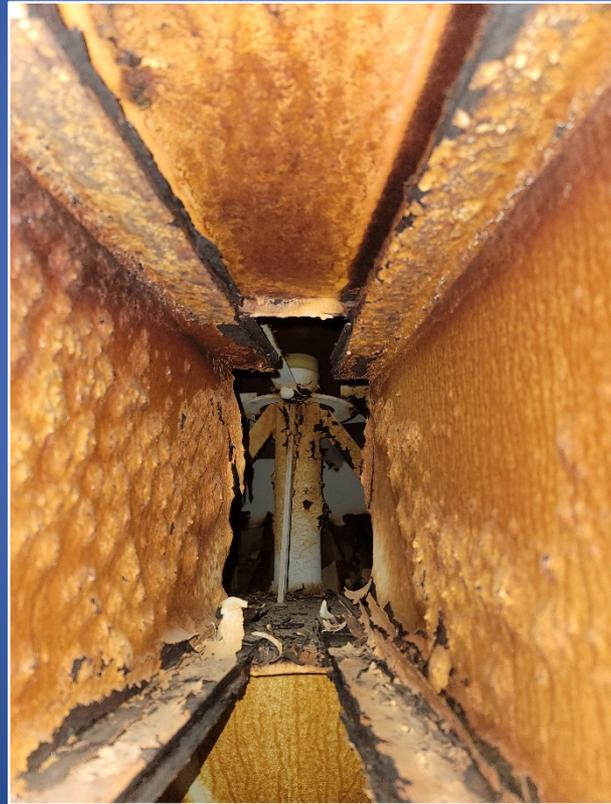


Structural Replacement & Rehabilitation



- Dollar Plate Replacement
- Inner Rafters Replacement
- Outer Rafters Replacement
- Rafter Clip and Knuckle Spacer Replacement
- Earthquake Strap Replacement
- Roof Vent Replacement
- Girder Rehabilitation
- Roof Plate Rehabilitation

Dollar Plate Replacement / Halo Ring Installation

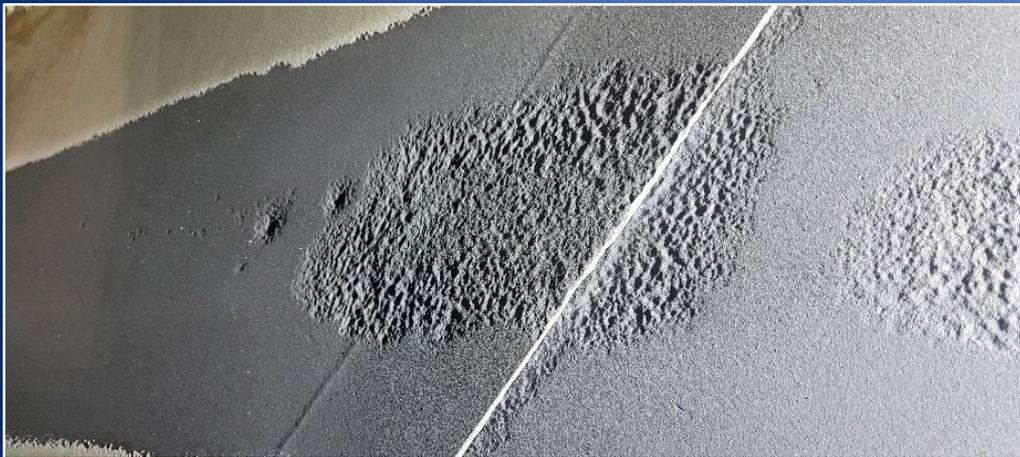


Rafters Replacement

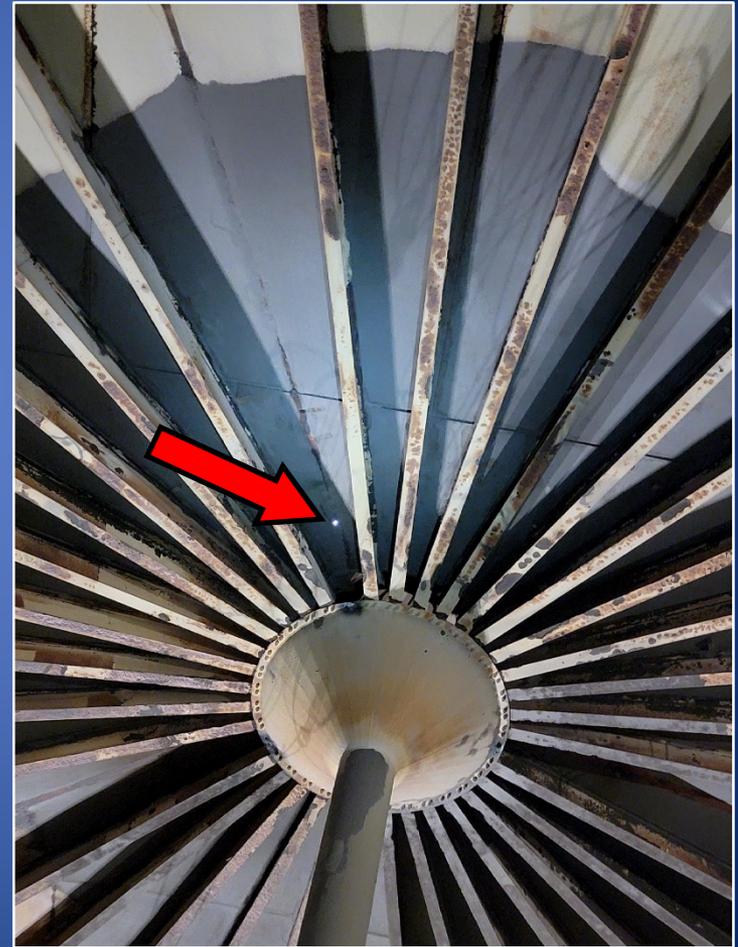


36 Inner
72 Outer

Rafter Wedging



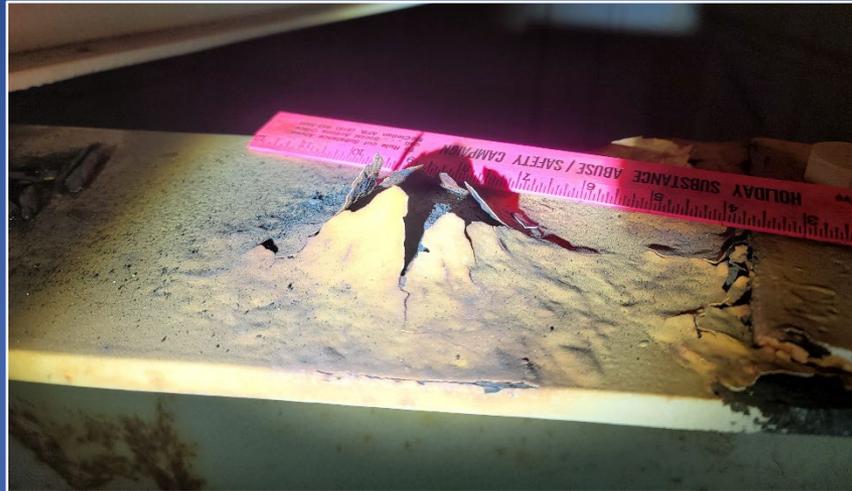
Center Roof Plate Replacement



Roof Rehabilitation



Girder Rehabilitation



Change Order No. 1

Item No.	Item Description	Cost
1	Mobilization	\$ 60,000
2	Door Sheet	\$ 22,750
3	Halo Ring	\$ 21,450
4	Replace inner Rafters	\$ 143,280
5	Replace Outer Rafters	\$ 311,040
6	Replace Rafter Clips	\$ 33,480
7	Replace Knuckle Spacers	\$ 21,240
8	Replace Earthquake Straps	\$ 16,200
9	Replace 84" Roof Vent	\$ 12,200
10	Replace Roof Plate (5 roof plate)	\$ 46,000
11	Wedging Credit	(\$ 10,000)
12	Girder Rehabilitation	\$ 5,896
13	Roof Plate Rehabilitation	\$ 71,280
TOTAL		\$ 754,816

Additional Inspection

- MCS Inspection Group – Specialty Coating Inspection
- Specialty Weld Inspection

Funding Requirements

Cal Sierra Construction, Inc. – Contractor	\$ 754,816
MCS Inspection – Specialty Coating Inspection	\$ 69,677
Specialty Weld Inspection	\$ 25,000
Capitalized Labor (Project Management)	\$ 27,000
Contingency (10%)	\$ 75,480
TOTAL	\$ 951,973

Funding Source

- Project not included in 2023-2027 CIP
 - Not anticipated at time of CIP
- Staff will review the current CIP and shift projects as needed to meet budget requirements.

