



AGENDA
REGULAR MEETING OF THE BOARD OF DIRECTORS
EL DORADO IRRIGATION DISTRICT
District Board Room, 2890 Mosquito Road, Placerville, California
December 14, 2015 ~ 9:00 A.M.

Board of Directors

BILL GEORGE
BOARD PRESIDENT
Division III

GEORGE W. OSBORNE
BOARD VICE PRESIDENT
Division I

Greg Prada
Board Director
Division II

Dale Coco, MD
Board Director
Division IV

Alan Day
Board Director
Division V

**General Manager and
Executive Staff**

JIM ABERCROMBIE
GENERAL MANAGER

THOMAS D. CUMPSTON
GENERAL COUNSEL

Jennifer Sullivan, Clerk to the Board

Jesse Saich, Communications

Brian Mueller, Engineering

Mark Price, Finance

Jose Perez, Human Resources

**Tim Ranstrom, Information
Technology**

Tom McKinney, Operations

In accordance with the Americans with Disabilities Act and California law, it is the policy of the 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 e-mail 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.

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.

CALL TO ORDER

Roll Call
Pledge of Allegiance
Moment of Silence

ADOPT AGENDA

NOMINATION AND ELECTION

The Board will hear nominations for Board President and Vice President.
Representative appointments to be made at the regular Board meeting in January 2016.

COMMUNICATIONS

General Manager's Employee Recognition

APPROVE CONSENT CALENDAR

Action on items pulled from the Consent Calendar

PUBLIC COMMENT

COMMUNICATIONS

Board of Directors

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

Clerk to the Board

General Manager

CONSENT CALENDAR

1. Finance (Pasquarello)

Ratification of EID General Warrant Registers for the periods ending November 3, November 10, November 17, November 24, 2015 and December 1, 2015, and Board and Employee Expense Reimbursements for these periods.

Option 1: Ratify the EID General Warrant Registers as submitted to comply with Section 24600 of the Water Code of the State of California. Receive and file Board and Employee Expense Reimbursements.

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

Option 3: Take no action.

Recommended Action: Option 1.

2. Clerk to the Board (Sullivan)

Approval of the minutes of the November 9, 2015, 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.

3. Office of the General Counsel (Cumpston)

Ratification of Resolution No. 2015-010, to maintain emergency declaration, and ratification of change from Stage 4 Drought Emergency to Stage 2 Water Warning for Outingdale.

Option 1: Ratify Resolution No. 2015-010 (*thus maintaining the general drought emergency declaration for purposes of bidding, contracting, and CEQA compliance*), and ratify the change from Stage 4 Drought Emergency to Stage 2 Water Warning for Outingdale.

Option 2: Decline to ratify Resolution No. 2015-010 (*thus terminating the general drought emergency declaration for purposes of bidding, contracting and CEQA compliance*), but ratify the change from Stage 4 Drought Emergency to Stage 2 Water Warning for Outingdale.

Option 3: Take no action (*thus terminating the general drought emergency declaration for purposes of bidding, contracting and CEQA compliance, and reinstating the Stage 4 Drought Emergency in Outingdale*).

Recommended Action: Option 1 (four-fifths vote required for purposes of bidding and contracting).

4. Clerk to the Board (Sullivan)

Proposed 2016 Board meeting schedule, rescheduling Board meetings that either fall on legal holidays or present scheduling conflicts.

Option 1: Adopt the proposed 2016 Board meeting schedule, rescheduling Board meetings that fall on either legal holidays or present scheduling conflicts.

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

Option 3: Take no action.

Recommended Action: Option 1.

5. Office of the General Counsel (Cumpston)

Consideration of three Purchase and Sale Agreements to transfer surplus District properties.

Option 1: Approve three Purchase and Sale Agreements to transfer APNs 079-160-68, 317-240-08, and 323-530-03 to adjoining property owners; authorize the General Manager to execute the agreement and take all other necessary actions, upon approval as to form by General Counsel, to effectuate the property sale.

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

Option 3: Take no action.

Recommended Action: Option 1.

6. Finance (Pasquarello)

Funding approval for District Capital Improvement Plan (CIP) Projects.

Option 1: Authorize funding for the CIP project as requested in the amount of \$589,500.

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

Option 3: Take no action.

Recommended Action: Option 1.

7. Office of the General Counsel (P. Johnson)

Consideration of a resolution to quitclaim easement (APN: 117-010-20).

Option 1: Adopt a resolution to quitclaim the easement.

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

Option 3: Take no action.

Recommended Action: Option 1.

8. Office of the General Counsel (P. Johnson)

Adopt a resolution declaring District property surplus and approving sale or other disposal of surplus property (APN: 327-270-09).

Option 1: Adopt a Resolution declaring District property surplus and approve sale or other disposal of surplus property. (APN: 327-270-09).

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

Option 3: Take no action.

Recommended Action: Option 1.

9. Office of the General Counsel (P. Johnson)

Consideration of a resolution to authorize release and disposal of sewer easements due to relocation (APNs: 120-700-04 and -05).

Option 1: Adopt a resolution approving and authorizing execution of the abandonment of easement submitted.

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

Option 3: Take no action.

Recommended Action: Option 1.

10. Office of the General Counsel (P. Johnson)

Consideration of a resolution authorizing the grant of an Irrevocable Offer of Dedication for Drainage Easements to the County of El Dorado (APN: 117-570-11).

Option 1: Adopt a resolution authorizing the grant of an Irrevocable Offer of Dedication for Drainage Easements to the County of El Dorado.

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

Option 3: Take no action.

Recommended Action: Option 1.

END OF CONSENT CALENDAR

PUBLIC HEARINGS ~ 9:00 A.M.

11. Office of the General Counsel (Cumpston)

Proposed amendment of Board Policy 1010 regarding redistricting.

Option 1: Approve amendment to Board Policy 1010 as presented by staff.

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

Option 3: Take no action.

Recommended Action: Option 1.

12. Finance (Pasquarello)

Appropriations Limit for Fiscal Year 2016.

Option 1: Adopt the proposed Appropriations Limit Resolution for Fiscal Year 2016.

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

Option 3: Take no action.

Recommended Action: Option 1.

INFORMATION ITEMS

13. Office of the General Counsel (Poulsen)

Presentation of Annual State Legislative Report by Reeb Government Relations, LLC for 2015.

Recommended Action: None – Information only.

14. Finance / Engineering (Price/Mueller)

Staff response to November 9, 2015 handout regarding the District's Facility Capacity Charge setting policy.

Recommended Action: None – Information only.

15. Office of the General Manager (Abercrombie)

Update on *Key Performance Indicators and Goals* report.

Recommended Action: None – Information only.

DIRECTOR ITEMS

16. Board of Directors (George)

Parliamentary Procedures.

Recommended Action: None – Information only.

ACTION ITEMS

17. Fleet (Warden)

Consideration to award an addendum to Utility Vehicles Contract RFB P15-02 to purchase two additional vehicles from Ron DuPratt Ford for the original contract price of \$93,503.70, including sales tax, and authorize funding in the not-to-exceed amount of \$425,000, Project No. 16001.01.

Option 1: Award an addendum to contract RFB P15-02 to purchase two 1-ton 4x4 utility vehicles from Ron DuPratt Ford for the original contract price of \$93,503.70, including sales tax, and authorize funding in the not-to-exceed amount of \$425,000, Project No. 16001.01.

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

Option 3: Take no action.

Recommended Action: Option 1.

18. Operations (Washko)

Consideration to award a five-year contract to Denali Water Solutions for Sludge Hauling and Disposal Services from the Deer Creek and El Dorado Hills Wastewater Treatment Plants for an estimated contract total of \$1,362,900.

Option 1: Award a five-year contract to Denali Water Solutions for as-needed wastewater sludge hauling and disposal from the Deer Creek and El Dorado Hills Wastewater Treatment Plants for an estimated contract total of \$1,362,900.

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

Option 3: Take no action.

Recommended Action: Option 1.

19. Engineering (T. Sullivan)

Consideration to award a time and material professional services agreement in the not-to-exceed amount of \$127,230 to ArcSine Engineering, and authorize total funding of \$174,305 for the design of the Wastewater SCADA System Reliability Project; Project No.12021.01, RFP15-12.

Option 1: Award a time and material professional services agreement in the not-to-exceed amount of \$127,230 to ArcSine Engineering, and authorize total funding of \$174,305 for the design of the Wastewater SCADA System Reliability Project; Project No. 12021.01, RFP15-12.

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

Option 3: Take no action.

Recommended Action: Option 1.

20. Office of the General Manager / Office of the General Counsel (Abercrombie/Cumpston)

Consideration of compensation and term amendments to General Manager's and General Counsel's employment contracts.

This item will be heard after Closed Session Item Nos. A and B on this agenda have been considered.

Option 1: Approve requested amendments to the General Manager's and General Counsel's employment contracts providing 5% merit increases to both and 5% and 4% equity increases, respectively, and extending their expiration dates to December 31, 2018 and December 31, 2016, respectively.

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

Option 3: Take no action.

Recommended Action: Option 1.

CLOSED SESSION

A. Closed session pursuant to Government Code section 54957 (Cumpston)

Public Employee Employment/Performance Evaluation pursuant to Government Code Section 54957(b)(1). Position Title: General Counsel. Annual performance review.

B. Closed session pursuant to Government Code section 54957 (Abercrombie)

Public Employee Employment/Performance Evaluation pursuant to Government Code Section 54957(b)(1). Position Title: General Manager. Annual performance review.

C. Closed session pursuant to Government Code section 54956.9(d)(2) (Poulsen)

Conference with Senior Deputy General Counsel – Significant Exposure to Litigation: Issuance of Civil Wage and Penalty Assessment by California Department of Industrial Relations, Division of Labor Standards Enforcement against Blue Ribbon Personnel Services.