Future Recoating Projects

- Currently District performs dive inspections of Drinking Water tanks every 5 years
 - Bass Lake Tank #2 last dive inspection was March 2019
- District will consider adding tank float during design process

Board Options

Option 1: Award contract amendments to Cal Sierra Construction, Inc. in the not-to-exceed amount of \$754,816 for rafter replacement and roof rehabilitation, and MCS Inspection Group in the not-to-exceed amount of \$69,677 for specialty coating inspection; and authorize additional funding of \$25,000 for specialty weld inspection, \$27,000 for capitalized labor, and \$75,480 in contingencies for a total funding request of \$951,973 for Bass Lake Tank #2 Rafter Replacement and Roof Rehabilitation Project, Project No. 23020.01.

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

Option 3: Take no action.

Recommendation

Option 1

Questions?



EL DORADO IRRIGATION DISTRICT

SUBJECT: Consider awarding a contract to Auburn Constructors LLC in the not-to-exceed amount of \$374,300 for the construction of the El Dorado Hills Wastewater Treatment Plant Secondary Effluent Pump Station Modifications Project and authorize additional funding of \$19,926 for engineering services during construction, \$24,310 for inspection services, \$4,912 for testing services, \$30,000 for capitalized labor, and \$37,400 in construction contingency for a total funding request of \$490,848 for the El Dorado Hills Wastewater Treatment Plant Secondary Effluent Pump Station Modifications Project, Project No. 21077.01, which staff has determined is exempt from the California Environmental Quality Act.

PREVIOUS BOARD ACTION

November 14, 2022 – Board adopted the 2023–2027 Capital Improvement Plan (CIP), subject to available funding.

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

BP 3060 Contracts and Procurement
BP 6010 Wastewater System Management

SUMMARY OF ISSUE

The El Dorado Hills Wastewater Treatment Plant (EDHWWTP) Secondary Effluent Pump Stations transfer water from the secondary clarifier to the storage reservoir or directly to tertiary treatment for creek discharge or recycled water distribution. During peak flows, air becomes entrained ahead of the pumps causing air binding of some of the pumps making them inoperable. When this occurs, auxiliary pumps must be rented to convey flow to the storage reservoir until flows recede. Modifications are necessary to remove the air entrainment so the pump stations can operate at full capacity.

BACKGROUND/DISCUSSION

The EDHWWTP contains two secondary effluent pump stations. Pump Station No. 1 can transfer flow to both the storage reservoir and to the tertiary filters. Pumping capacity was increased in 2007 by adding a second pump station. Pump Station No. 2 was designed to manage higher flows and only discharges to the storage reservoir and is not affected by entrained air. When Pump Station No. 1 is inoperable due to air binding, the ability to deliver water directly to the tertiary filters is lost, and all flow must be directed to the reservoir. More importantly, when Pump Station No.1 is inoperable, the entire treatment process depends on Pump Station No. 2 to meet secondary effluent pumping requirements.

When flow exceeds Pump Station No. 2 capacity, the excess flow has to be managed with rental pumps. Flow that exceeds the capacity of both Pump Station No. 2 and the rental pumps spills to the site waste ponds. This flow is then pumped back to the beginning of the treatment process, further exacerbating the hydraulic load on Pump Station No. 2. In this situation, partially treated water is pumped in circles resulting in higher power consumption and cost. In addition, rental pumping requires twenty-four hour monitoring to operate the pumps, resulting in adverse staff impacts and increased labor costs. In October 2020 and December 2022, emergency pumps were needed for a rental price of \$60,000 in total to ensure water from the secondary clarifiers was transferred to the storage reservoir.

Evaluation

The District retained Herwit Engineering (Hervit), an on-call engineering firm, to investigate options to resolve the air entrainment issues. Hervit recommended the addition of an air diffuser box along the discharge pipe between the clarifier and Pump Station No. 1. The design includes a concrete vault poured over the 36-inch clarifier discharge pipe and the removal of the pipe within the vault to expose the treated water to atmosphere where air can escape. The design also makes provisions for the future addition of diffuser plates to aid in removing air if necessary.

It should be noted that because this is treated water, air released in the diffuser box will not contribute to odors emanating from the plant.

Construction Contract

The project was advertised for bidding in March 2023. Three general contractors attended the mandatory pre-bid meeting on April 3, 2023, and three bids were received by the District, summarized below, with more detailed information provided in the Attachment A.

Contractor	Total Bid
Auburn Constructors LLC	\$374,300
Sierra National Construction, Inc.	\$507,905
Syblon Reid	\$535,000

The lowest bid was received from Auburn Constructors in the amount of \$374,300. The low bid exceeds the engineer's estimate of \$200,000. After reviewing the bids, the design engineer determined the additional cost was associated with the following:

- Perceived risk associated with working in tight quarters around a main plant pipeline and clarifier both of which could easily be damaged;
- Small size of the project providing no economy of scale; and
- Escalation of construction materials cost especially concrete, rebar and miscellaneous metals.

Given the other two bids are both over 35% higher than the low bid, it appears all three bidders priced in the same variables, therefore, the low bid is considered competitive and is recommended for award.

Environmental Review

The District, acting as the Lead Agency, must comply with California Environmental Quality Act (CEQA) requirements for the Secondary Effluent Pump Station Modification Project. Pursuant to the District's CEQA procedures, District staff is responsible for conducting reviews to determine whether a project is exempt from CEQA. However, a recent appellate court decision determined that where "a local agency at a regular meeting approves a project that is subject to a staff determination of a CEQA exemption, it must give notice of the CEQA exemption on its agenda." *G.I. Industries v. City of Thousand Oaks* (2022) 84 Cal.App.5th 814. Therefore, the agenda item description for this Board item includes language indicating staff's determination of a CEQA exemption.

Staff has reviewed the activities associated with implementing the proposed project and determined that the project qualifies for a Class 1 CEQA Categorical Exemption as the maintenance and repair of existing facilities involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination (CEQA Guidelines §15301) and for a Class 3 CEQA Categorical Exemption for new construction of a small structure associated with a wastewater treatment facility (CEQA Guidelines §15303). None of the applicable exceptions to

this exemption, as identified under CCR, Title 14 section 15300.2, apply to this project, including an area of critical concern, cumulative impact, significant effect due to unusual circumstances, scenic highways, hazardous waste sites, and historical resources. If the Board approves the proposed project, staff will file a Notice of Exemption (NOE) from CEQA with the El Dorado County Recorder-Clerk's office and post the NOE on the District's website.

FUNDING

Funding for this project was identified in the 2023-2027 CIP (Attachment B) with an estimated expenditure of \$110,000 in 2023. The original scope of work and cost estimated in the 2023-2027 CIP was based on a conceptual level of detail. However, as the project developed, the scope of work expanded to include a large concrete vault with a deep excavation requiring shoring and of a height requiring grating and handrails. The cost difference between the planned and requested funding is largely due to the expanded scope of work, construction risks, and inflationary pressures on construction materials and labor as described above. Although the cost is significantly higher than anticipated, this project represents a small percentage of the original cost of Pump Station No. 1 and 2, it achieves the intended use of what has already been paid for by District customers, and corrects a deficiency that results in capacity not being available when it is needed the most.

Total funding required to complete this project is summarized below. The funding source is 63% wastewater rates and 37% wastewater FCCs based on existing flow as compared to plant capacity of 4.0 MGD. CIP funding can be shifted from other wastewater projects that are deferred into later years or are under budget, including the EDHWWTP Waste Activated Sludge Dissolved Air Floatation Thickener Rehabilitation Project currently underway that is projected to come in under budget. The following lists each item for which funding is requested.

Construction - Auburn Constructors LLC	\$374,300
Engineering Services During Construction - Herwit Engineering	\$19,926
Inspection Services – Domenichelli and Associates	\$24,310
Testing Services – Youngdahl Consulting Group	\$4,912
Capitalized Labor for Construction Management	\$30,000
10% Construction Contingency	\$37,400
Total Funding Request	\$490,848

Construction is anticipated to begin in July 2023 and completed by October 2023.

BOARD OPTIONS

Option 1: Award a contract to Auburn Constructors, Inc. in the not-to-exceed amount of \$374,300 for construction of the El Dorado Hills Wastewater Treatment Plant Secondary Effluent Pump Station Modifications Project and authorize additional funding in the amount of \$19,926 for engineering services during construction, \$24,310 for inspections services, \$4,912 for testing services, \$30,000 for capitalized labor and \$37,400 in construction contingency for a total funding request of \$490,848 for the El Dorado Hills Wastewater Treatment Plant Secondary Effluent Pump Station Modifications Project, Project No. 21077.01, which staff has determined is exempt from the California Environmental Quality Act.

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

Option 3: Take no action.

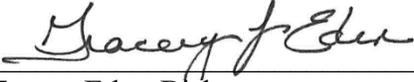
RECOMMENDATION

Option 1

ATTACHMENTS

Attachment A: Summary of bids received

Attachment B: CIP summary



Tracey Eden-Bishop
Senior Civil Engineer



Brian Deason
Environmental Resources Supervisor



Elizabeth Dawson
Engineering Manager

for



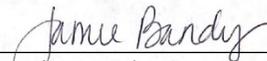
Brian Mueller
Engineering Director



Tracy Crane
Wastewater and Recycled Water Operations Manager



Dan Corcoran
Operations Director



Jamie Bandy
Finance Director



Brian Poulsen
General Counsel



Jim Abercrombie
General Manager

EL DORADO IRRIGATION DISTRICT
EDHWWTP SECONDARY EFFLUENT PUMP STATION
PROJECT NO. 21077.01; CONTRACT NO. E23-05

Bid Opening: April 19, 2023 @ 3:01 p.m.

SUMMARY OF BIDS RECEIVED

ITEM NO.	WORK OR MATERIAL	QUANTITY	UNIT	Auburn Constructors LLC Sacramento, CA Bid env. A received via hand delivery at 2:48 p.m. 4/19/2023 Bid env. B received via hand delivery at 2:48 p.m. 4/19/2023 "Footnote A"		Sierra National Construction, Inc. Carmichael, CA Bid env. A received via hand delivery at 2:46 p.m. 4/19/2023 Bid env. B received via hand delivery at 8:06 a.m. 4/21/2023		Syblon Reid Folsom, CA Bid env. A received via hand delivery at 1:33 p.m. 4/19/2023 Bid env. B received via hand delivery at 2:30 p.m. 4/21/2023	
				UNIT PRICE (FIGURES)	AMOUNT (FIGURES)	UNIT PRICE (FIGURES)	AMOUNT (FIGURES)	UNIT PRICE (FIGURES)	AMOUNT (FIGURES)
1	Bonds and Insurance	1	LS	7,000.00	\$ 7,000.00	16,875.00	\$ 16,875.00	18,000.00	\$ 18,000.00
2	Safety Plan and Programs	1	LS	1,000.00	1,000.00	2,500.00	2,500.00	2,000.00	2,000.00
3	Mobilization (Maximum 2%)	1	LS	5,300.00	5,300.00	8,000.00	8,000.00	10,000.00	10,000.00
4	Potholing of existing utilities and piping	1	LS	5,000.00	5,000.00	15,000.00	15,000.00	5,000.00	5,000.00
5	Relocation and temporary piping for small utility lines affected by the work	1	LS	10,000.00	10,000.00	5,000.00	5,000.00	7,500.00	7,500.00
6	Earthwork, excavation and backfill of structure	1	LS	89,000.00	89,000.00	104,995.00	104,995.00	100,000.00	100,000.00
7	Installation of base rock	1	LS	3,000.00	3,000.00	10,700.00	10,700.00	6,000.00	6,000.00
8	Installation of concrete structure	1	LS	120,000.00	120,000.00	158,225.00	158,225.00	130,000.00	130,000.00
9	Installation of concrete sidewalk and steps	1	LS	4,000.00	4,000.00	12,000.00	12,000.00	10,000.00	10,000.00
10	Temporary protection of existing 36" SE line within structure	1	LS	1,000.00	1,000.00	5,000.00	5,000.00	30,000.00	30,000.00
11	Demolition of 36" SE line within structure	1	LS	4,500.00	4,500.00	15,110.00	15,110.00	12,000.00	12,000.00
12	Installation of all misc. metals, grating, handrail, & diffuser guides	1	LS	65,000.00	65,000.00	118,000.00	118,000.00	80,000.00	80,000.00
13	Additional cost of providing all shoring and bracing on all bid items above including but not limited to that required by Section 6700-6708 of the Labor Code	1	LS	35,000.00	35,000.00	15,000.00	15,000.00	100,000.00	100,000.00
14	Water Pollution Control Plan (WPCCP)	1	LS	4,500.00	4,500.00	2,500.00	2,500.00	6,000.00	6,000.00
15	Demobilization and project closeout documents (minimum of 1%)	1	LS	5,000.00	5,000.00	4,000.00	4,000.00	7,500.00	7,500.00
16	All other items of Wok specified or indicated elsewhere, but not listed above	1	LS	5,000.00	5,000.00	5,000.00	5,000.00	1,000.00	1,000.00
17	Allowance for Owner directed Work not part of the Contract Work	1	LS	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
TOTAL BID PRICE:					\$ 374,300.00 A		\$ 507,905.00		\$ 535,000.00

Footnote:

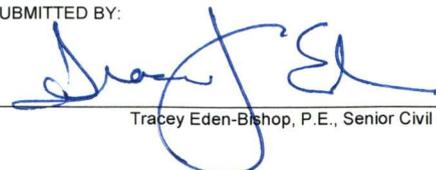
A The apparent low bidder is determined by the total sum of bid items 1-17.

THIS TABULATION REPRESENTS A TRUE AND COMPLETE SUMMARY OF BIDS RECEIVED BY EL DORADO IRRIGATION DISTRICT

PROJECT NO. 21077.01; CONTRACT NO. E23-05

PREPARED BY: Lori Bazinet
District Contract Management

SUBMITTED BY:



Tracey Eden-Bishop, P.E., Senior Civil Engineer

2018

CAPITAL IMPROVEMENT PLAN Program:

Wastewater

Project Number: 21077
Project Name: EDHWWTP Secondary Effluent Pump Station Modifications
Project Category: Reliability & Service Level Improvements
Priority: 2 **PM:** Money **Board Approval:** 11/14/22

Project Description:

The secondary effluent pump station at the EDHWWTP pumps treated flows from the secondary clarifier to the 66 MG storage reservoir or directly to the UV disinfection facility. During peak flow events air is entrained at the secondary clarifier and eventually air binds the pumps at the secondary effluent pump station causing the pumps to become ineffective. Once the pumps are air bound, auxiliary pumps must be rented to convey flow to the storage reservoir until flows recede.