REVIEW OF ASSIGNMENTS

ADJOURNMENT

TENTATIVELY SCHEDULED ITEMS FOR FUTURE MEETINGS

Engineering

- Consideration to approve the Regional Water Authority Project Agreement to administer the 2014 Integrated Regional Water Management (IRWM) Drought Grant for the Upper Main Ditch Project, Action Item, regular Board meeting, January 11, 2016 (Eden-Bishop)
- Consideration of request to execute a cost share agreement with the El Dorado County Water Agency for the Main Ditch Improvements, Tank 3 In-conduit Hydroelectric, and Deer Creek Change of Use Petition, Action Item, regular Board meeting, January 11, 2016 (Eden-Bishop)
- Consideration to adopt a resolution authorizing the General Manager to sign and submit a grant proposal to the United States Bureau of Reclamation for the WaterSMART: Water and Energy Efficiency Grants FY 2016 for the Upper Main Ditch Piping Project, Project No. 11032, Action Item, regular Board meeting, January 11, 2016 (Eden-Bishop)

Office of the General Manager

- Consideration of the proposed water, wastewater, and recycled water rate changes rates as described in the Proposition 218 Notice and City of Placerville Municipal water rate and new water supply agreement, Public Hearing, regular Board meeting, January 11, 2016

El Dorado Irrigation District
December 14, 2015
Board Meeting
Communications - General Manager

1) Awards and Recognitions

- a) Congratulations to **Rafael Cardoza**, who is retiring after 36 years of service. We appreciate his dedication and service. We wish him continued success and happiness in his retirement journey.
- b) Congratulations to **Cappie Jones**, who is retiring after 23 years of service. We appreciate his commitment to public service, and hope that retirement brings him the contentment and relaxation he has earned.
- c) Congratulations to **Buddy Tanner**, who retired after 20 years of service. We appreciate all of his contributions to the District's success. We wish him great health and happiness in his well-deserved retirement.
- d) Congratulations to **Bob Rice**, who is retiring after 7 years of service. He is a dedicated public servant, and proudly represented the District's guiding principles. We wish him great health and relaxation as he begins his retirement journey.
- e) Congratulations, **Casey Steel**. Casey has been promoted as a replacement to the position of Senior Layout and Fabrication Welder in the Fleet Maintenance Division.
- f) Welcome to the District, **Alex Williams**. Alex has been hired as a replacement to the position of Industrial Painter in the Fleet Maintenance Division.
- g) Welcome to the District, **Ashley Sanne**. Ashley has been hired as a replacement to the position of Finance Assistant I in the Utility Billing Division.
- h) Welcome to the District, **Heather Lovejoy-Valdez**. Heather has been hired as a replacement to the position of Finance Assistant I in the Utility Billing Division.
- i) We received a letter from William C. Lebeck, retired Los Angeles Fire Department Captain in appreciation of **Noel Russell, Martin Humbird, Andy Ault, Mark Haverson, and Jorge Lopez** for their work on a water main repair near his home. He wrote "I was immediately impressed by their work and team spirit. There were not wasted efforts or complaints. Just good team activity." He also wrote "I have seen many great emergency teams and some not so great. I believe the crew that arrived at my residence from EID is one of the best." He expressed his "sincere thanks and appreciation to each member for their combined efforts in solving a problem quickly, accurately and in a most professional manner."

2) Staff Reports and Updates

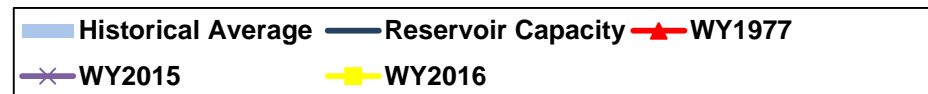
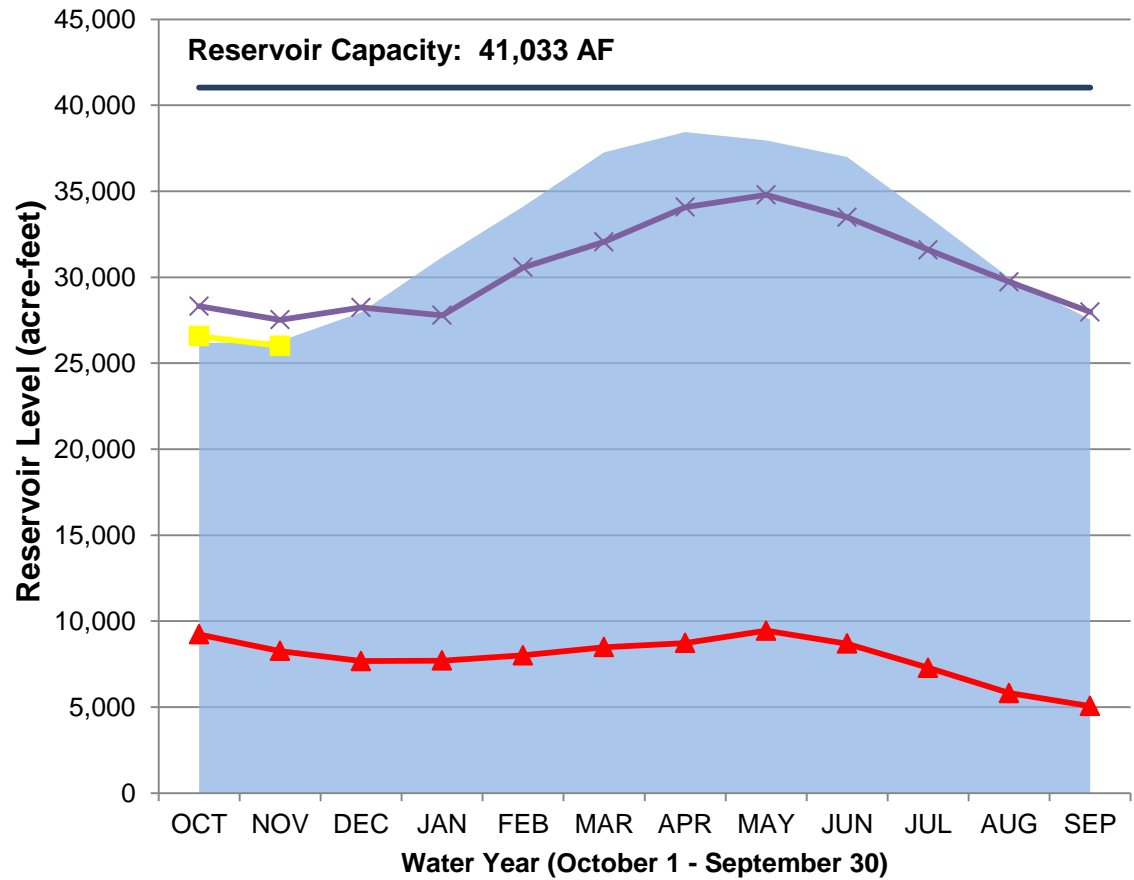
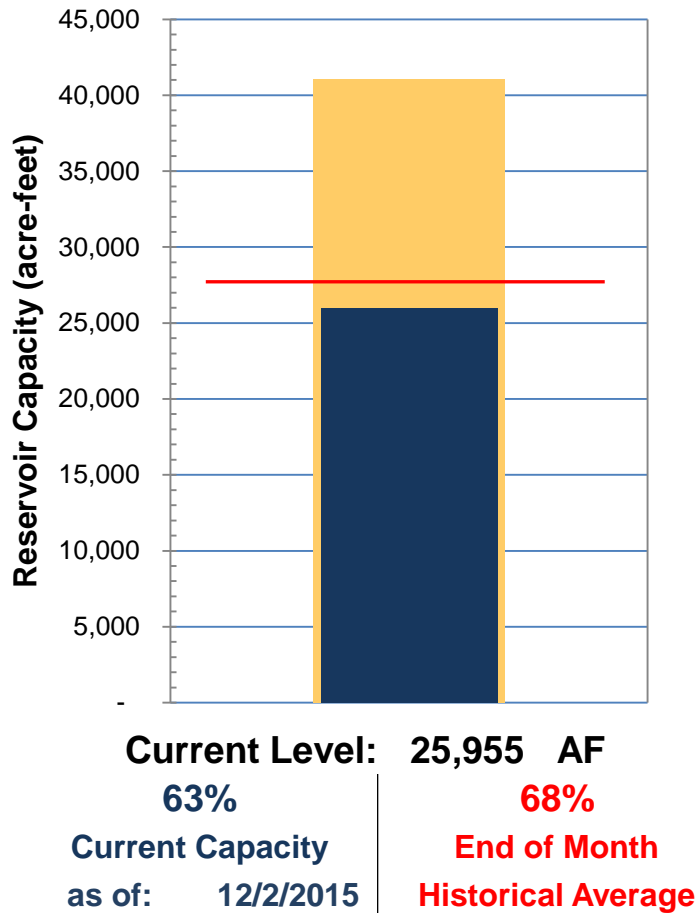
- a) Drought Update and Conservation Progress – Summary by Brian Mueller



Jenkinson Lake at Sly Park

Reservoir Conditions

(as of December 2, 2015)

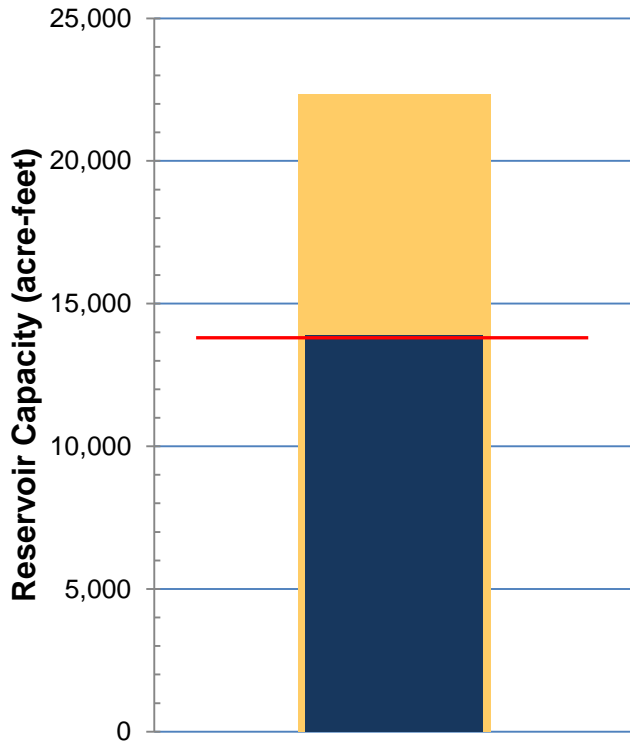




Caples Lake

Reservoir Conditions

(as of December 2, 2015)