This project would construct a small concrete vault upstream of the pump station allowing the entrained air to escape and preventing the air binding at the pump station moving forward.

Basis for Priority:

This programmatic project will enhance reliability at the wastewater treatment plant.

Project Financial Summary:

Funded to Date:	\$ 24,000	Expenditures through end of year:	\$ 15,650
Spent to Date:	\$ 15,650	2023 - 2027 Planned Expenditures:	\$ 110,000
Cash flow through end of year:	\$ -	Total Project Estimate:	\$ 125,650
Project Balance	\$ 8,350	Additional Funding Required	\$ 101,650

Description of Work	Estimated Annual Expenditures					Total
	2023	2024	2025	2026	2027	
Design	\$ 5,000					\$ 5,000
Environmental	\$ 5,000					\$ 5,000
Construction	\$ 100,000					\$ 100,000
						\$ -
TOTAL	\$ 110,000	\$ -	\$ -	\$ -	\$ -	\$ 110,000

Funding Sources	Percentage	2018	Amount
Wastewater FCCs	100%		\$101,650
Total	100%		\$101,650

Funding Comments:



El Dorado Irrigation District

**El Dorado Hills Wastewater Treatment Plant
Secondary Effluent Pump Station
Modifications**

**Construction Contract and
Project Funding**

Project No. 21077.01

May 22, 2023

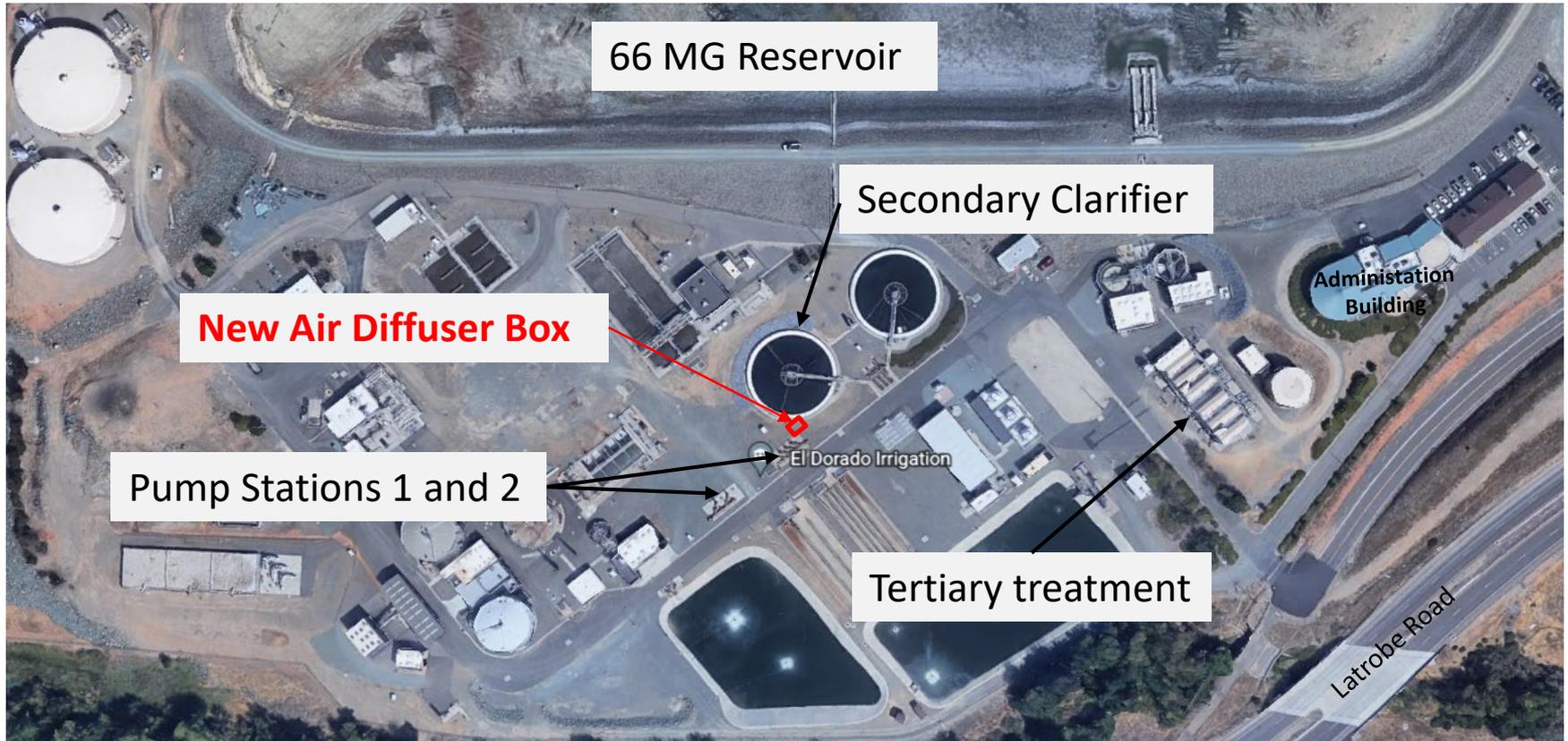
Previous Board Actions

- November 14, 2022 – Board approved the 2023-2027 CIP, subject to available funding

Summary of Issues

- The Secondary Effluent Pump Stations transfer water from the secondary clarifier to storage reservoir or directly to tertiary treatment for creek discharge or recycled water distribution
- During peak flow, air entrained ahead of the pump stations causes air binding in some pumps
- In these events, emergency pumps must be rented to transfer flow to the storage reservoir
- Modifications are necessary to remove the air so the pump stations can operate at full capacity

Background



EDH Wastewater Treatment Plant

Background



New Air Diffuser Box Location

Background

Secondary Effluent Pumping

- Pump Station 1 (PS1)
 - Pumps from clarifier to storage reservoir, or
 - Clarifier to tertiary treatment for creek discharge or recycled water distribution

- Pump Station 2 (PS2)
 - Constructed in 2007 to increase capacity beyond PS1
 - Clarifier storage reservoir only

Background

Secondary Effluent Pumping

– Peak flow events

- Air entrained at secondary clarifier discharge air binds PS1 pumps (not PS2)
- Process dependent on PS2 capacity with no flexibility
- Rental pumps needed when PS2 capacity exceeded
- Flow beyond rental pumps/PS2 capacity pumped back to beginning of treatment process

– Increased cost

- Pump rental – \$60,000 total in 2020 and 2022
- Pumping to head of plant if rental pump capacity exceeded
- 24-hour operations for manual operation

Background

Evaluation

- On-call engineering firm retained to evaluate problem
 - Air diffuser box recommended
 - Future diffuser plates if necessary
- Scope of Construction
 - Concrete vault over 36-inch clarifier discharge pipe
 - Removal of pipe within vault
 - Water exposed to atmosphere
- Treated water will not contribute to odor issues

Construction Contract

Bidding

- Advertised in March 2023
- Bids received in April 2023
- Bids higher than engineer's estimate of \$200,000
 - Proximity to critical plant infrastructure
 - Small project with no economy of scale
 - Escalation of construction material cost and labor

Contractor	Total Bid
Auburn Constructors LLC	\$374,300
Sierra National Construction, Inc.	\$507,905
Syblon Reid	\$535,000