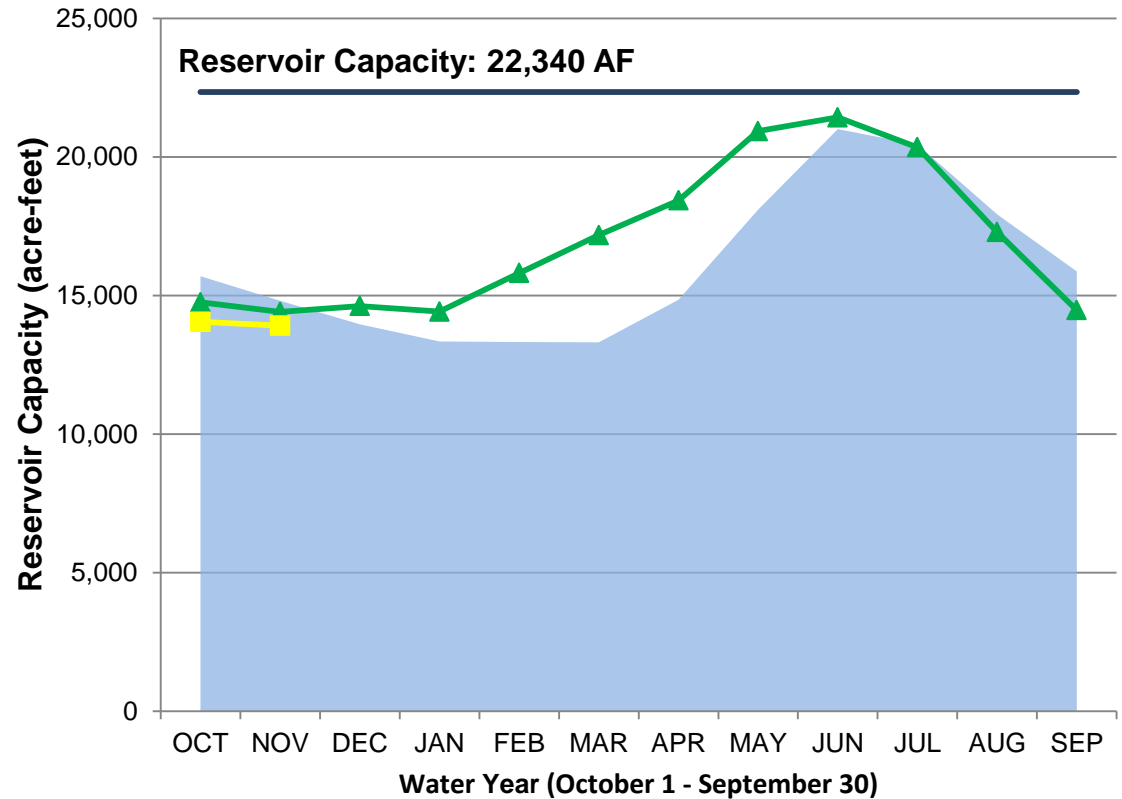


Current Level: 13,877 AF

62%

Current Capacity
as of: 12/2/2015

62%
End of Month
Historical Average



Historical Average

WY 2015

Reservoir Capacity

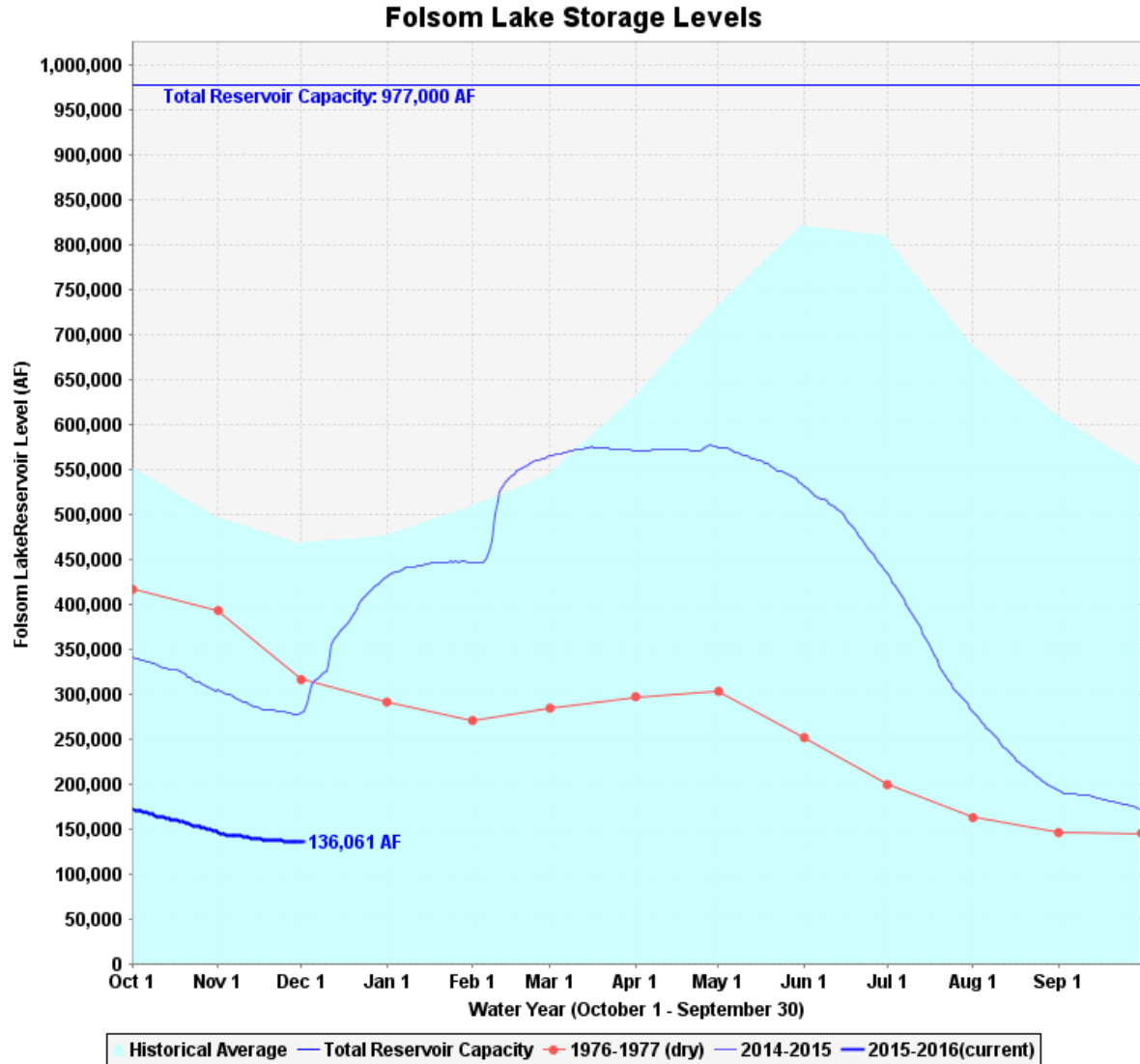
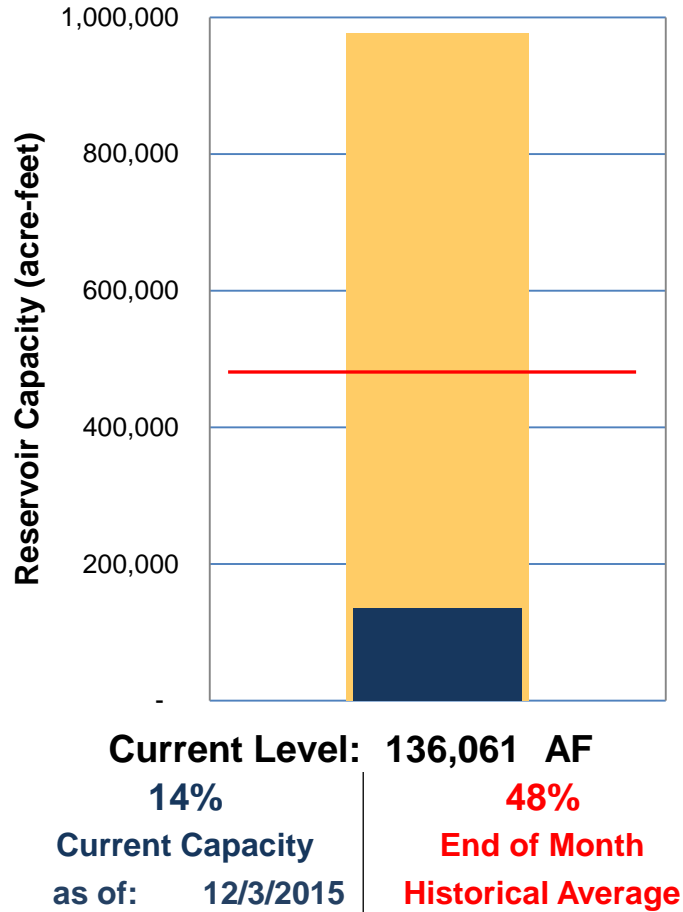
WY 2016



Folsom Lake

Storage Levels

(as of December 2, 2015)

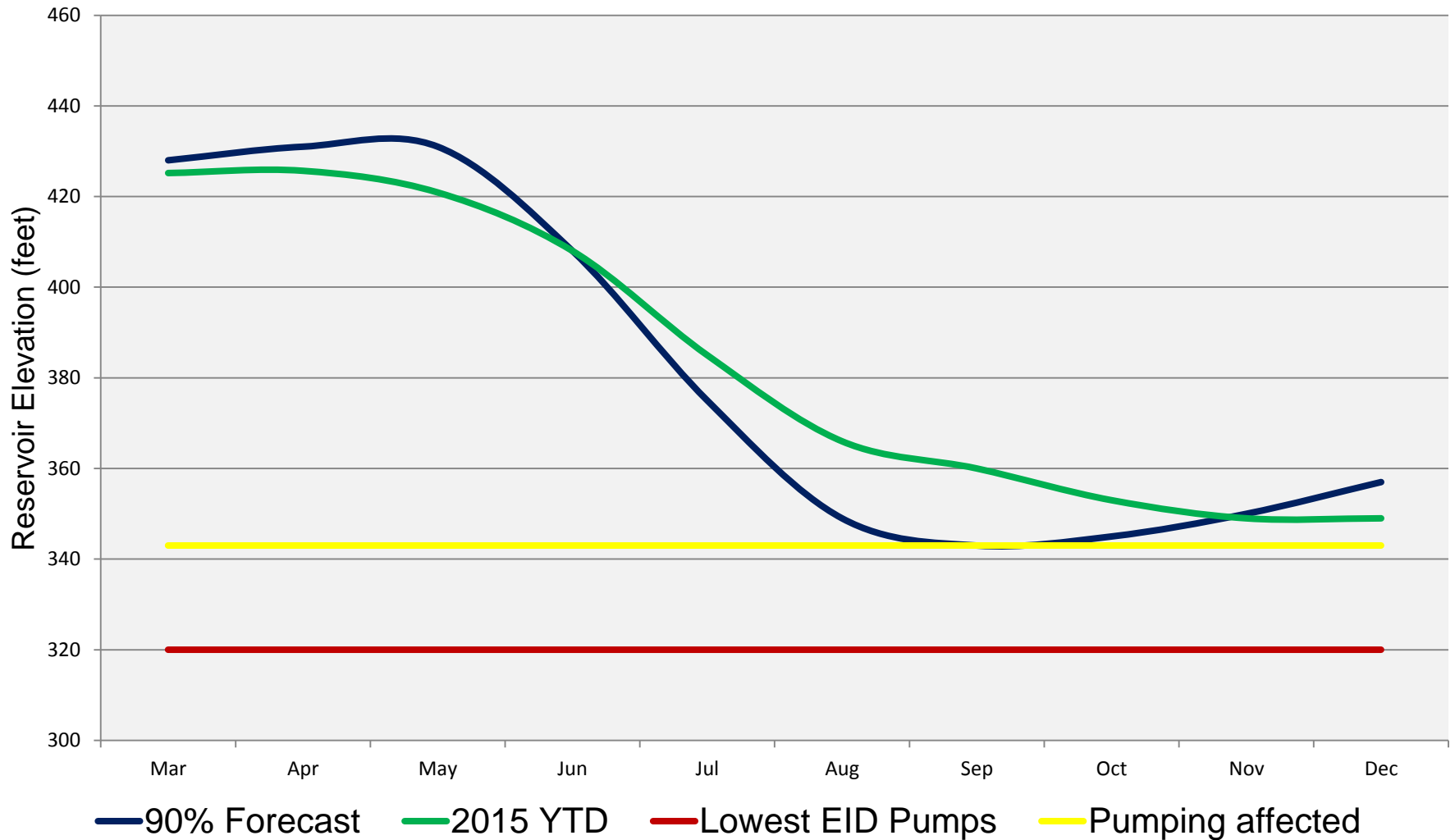




Folsom Lake

Elevation Level Forecast

(as of December 2, 2015)

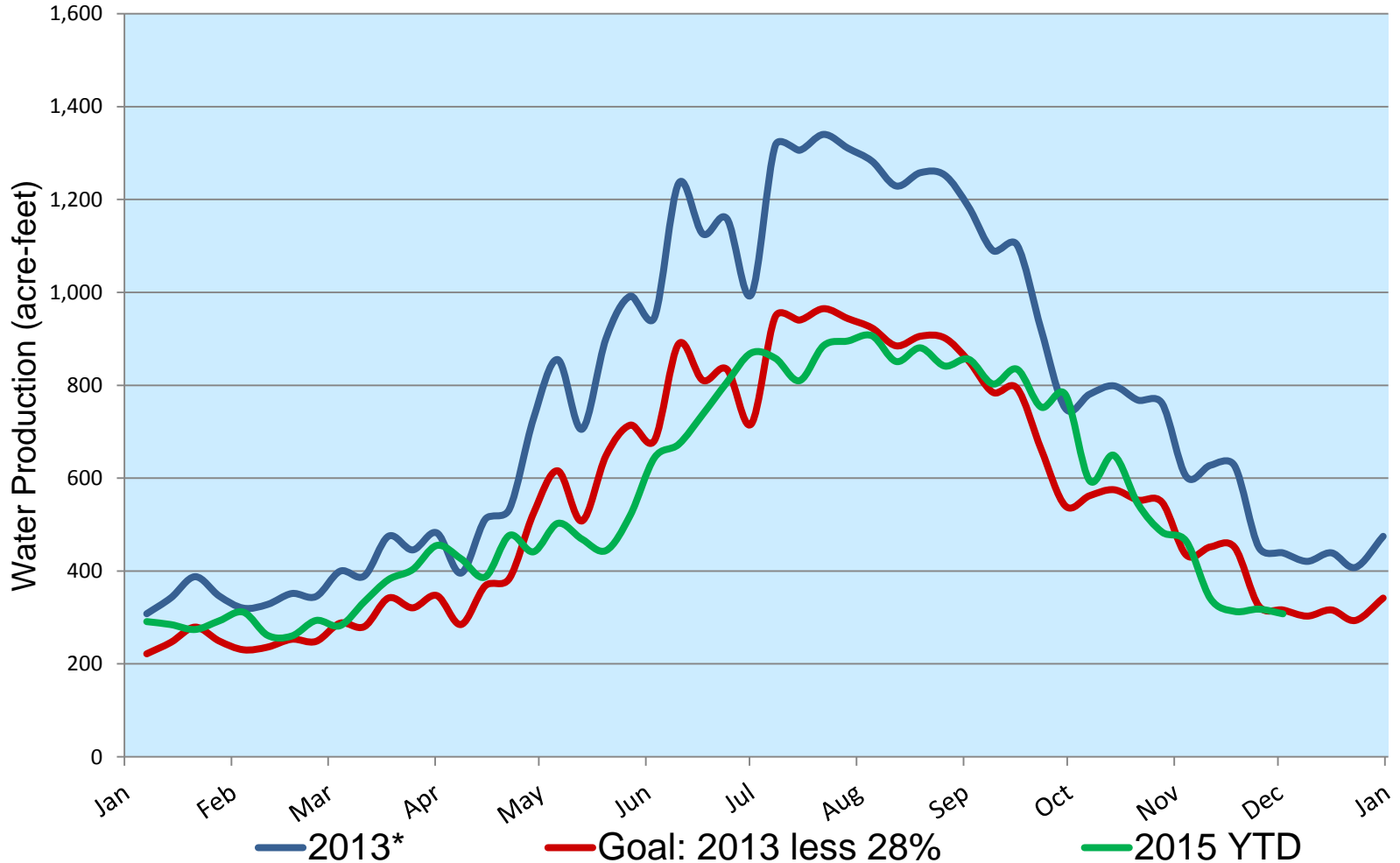




Potable Water Conservation Progress

Weekly Comparison – 2015 vs. 2013

(as of December 2, 2015)



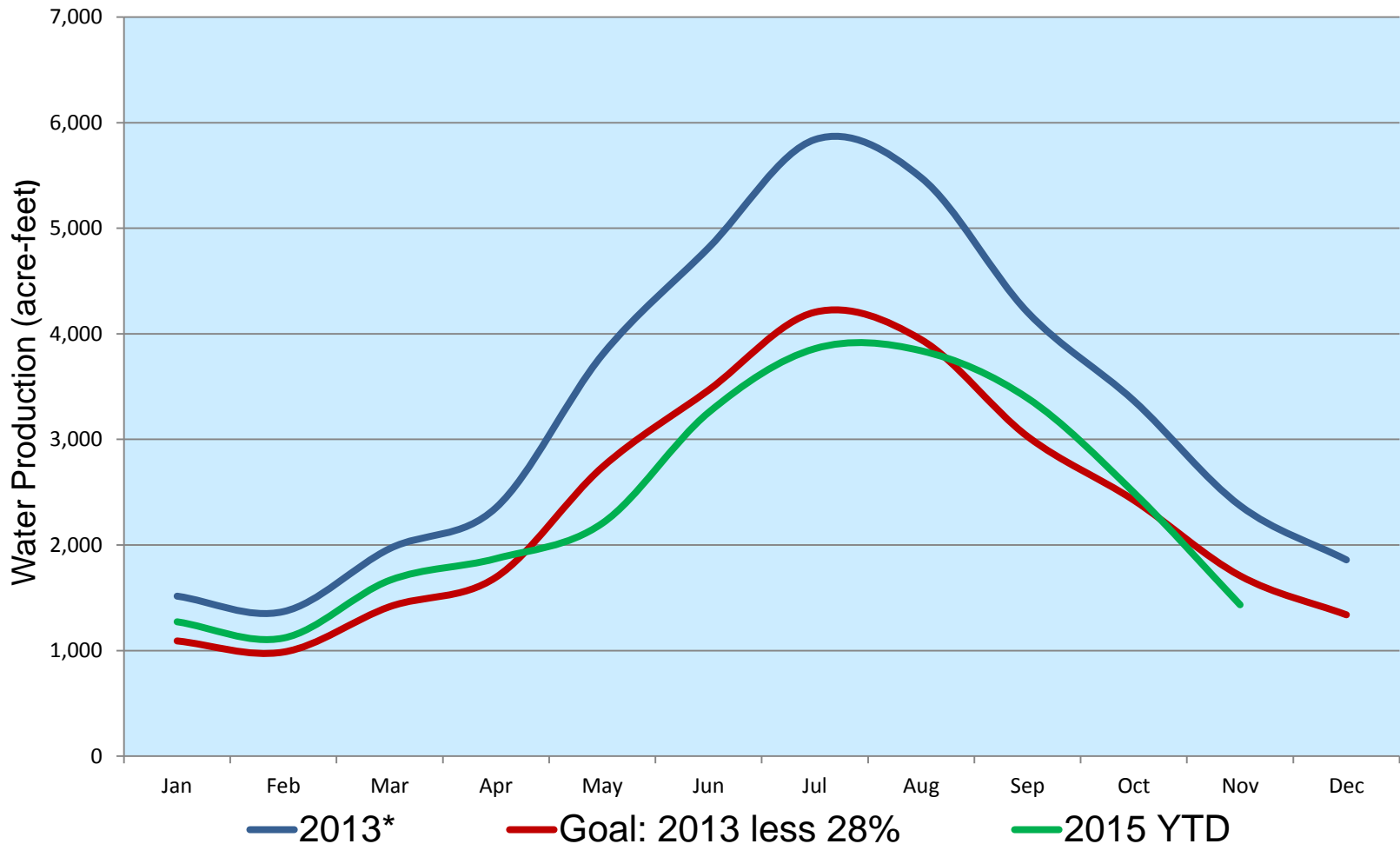
*2013 baseline per State Water Board and RWA standard



Potable Water Conservation Progress

Monthly Comparison – 2015 vs. 2013

(as of November 30, 2015)



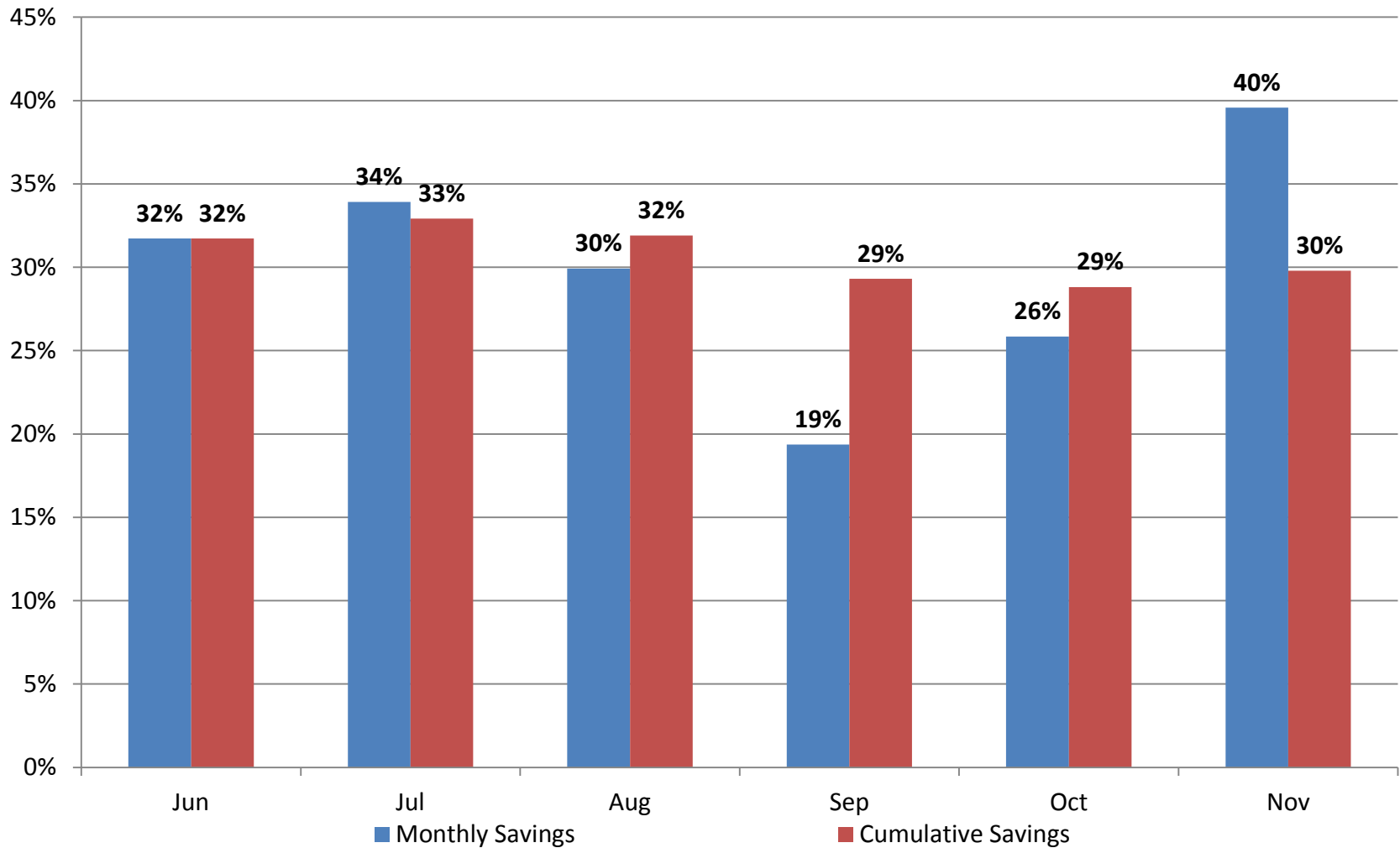
*2013 baseline per State Water Board and RWA standard