Environmental Review

- Project is exempt from California Environmental Quality Act (CEQA)
 - Maintenance and repair of existing facilities
 - New construction of small structures
- If project is approved, staff will file a Notice of Exemption from CEQA

Funding

- Identified in 2023-2027 CIP with \$110,000 expenditure in 2023
- Cost increase
 - Expanded scope of work
 - Inflationary pressure on construction materials and labor
 - Represents small % of original cost
 - Achieves intended use of what has already been paid for
 - Corrects deficiency that results in capacity not available when needed most
- CIP funding can be shifted from other wastewater projects deferred into later years or that are under budget

Funding

	Cost
Construction Award - Auburn Constructors LLC	\$374,300
Engineering Services During Construction	\$19,926
Inspection Services	\$24,310
Testing Services	\$4,912
Capitalized Labor for Construction Management	\$30,000
10% Construction Contingency	\$37,400
Total Funding Request	\$490,848

Schedule

- June 2023 – Contract execution
- July 2023 - Construction begins
- October 2023 - Construction complete

Board Options

- **Option 1:** Award a contract to Auburn Constructors, LLC in the not-to-exceed amount of \$374,300 for construction of the El Dorado Hills Wastewater Treatment Plant Secondary Effluent Pump Station Modifications Project; and authorize additional funding in the amount of \$19,926 for engineering services during construction, \$24,310 for inspection services, \$4,912 for testing services, \$30,000 for capitalized labor and \$37,400 in construction contingency for a total funding request of \$490,848 for the El Dorado Hills Wastewater Treatment Plant Secondary Effluent Pump Station Modifications, Project No. 21077.01, which staff has determined is exempt from the California Environmental Quality Act.
- **Option 2:** Take other action as directed by the Board
- **Option 3:** Take no action

Recommendation

- Option 1

Questions/Comments

EL DORADO IRRIGATION DISTRICT

SUBJECT: Consider awarding contracts to Univar Solutions USA, Inc. and Olin Chlor Alkali Products in the not-to-exceed amounts of \$699,207 and \$907,619, respectively, to supply as-needed liquid sodium hydroxide and liquid sodium hypochlorite for water and wastewater treatment for a period of one year.

PREVIOUS BOARD ACTION

June 13, 2022 – Board awarded two contracts to Univar Solutions USA, Inc. in the not-to-exceed amounts of \$688,723 to supply as-needed liquid sodium hydroxide for water and wastewater treatment and \$391,093 to supply liquid sodium hypochlorite for wastewater treatment for a period of one year.

May 24, 2021 – Board awarded contracts to Univar USA Inc. and Olin Chlor Alkali Products in the not-to-exceed amounts of \$364,270 and \$235,950, respectively, to supply as-needed liquid sodium hydroxide and liquid sodium hypochlorite for water and wastewater treatment.

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

BP 3060 Contracts and Procurement

SUMMARY OF ISSUE

Annual chemical purchases are necessary to ensure the El Dorado Irrigation District (District) can effectively treat water and wastewater. The purpose of this item is to award contracts to Univar USA Inc. and Olin Chlor Alkali Products to supply as-needed liquid sodium hypochlorite and liquid sodium hydroxide for water and wastewater treatment for a period of one year utilizing the Bay Area Clean Water Agencies (BACWA) 2023 bid results.

BACKGROUND/DISCUSSION

Each year, water and wastewater agencies across the greater northern California area collaborate by combining their requirements for chemicals into a single solicitation under BACWA which is a Joint Powers Authority cooperative that advertises and opens sealed competitive bids and then prepares bid recommendations. BACWA comprises 59 water and wastewater agencies, including the District, in 12 counties. BACWA recently completed the 2023 bidding process, and as in years past, staff proposes to utilize their recommendation for award to support certain chemical needs during the upcoming year.

Sodium Hydroxide

Liquid sodium hydroxide is used in both water and wastewater treatment processes. It is used at the Deer Creek and El Dorado Hills Wastewater Treatment Plants (WWTPs) to provide pH and alkalinity control for regulatory compliance and process control. Depending on operating conditions at the WWTPs, the systems require sodium hydroxide addition in liquid form of either a 30% or 50% concentrate solution. Approximately 167 dry tons of 30% solution and 390 dry tons of 50% solution are required in one year for wastewater treatment. Additionally, approximately 44.7 tons of 25% solution and 144.5 tons of 50% solution are used in the water treatment process at the El Dorado Hills, Reservoir 1, and Reservoir A Water Treatment Plants (WTPs) each year to make alkalinity adjustments in source water and for pH control in the distribution system to inhibit corrosion. The bidding results and estimated needs of each division

during the upcoming year are summarized below. Since the usage volume of each solution ultimately needed varies based on a variety of factors, staff recommends that the contract allows for a 10% contingency of sodium hydroxide required over the next year as reflected in the table below.

Bid Summary for Sodium Hydroxide in Dry Tons

Supplier	\$/Dry Ton 25%	\$/Dry Ton 30%	\$/Dry Ton 50%
Univar Solutions USA Inc.	\$982.49	\$1,002.38	\$793.88
Brenntag Pacific, Inc.	\$1,002.50	\$1,028.00	\$895.00

Total Cost by Division 25% Solution

Division	Dry Tons Est.	Price/Dry Ton	Cost
Water	44.7	\$982.49	\$43,917

Total Cost by Division 30% Solution

Division	Dry Tons	Price/Dry Ton	Cost
Wastewater	167	\$1,002.38	\$167,397

Total Cost by Division 50% Solution

Division	Dry Tons Est.	Price/Dry Ton	Cost
Wastewater	390	\$793.88	\$309,613
Water	144.5	\$793.88	\$114,716
Total Cost			\$424,329

Summary

Division	Total Cost
Water	\$ 158,633
Wastewater	\$ 477,010
Contingency 10%	\$ 63,564
Total	\$ 699,207

Price analysis

Year over year, the price per dry ton for 25% solution has increased by 1.5%, the price for 30% solution has increased by 4.7%, and the cost of 50% solution has decreased by 1.5%. Based on anticipated operations over the coming year, the estimated usage of 25% solution decreased by 20%, the estimated usage of 30% solution remained the same, and the estimated use of 50% solution decreased by 4.5%. With the anticipated quantities of each project for the upcoming year, the total estimated not to exceed cost of sodium hydroxide increased by 1.5% year over year. Award to Univar Solutions USA Inc. is recommended based on the results of the 2023 bid conducted by the BACWA. The prices achieved through this bidding process are more advantageous than the District would expect to receive if it conducted its own solicitation due to the quantities purchased by BACWA members.

Sodium Hypochlorite

Sodium hypochlorite is utilized as a disinfectant for drinking water treatment. It is also used in the recycled water distribution system at the Deer Creek and El Dorado Hills WWTPs. The quantity of usage depends on factors such as the amount of effluent being treated, dosage rates, and weather. Wastewater staff estimates a combined need of 40,000 gallons of sodium hypochlorite during the upcoming year for recycled water production at both WWTPs.

In addition to its use as a disinfectant, sodium hypochlorite also provides necessary oxidation qualities required in the drinking water treatment process at the El Dorado Hills, Reservoir 1 and Reservoir A WTPs. The total estimated amount required for water treatment during the upcoming year is 245,819 gallons.

Thus, the total estimated amount of liquid sodium hypochlorite required for water and wastewater treatment for one year is 285,819 gallons. However, since the usage volume varies based on a variety of factors such as ultimate demand and water quality, staff recommends that the contract not-to-exceed amount allows for a 10% contingency (or 28,582 gallons) in the quantity of liquid sodium hypochlorite required over the next year. Therefore, the contract would allow for up to 314,401 gallons at the not-to-exceed cost of \$907,619. The bidding results and needs of each division are summarized below. All District uses for sodium hypochlorite are limited to the 12.5% solution concentrate.