State Water Board Compliance Tracking

Potable Water Conservation – 2015 vs. 2013

(June 1, 2015 – November 30, 2015)



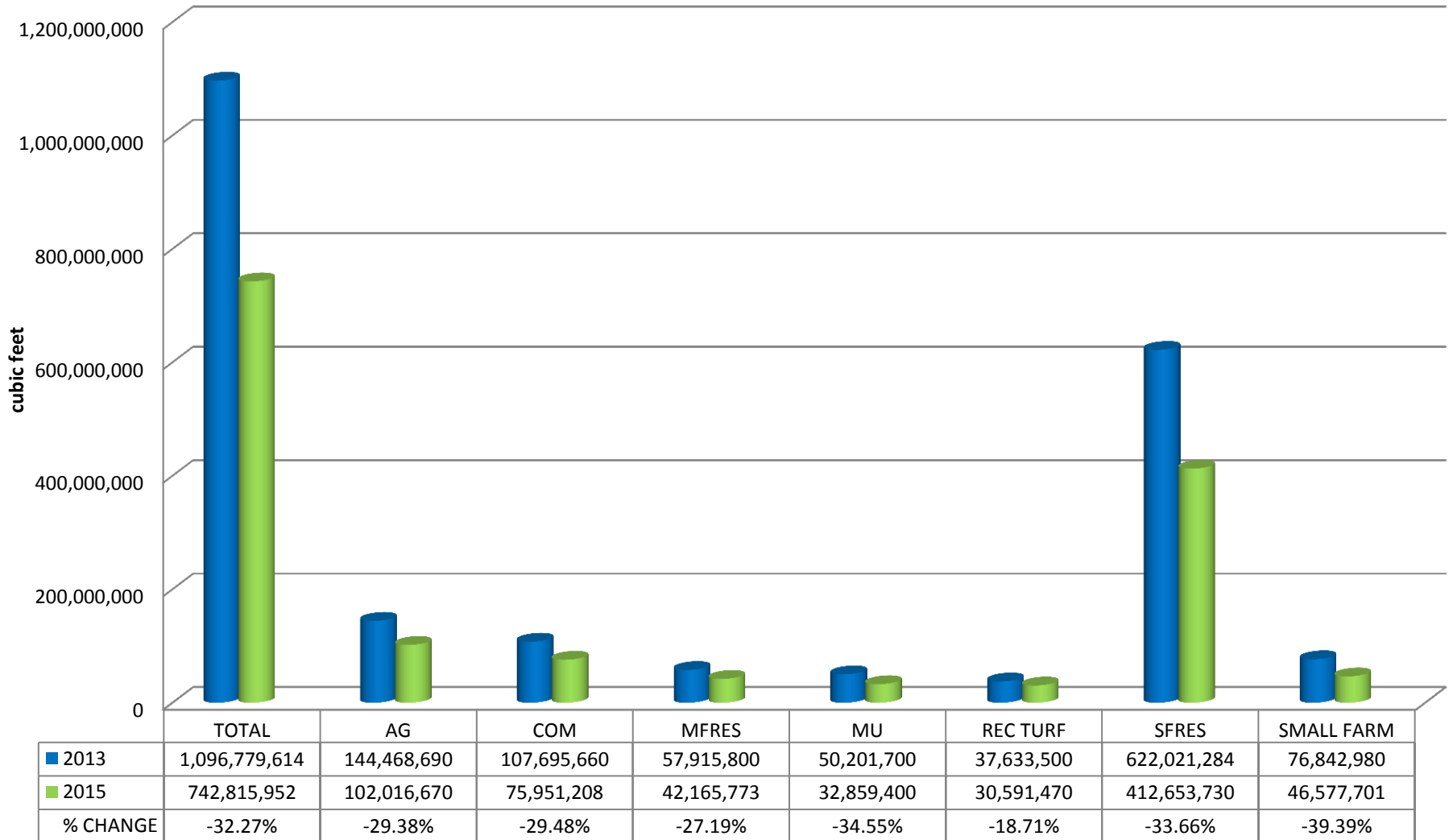
El Dorado Irrigation District requirement = 28%



Potable Metered Use Comparison

2015 Year to Date (cubic feet)

(as of October 26, 2015)



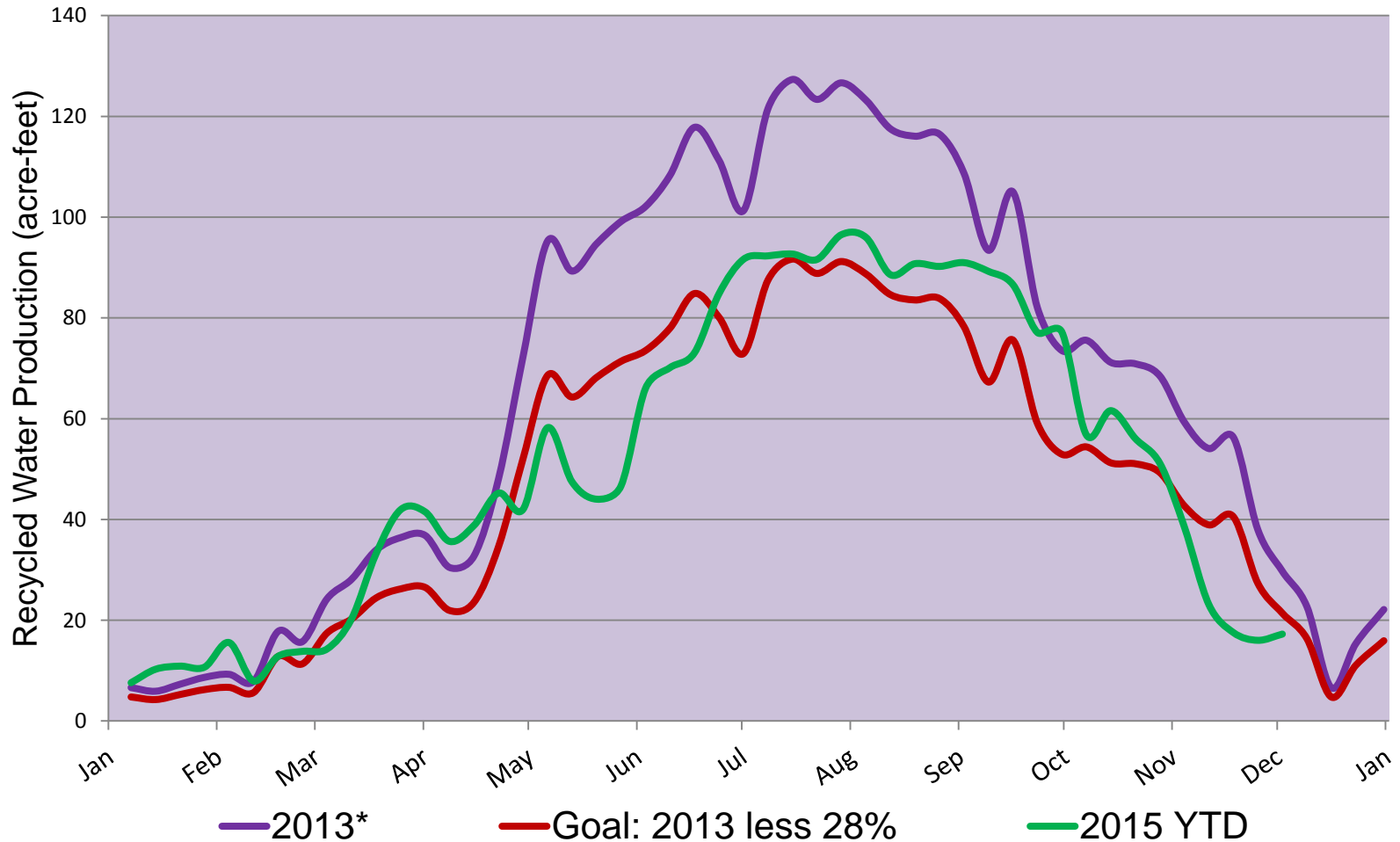
60% of 2013 Domestic Irrigation use was rolled into the 2013 Single Family Residential category. The remaining 40% was rolled into the 2013 Small Farm category.