BACWA Bid No. 13-2023 Bids Received for Sodium Hypochlorite 12.5% Solution

Supplier	Price Per Gallon
JCI Jones Chemicals Inc.	NO BID
Olin Chlor Alkali Products	\$2.89
Univar Solutions USA Inc.	\$3.31
Hasa, Inc.	\$2.94

Total Cost by Division

12.5% Solution Hypochlorite Gallons Required			
Division	Gallons	Price/Gal	Cost
Wastewater	40,000	\$2.89	\$115,600
Water	245,819	\$2.89	\$710,417
Contingency 10%	28,582	\$2.89	\$81,602
Total	314,401		\$907,619

Price analysis

While the estimated usage over the next year increased by 22.1%, the most significant change is the annual increase in pricing, which was 90.5% greater than the prior year. Combined, these factors increase the total estimated cost by 132% year over year. While a portion of this increase can be attributed to increased recycled water production, supply chain constraints, and to a lesser extent inflation, and the primary drivers for the significant increase.

Staff recently participated in a chlorine cost increase workgroup discussion with several other agencies throughout our region. The workgroup was organized by the California Association of Sanitation Agencies (CASA) in an effort to provide resources for dealing with the increase in chlorine product prices. During the workgroup CASA shared a recent study published by the U.S. Environmental Protection Agency (EPA). According to the study, chlorine production capacity in the U.S. experienced an approximate 10% decline (1.2 million tons) in 2021, due primarily to the closure of four manufacturing facilities. Additionally, production at manufacturing facilities has been limited at times due to planned activities (e.g., scheduled maintenance activities) and unexpected events (e.g., fires, power outages, equipment malfunctions, inability to fully staff facilities in response to Covid-19 outbreaks). In some cases, manufacturers have decided to not operate facilities at maximum capacity and/or closed facilities, which has further limited production. These market conditions have extended lead times for suppliers to purchase chlorine products by as much as 50% (e.g., 14 days to 21 days) and at times these orders are only partially filled. This has resulted in suppliers needing to reduce product allocation for customers in an attempt to keep all critical customers (primarily water and wastewater systems) in operation. According to the EPA study, additional factors that have

contributed to the price increases include increases in the cost of production (largely caused by significant increases in energy costs) and transportation as well as other inflationary pressures. EPA further states that the increased cost of transportation, largely due to a shortage of truck drivers, increased gas prices, and congested railways, has impacted the chemical sector.

The net effect of these factors is an increased cost to the District. Other agencies in our region have experienced this same increase and CASA is considering legislative action to ensure supply and stabilize prices later this year. There may be an opportunity for the District to participate in this process. Staff will monitor closely and report back with any actions.

Given the results of the current year bidding process, award to Olin Chlor Alkali Products is recommended based on the results of the 2023 bid conducted by the BACWA. The prices achieved through this bidding process are more advantageous than the District would expect to receive if it conducted its own solicitation due to the quantities purchased by BACWA members.

FUNDING

Funding will come from the 2023-2024 Drinking Water and Wastewater Annual Operating Budgets. Although the sodium hypochlorite experienced a very significant inter-annual increase in costs, the wet spring has reduced both recycled water and drinking water demand during 2023. Therefore, staff anticipates being able to address the increase within the adopted 2023 budget. However, the proposed 2024 budget will need to reflect the anticipated increased costs that are likely to be incurred next year.

BOARD OPTIONS

Option 1: Award contracts to Univar Solutions USA, Inc. and Olin Chlor Alkali Products in the not-to-exceed amounts of \$699,207 and \$907,619, respectively, to supply as-needed liquid sodium hydroxide and liquid sodium hypochlorite for water and wastewater treatment for a period of one year.

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

Option 3: Take no action.

RECOMMENDATION

Option 1

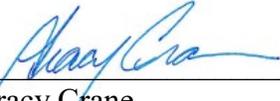
ATTACHMENTS

Attachment A: BACWA Award Letter Sodium Hydroxide – Univar Solutions USA Inc.

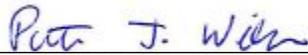
Attachment B: BACWA Award Letter Sodium Hypochlorite – Olin Chlor Alkali Products



Ryan Deakyne
Senior Buyer



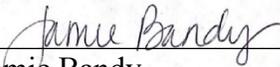
Tracy Crane
Wastewater Operations Manager



Patrick Wilson
Water Operations Manager



Dan Corcoran
Operations Director



Jamie Bandy
Finance Director



Brian Poulsen
General Counsel



Jim Abercrombie
General Manager



March 16, 2023

Univar Solutions USA Inc.
Attn: Jennifer Perras
8201 S 212th St.
Kent, WA 98032

RE: Award Contract in Response to Bay Area Chemical Consortium (BACC) Bid No. 12-2023 for Supply and Delivery of SODIUM HYDROXIDE to East Bay, Marin Sonoma Napa, Sacramento, South Bay, North Bay and Tri Valley regions.

Dear Ms. Perras,

We are pleased to advise you that the bid submitted by Univar Solutions USA Inc. for Bid No. 12-2023 was determined to be the lowest responsive bid for the supply and delivery of SODIUM HYDROXIDE during the period July 1, 2023 through June 30, 2024 for regions: East Bay, Marin Sonoma Napa, Sacramento, South Bay, North Bay and Tri Valley.

The participating BACC Agencies should be contacting you shortly to discuss entering into contracts with Univar Solutions USA Inc. for their respective facilities.

Bay Area Chemical Consortium sincerely appreciates your efforts and participation in the competitive bid process.

If you have any questions, please free to contact me at jdymment@bacwa.org

Sincerely,

A handwritten signature in black ink, appearing to read "JDymment", with a long horizontal line extending to the right.

Jennifer Dymment
Assistant Executive Director
BACWA.org
as Coordinating Agency for the Bay Area Chemical Consortium

REGIONAL BID AWARD

Section	SODIUM HYDROXIDE 20% (Caustic)		SODIUM HYDROXIDE 25% (Caustic)				SODIUM HYDROXIDE 30% (Caustic)			SODIUM HYDROXIDE 50% (Caustic)					
	Sacramento	Central Valley	Marin Sonoma	Sacramento	South Bay	Tri Valley	North Bay	Sacramento	South Bay	Central Valley	East Bay	Marin Sonoma	North Bay	Sacramento	Tri Valley
Unit of Measure	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton	dry ton
Univar Solutions USA Inc.	994.9800	1,225.5470	932.2500	982.4900	944.7500	901.7200	918.4000	1,002.3800	2,713.7700	843.6400	759.1400	796.8800	716.1000	793.8800	743.3900
Brenntag Pacific, Inc.	1,130.0000	987.5000	987.5000	1,002.5000	1,225.0000	976.0000	979.0000	1,028.0000	2,215.0000	875.0000	875.0000	875.0000	875.0000	895.0000	875.0000

APPARENT LOWEST OVERALL BID PRICE FOR EACH REGION (LOWEST AGGREGATE COST PER REGION)

CENTRAL VALLEY EST ANNUAL dry ton	20% CAUSTIC		25% CAUSTIC		30% CAUSTIC		50% CAUSTIC		TOTAL OVERALL COST FOR REGION
	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	
			435		0		166		
Univar Solutions USA Inc.			\$1,225.54700	\$533,112.95			842.64	139878.24	\$672,991.19
Brenntag Pacific, Inc.			\$987.50000	\$429,562.50			875.00	145250.00	\$574,812.50

EAST BAY EST ANNUAL QTY Dry Ton	20% CAUSTIC		25% CAUSTIC		30% CAUSTIC		50% CAUSTIC		TOTAL OVERALL COST FOR REGION
	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	
	0		0		0		891		
Univar Solutions USA Inc.							759.14	676393.74	\$676,393.74
Brenntag Pacific, Inc.							875.00	779625.00	\$779,625.00