Recycled Water Conservation Progress

Weekly Comparison – 2015 vs. 2013

(as of December 2, 2015)



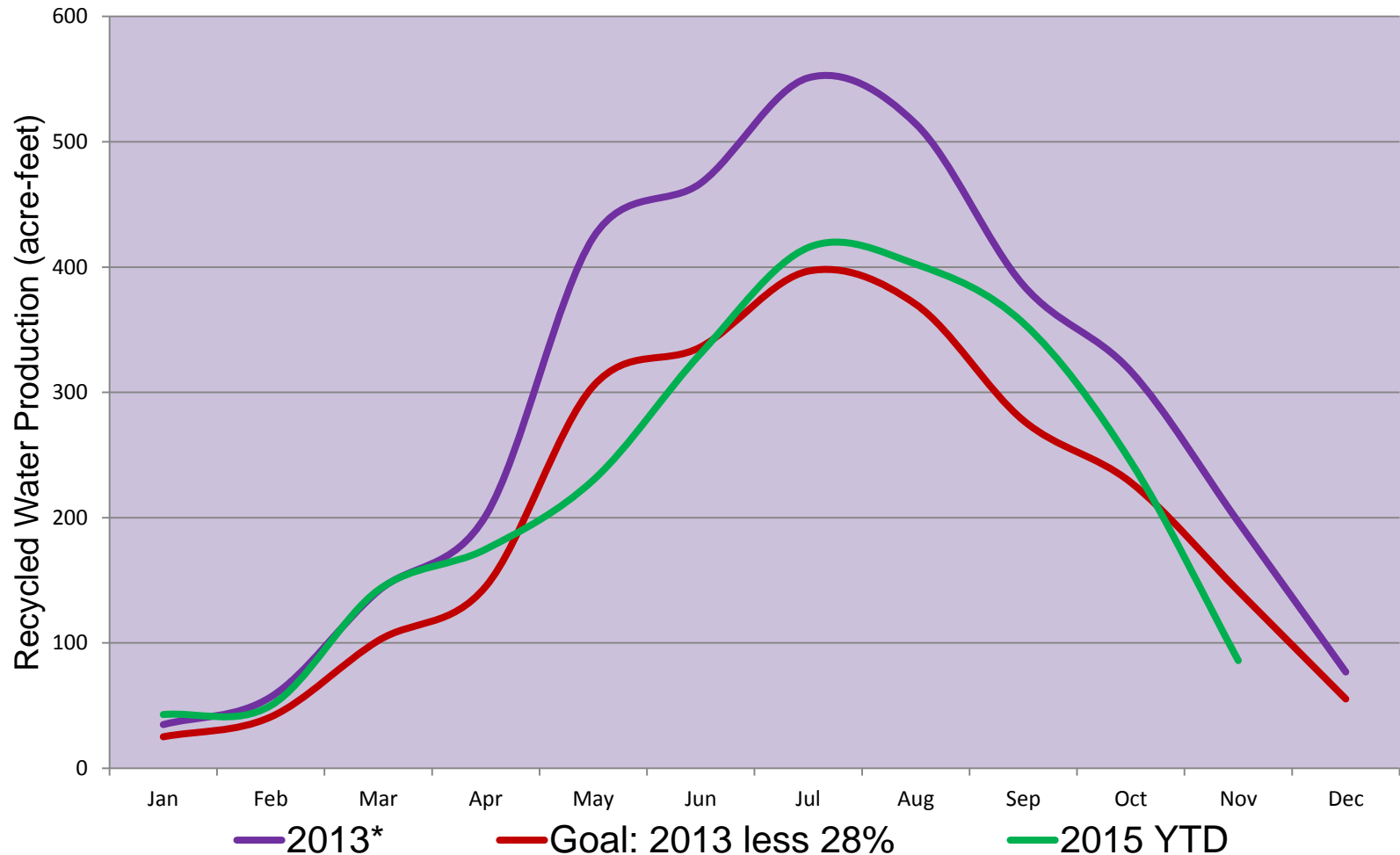
*2013 baseline per State Water Board and RWA standard



Recycled Water Conservation Progress

Monthly Comparison – 2015 vs. 2013

(as of November 30, 2015)



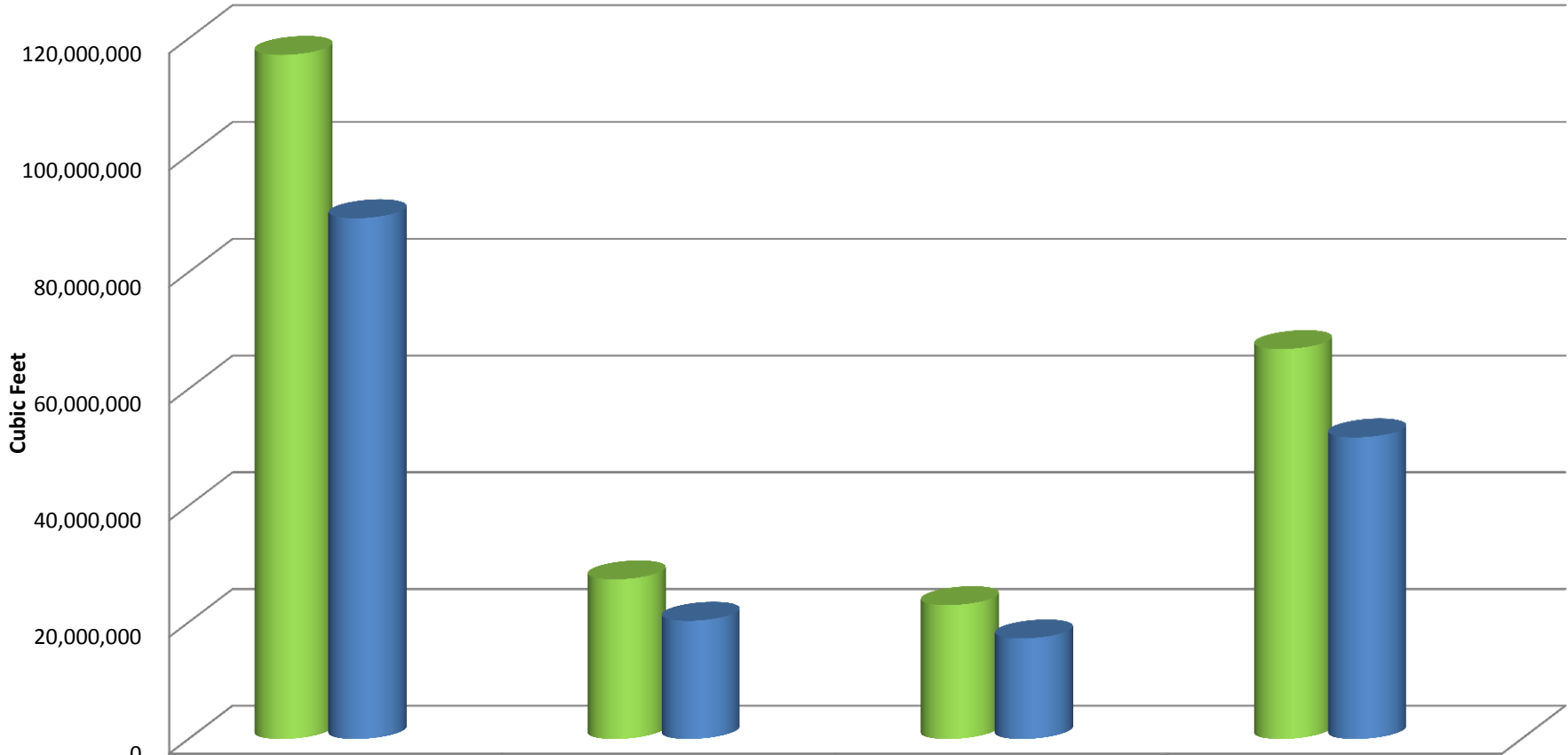
*2013 baseline per State Water Board and RWA standard



Recycled Metered Use Comparison

2015 Year to Date (cubic feet)

(as of October 10, 2015)



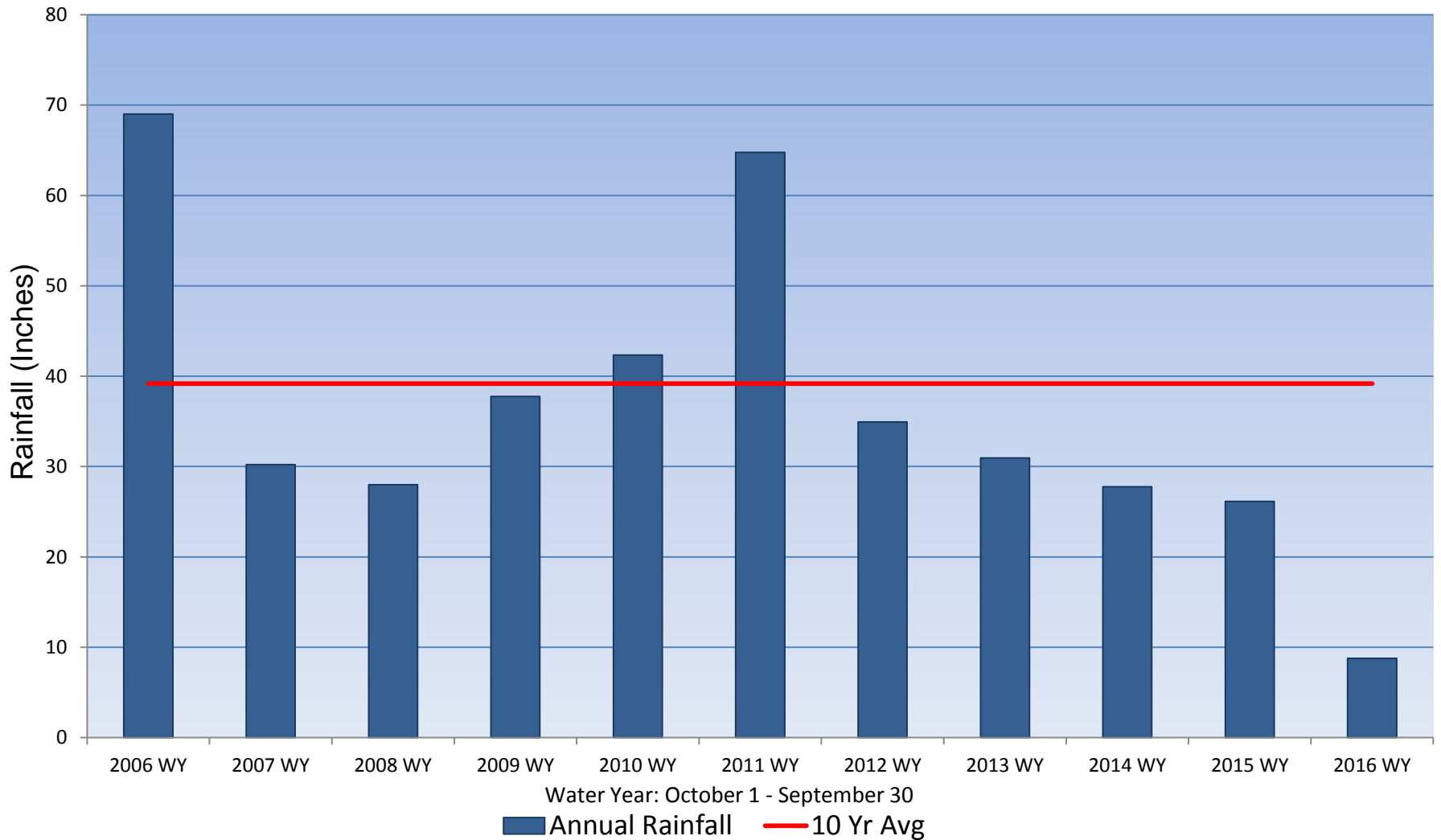
■ 2013	117,210,439	27,379,000	22,973,800	66,857,639
■ 2015	89,251,900	20,276,100	17,254,300	51,721,500
% CHANGE	-23.85%	-25.94%	-24.90%	-22.64%



El Dorado Irrigation District

Annual Rainfall Totals

(as of December 2, 2015)