MARIN SONOMA NAPA EST ANNUAL QTY Dry Ton	20% CAUSTIC		25% CAUSTIC		30% CAUSTIC		50% CAUSTIC		TOTAL OVERALL COST FOR REGION
	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	
	0		80		0		702		
Univar Solutions USA Inc.			932.25	74580.00			796.88	559409.76	\$633,989.76
Brenntag Pacific, Inc.			987.50	79000.00			875.00	614250.00	\$693,250.00

NORTH BAY EST ANNUAL QTY Dry Ton	20% CAUSTIC		25% CAUSTIC		30% CAUSTIC		50% CAUSTIC		TOTAL OVERALL COST FOR REGION
	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	
	0		0		2,432		970		
Univar Solutions USA Inc.					918.40	2233548.80	716.10	694617.00	\$2,928,165.80
Brenntag Pacific, Inc.					979.00	2380928.00	875.00	848750.00	\$3,229,678.00

SACRAMENTO EST ANNUAL QTY Dry Ton	20% CAUSTIC		25% CAUSTIC		30% CAUSTIC		50% CAUSTIC		TOTAL OVERALL COST FOR REGION
	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	
	8		541		167		1,406		
Univar Solutions USA Inc.	994.98	7959.84	982.49	531527.09	1002.38	167397.46	793.88	1116195.28	\$1,825,079.67
Brenntag Pacific, Inc.	1130.00	9040.00	1002.50	542352.50	1028.00	171676.00	895.00	1258370.00	\$1,981,438.50

SOUTH BAY EST ANNUAL QTY Dry Ton	20% CAUSTIC		25% CAUSTIC		30% CAUSTIC		50% CAUSTIC		TOTAL AGGREGATE COST FOR REGION
	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	
	6		3		0		0		
Univar Solutions USA Inc.			944.75	5668.50	2713.77	8143.31			\$13,809.81
Brenntag Pacific, Inc.			1225.00	7350.00	2215.00	6645.00			\$13,995.00

TRI VALLEY EST ANNUAL QTY Dry Ton	20% CAUSTIC		25% CAUSTIC		30% CAUSTIC		50% CAUSTIC		TOTAL OVERALL COST FOR REGION
	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	BID PRICE PER Dry Ton	TOTAL EST COST	
	8		285		700				
Univar Solutions USA Inc.			\$901.72000	\$256,990.20			5743.39000	5520,373.00	\$777,363.20
Brenntag Pacific, Inc.			\$976.00000	\$278,160.00			\$875.00000	\$612,500.00	\$890,660.00

TOTAL EST QTY Dry Ton	8	1,347	2,602	4,835
CHECK: BID DOC TOTALS	8	1,347	2,602	4,835



March 16, 2023

Pioneer Americas LLC is a wholly owned subsidiary of Olin Corporation
Attn: Patrick M. Schumacker
490 Stuart Road, NE
Cleveland, TN 37312

RE: Regional Award Contract in Response to Bay Area Chemical Consortium (BACC) Bid No. 13-2023 for Supply and Delivery of SODIUM HYPOCHLORITE 12.5% and 5.25% in the Sacramento region.

Dear Mr. Schumacker,

We are pleased to advise you that the bid submitted by Pioneer Americas LLC is a wholly owned subsidiary of Olin Corporation for Bid No. 13-2023 was determined to be the lowest responsive bid for the supply and delivery of SODIUM HYPOCHLORITE 12.5% in the Sacramento Region and SODIUM HYPOCHLORITE 5.25% (optional bid item) in the Sacramento region during the period July 1, 2023 through June 30, 2024.

The participating BACC Agencies from the above regions should be contacting you shortly to discuss entering into contracts with Pioneer Americas LLC is a wholly owned subsidiary of Olin Corporation for their respective facilities.

Bay Area Chemical Consortium sincerely appreciates your efforts and participation in the competitive bid process.

If you have any questions, please free to contact me at jdymment@bacwa.org

Sincerely,


Jennifer Dymment
Assistant Executive Director
BACWA.org
as Coordinating Agency for the Bay Area Chemical Consortium

Bay Area Clean Water Agencies
 Bid Results for Project 13-2023 SODIUM HYPOCHLORITE 12.5%
 Bid Due on February 23, 2023 4:00 PM (PDT)

REGIONAL BID AWARD

Section	SODIUM HYPOCHLORITE 12.5%										SODIUM HYPOCHLORITE 12.5% In 275-gal totes (Optional bid item)	Sodium Hypochlorite 12.5% In Drums (OPTIONAL BID ITEM)	SODIUM HYPOCHLORITE 5.25% (Optional bid item)
	Central Valley	East Bay	Marin Sonoma		North Bay	Peninsula	Sacramento	South Bay	Tri Valley	North Bay	North Bay	Sacramento	
Description	gal	gal	gal	gal	gal	gal	gal	gal	gal	gal	gal	gal	
Olin Corporation		\$3.09	\$2.89	\$2.99	\$2.99	\$3.05	\$2.89	\$3.09	\$2.99	no bid	no bid	\$3.50	
Hasa, Inc.		\$2.97	\$2.85	\$2.88	\$2.81	\$2.91	\$2.94	\$2.88	\$2.69	\$4.00	\$4.00	\$3.50	

Section	SODIUM HYPOCHLORITE 12.5%										SODIUM HYPOCHLORITE 12.5% In 275-gal totes (Optional bid item)	Sodium Hypochlorite 12.5% In Drums (OPTIONAL BID ITEM)	SODIUM HYPOCHLORITE 5.25% (Optional bid item)
	Central Valley	East Bay	Marin Sonoma		North Bay	Peninsula	Sacramento	South Bay	Tri Valley	North Bay	North Bay	Sacramento	
Description	gal	gal	gal	gal	gal	gal	gal	gal	gal	gal	gal	gal	
Estimated annual quantity (in gals)	1,401,000	1,963,000	1,084,200	2,173,200	940,000	1,304,400	1,370,000	975,500	2,200	3,960	95,000		
Olin Corporation	\$4,329,090.00	\$5,673,070.00	\$3,241,758.00	\$6,497,868.00	\$2,867,000.00	\$3,769,716.00	\$4,233,300.00	\$2,916,745.00	no bid	no bid	\$142,500.00		
Hasa, Inc.	\$4,156,626.90	\$5,598,868.60	\$3,126,832.80	\$6,096,260.64	\$2,736,904.00	\$3,830,501.04	\$3,951,354.00	\$2,626,436.20	\$8,800.00	\$15,840.00	\$332,500.00		



Water and Wastewater Annual Chemical Supply Contracts

May 22, 2023

Previous Board Action

- May 24, 2021 – Board awarded contracts to Univar USA Inc. and Olin Chlor Alkali Products in the not-to-exceed amounts of \$364,270 and \$235,950, respectively, to supply as-needed liquid sodium hydroxide and liquid sodium hypochlorite for water and wastewater treatment.
- June 13, 2022 – Board awarded two contracts to Univar Solutions USA, Inc. in the not-to-exceed amount of \$688,723 to supply as-needed liquid sodium hydroxide for water and wastewater treatment and the not-to-exceed amount of \$391,093 to supply liquid sodium hypochlorite for wastewater treatment for a period of one year.