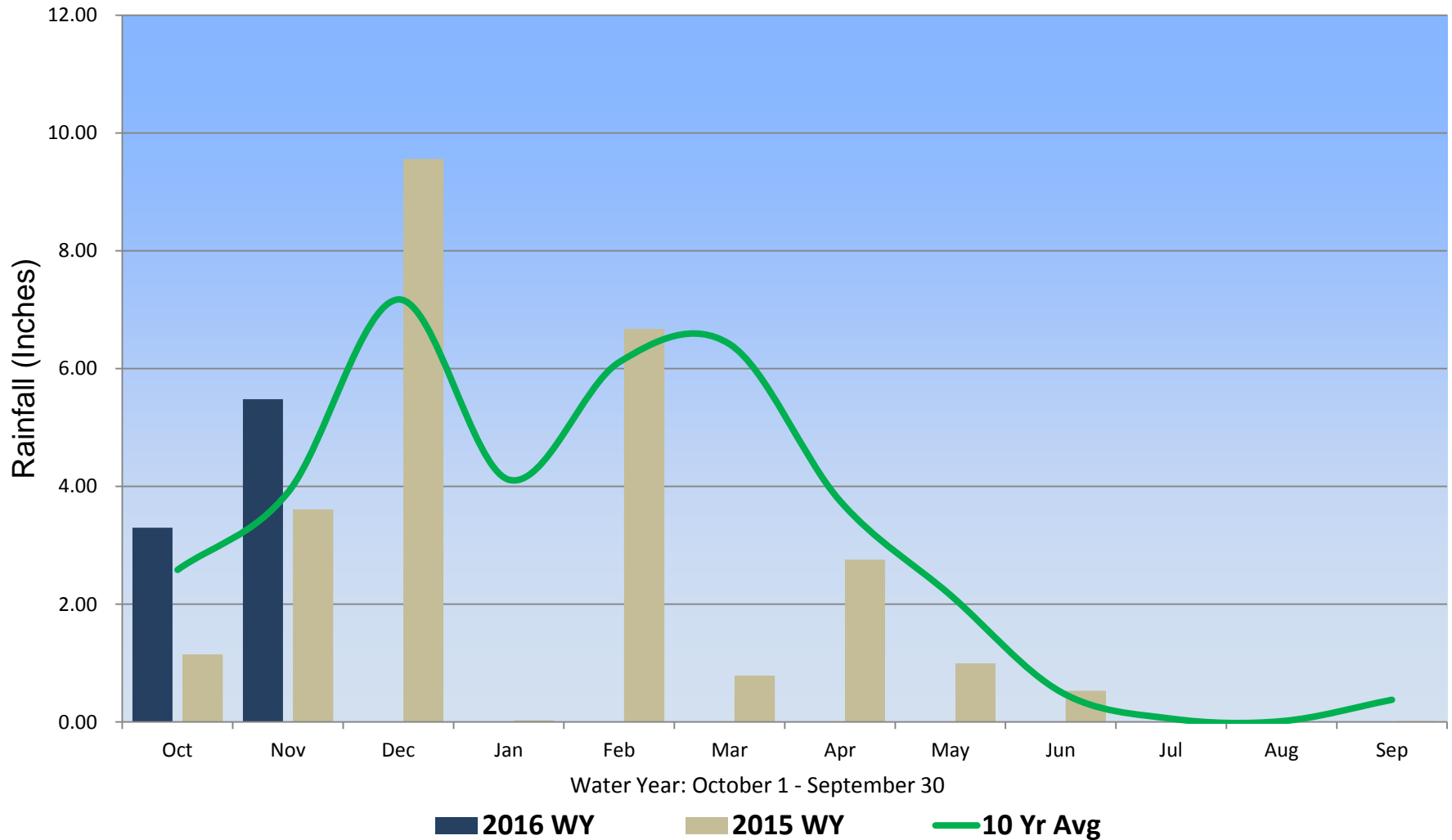




El Dorado Irrigation District

Monthly Rainfall Comparison

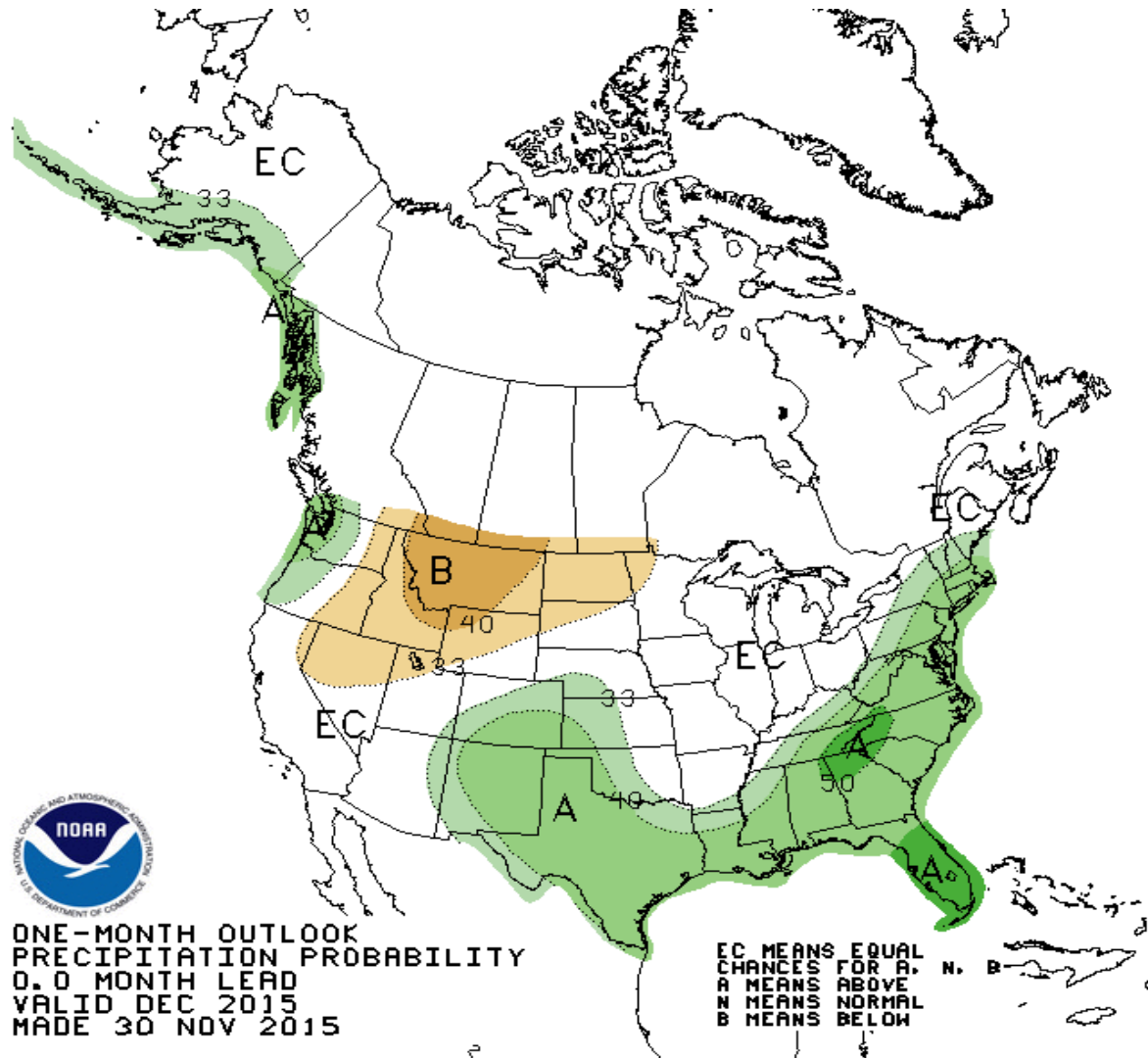
(as of December 2, 2015)



National Weather Service

1-month outlook

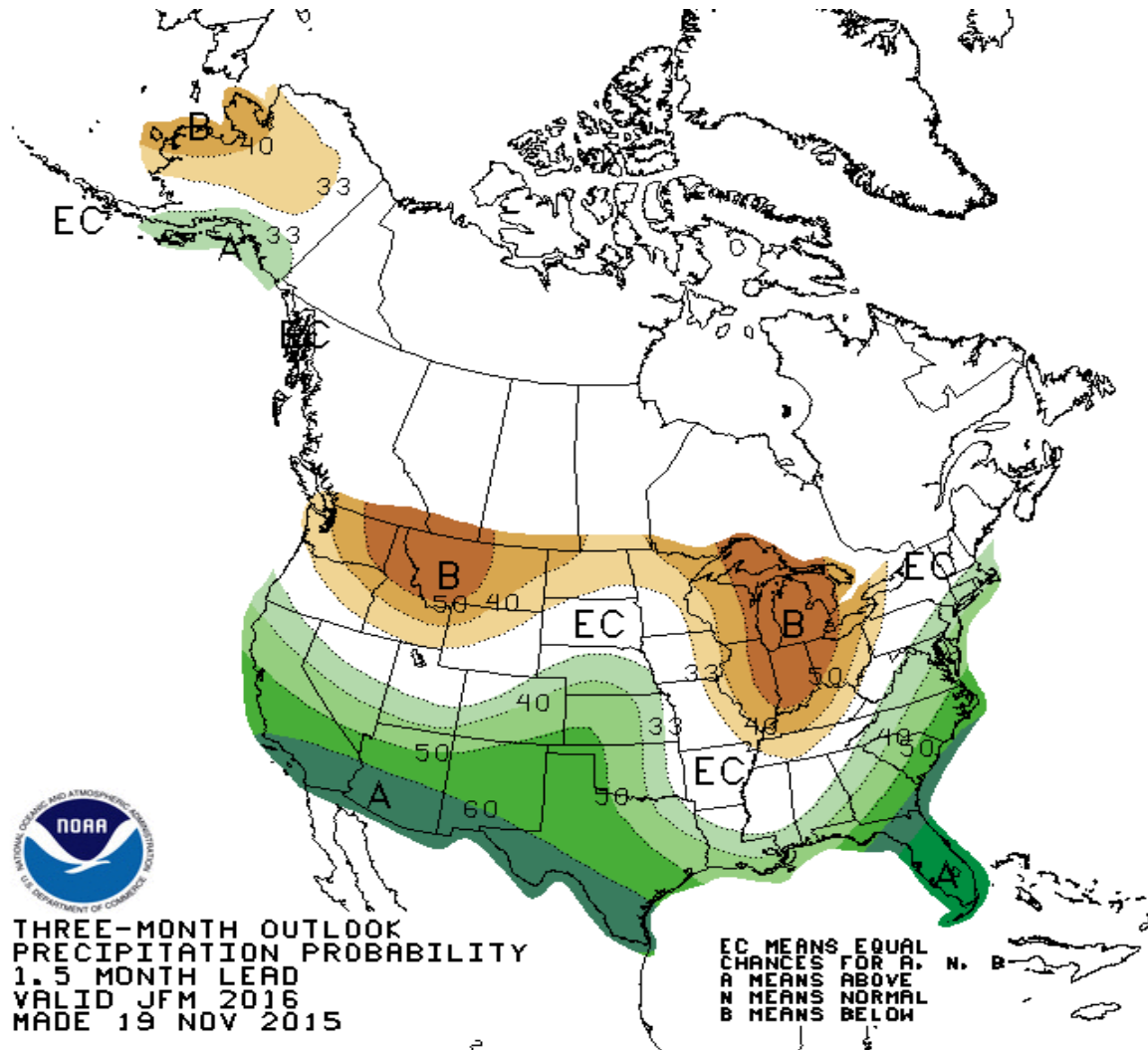
(as of November 30, 2015)