Summary of Issue

- Liquid sodium hypochlorite and liquid sodium hydroxide needed for water and wastewater treatment
- District participates in Bay Area Clean Water Agencies (BACWA) joint powers authority for bidding of annual chemical needs
- 2023 bid results
 - Univar USA Inc. lower bidder for liquid sodium hydroxide
 - Olin Chlor Alkali Products low bidder for liquid sodium hypochlorite

Background

- Water and wastewater agencies across northern California area collaborate annually through BACWA to bid certain chemical needs
- BACWA recently completed 2023 bidding process
- Staff proposing to utilize BACWA recommendation for award to support certain District chemical needs during upcoming year

Discussion

- Liquid sodium hydroxide used in both water and wastewater treatment processes
- Used at Deer Creek and El Dorado Hills Wastewater Treatment Plants (WWTPs) to provide pH and alkalinity control for regulatory compliance and process control
- Used at El Dorado Hills, Reservoir 1, and Reservoir A Water Treatment Plants (WTPs) to make alkalinity adjustments in source water and for pH control in distribution system to inhibit corrosion

Discussion

- Sodium hypochlorite utilized as a disinfectant for drinking water treatment as well as recycled water treatment
- Used for recycled water production at Deer Creek and El Dorado Hills WWTPs
- Used for oxidation in drinking water treatment process at the El Dorado Hills, Reservoir 1 and Reservoir A WTPs

Price Analysis Sodium Hydroxide

- Price per dry ton year over year changes
 - 25% solution increased by 1.5%
 - 30% solution increased by 4.7%
 - 50% solution decreased by 1.5%
- Estimated year over year usage changes
 - 25% solution decreasing by 20%
 - 30% solution remaining same
 - 50% solution decreasing by 4.5%
- Net impact 1.5% increase year over year or \$10,484.
 - 2022 estimates costs - \$688,723
 - 2023 estimated costs - \$699,207

Price Analysis Sodium Hypochlorite

- Price per dry ton year over year changes
 - 12.5% solution increased by 90.5%
- Estimated year over year usage changes
 - 12.5% solution increased by 22.1%
- Net impact 132% increase year over year or \$516,562.
 - 2022 estimated costs – \$391,093
 - 2023 estimated costs – \$907,619

Nationwide Bleach Pricing Impacts

- California Association of Sanitation Agencies (CASA) recently sponsored workgroup discussion on chlorine cost increase
- Issue also drawing national attention
- Environmental Protection Agency recently published study examining cause(s) of increase for bleach and bleach products
 - While demand has increased production capacity declined 10% in 2021
 - Four manufacturing facilities closed

Nationwide Bleach Pricing Impacts Continued

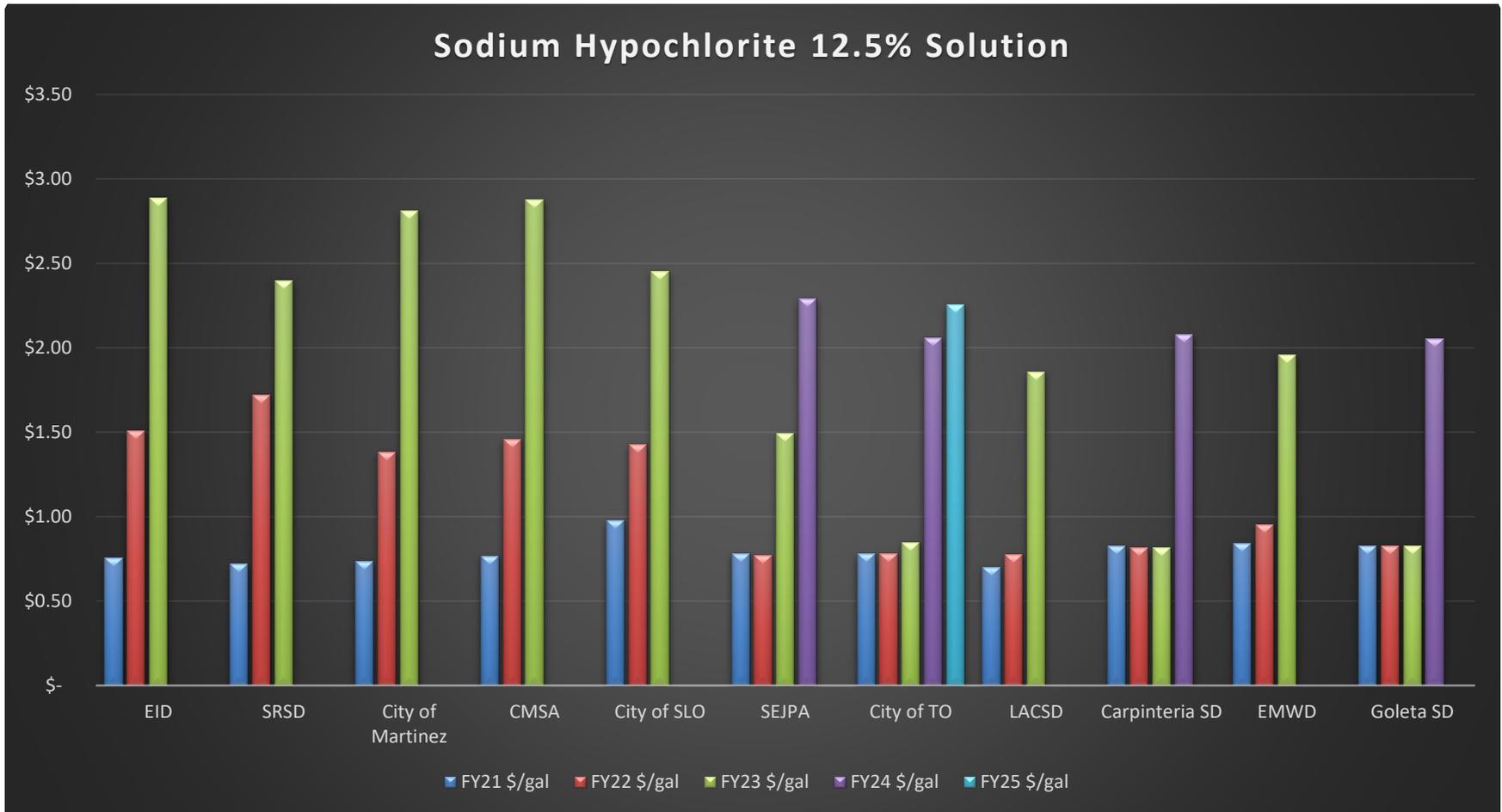
- Production also hampered by scheduled maintenance activities, fires, power outages, equipment malfunctions, and inability to fully staff facilities in response to Covid-19 outbreaks
- Additional factors contributing to price increases
 - Energy costs
 - Transportation
- CASA considering legislative action to ensure supply and stabilize prices later this year
- Staff plans to maintain active participation with CASA to seek changes given significant economic impacts to District

2023 BACWA Bid Summary by Region

Sodium Hypochlorite 12.5%

Region	Central Valley	East Bay	Marin Sonoma Napa	North Bay	Peninsula	Sacramento	South Bay	Tri Valley
Unit of Measure	gal	gal	gal	gal	gal	gal	gal	gal
JCI Jones Chemicals Inc.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Olin Corporation	\$3.09	\$2.89	\$2.99	\$2.99	\$3.05	\$2.89	\$3.09	\$2.99
Univar Solutions USA Inc.	\$3.50	\$3.23	\$3.25	\$3.21	\$3.28	\$3.31	\$3.25	\$3.27
Hasa, Inc.	\$2.97	\$2.85	\$2.88	\$2.81	\$2.91	\$2.94	\$2.88	\$2.69

Greater California Summary for Sodium Hypochlorite



*Data provided by California Association of Sanitation Agencies.

Board Options

- Option 1: Award contracts to Univar Solutions USA Inc. and Olin Chlor Alkali Products in the not-to-exceed amounts of \$699,207 and \$907,619, respectively, to supply as-needed liquid sodium hydroxide and liquid sodium hypochlorite for water and wastewater treatment for a period of one year.
- Option 2: Take other action as directed by the Board
- Option 3: Take no action

Recommendation

- Option 1

Questions/Comments