National Weather Service

3-month outlook

(as of November 19, 2015)

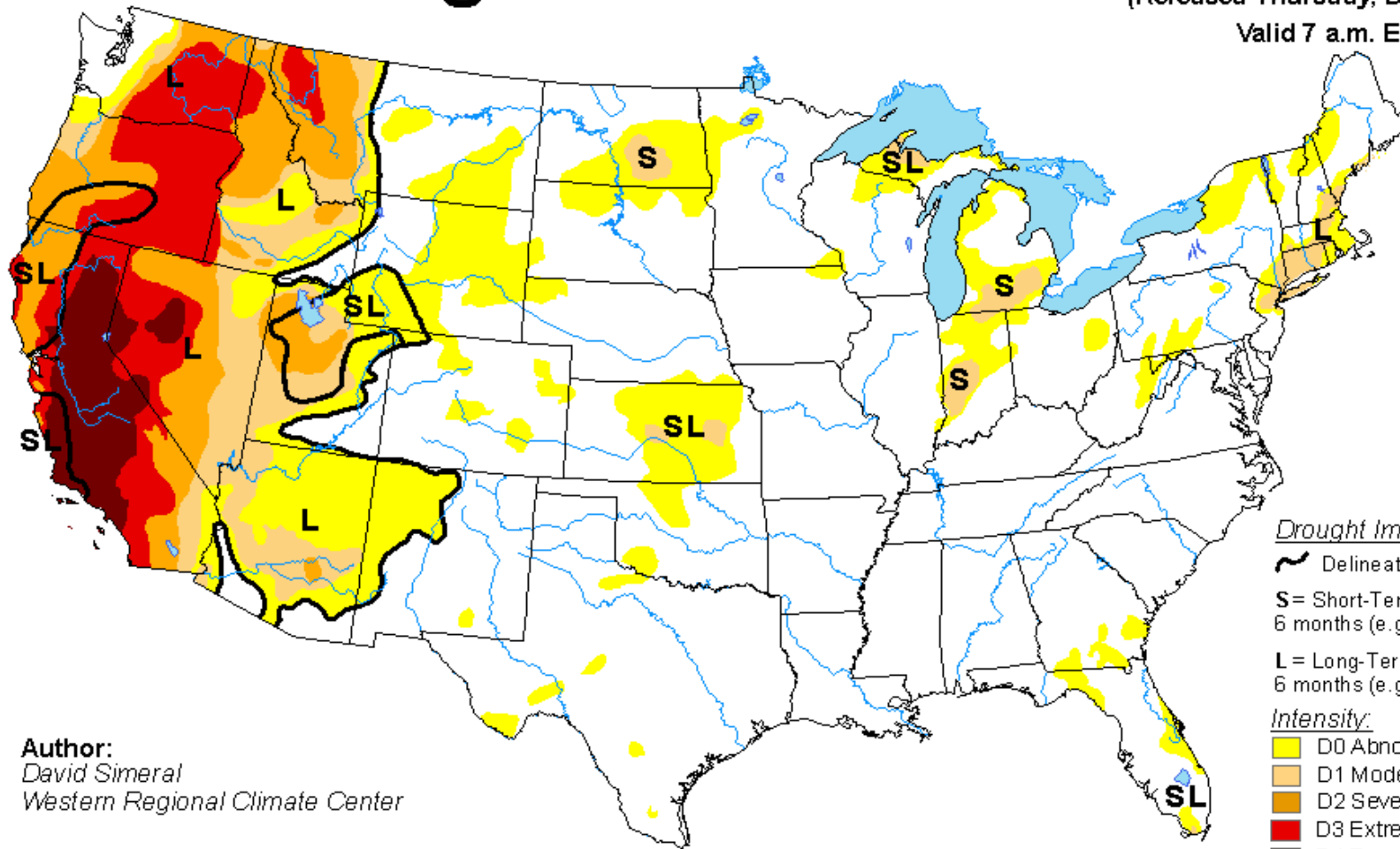


U.S. Drought Monitor

December 1, 2015


(Released Thursday, Dec. 3, 2015)

Valid 7 a.m. EST








Author:
David Simeral
Western Regional Climate Center

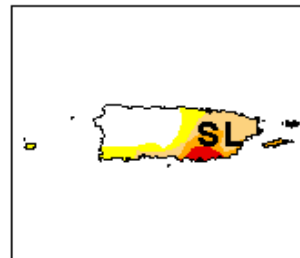
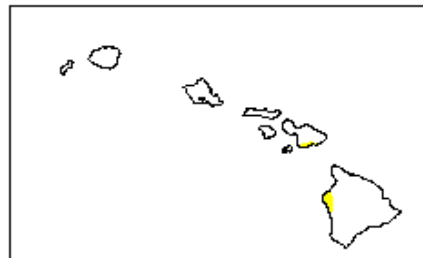
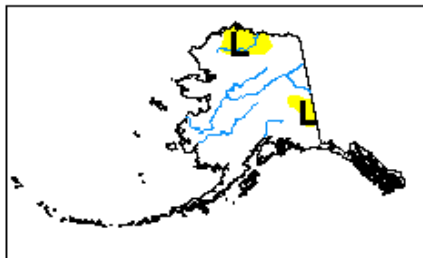
Drought Impact Types:

-  Delineates dominant impacts
- S** = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L** = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

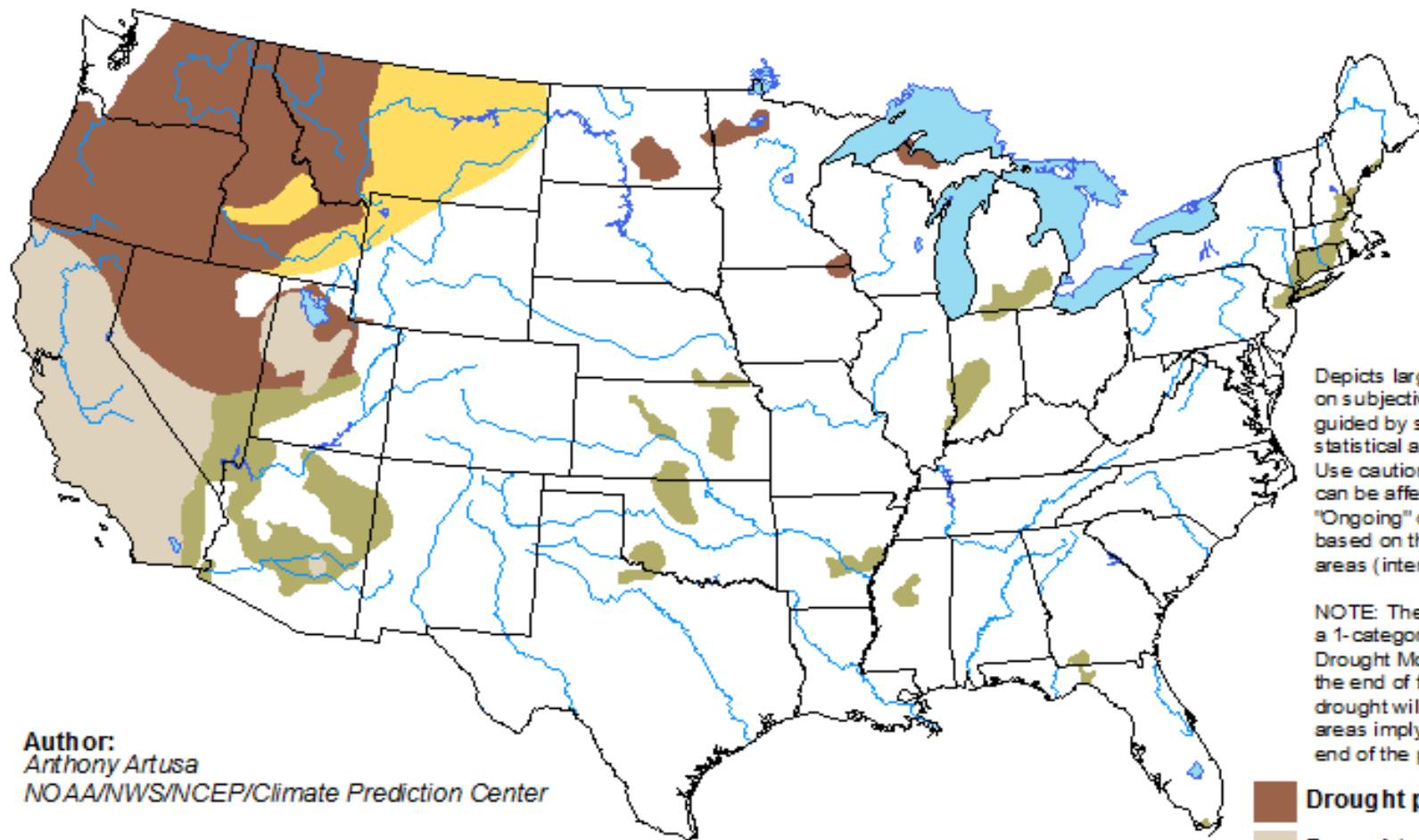


<http://droughtmonitor.unl.edu/>

U.S. Seasonal Drought Outlook Valid for November 19 - February 29, 2016

Drought Tendency During the Valid Period





Released November 19, 2015

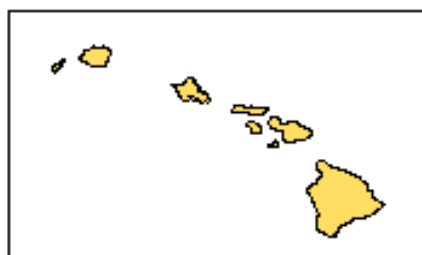
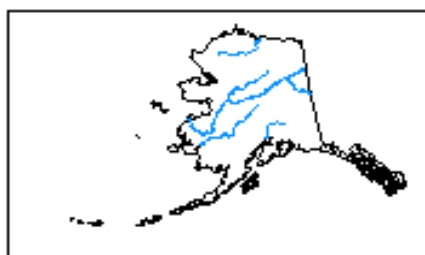


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Author:
Anthony Artusa
NOAA/NWS/NCEP/Climate Prediction Center

-  Drought persists
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely



<http://go.usa.gov/3eZ73>

**General Manager’s Report
December 14, 2015**

Drought Update and Conservation Progress

Stage 2 Drought Update

The District continues to track customer conservation both on a weekly basis and cumulative conservation for the year, and compares the usage to 2013. The District is mandated to reduce water usage by 28% beginning in June as a result of the Governor’s executive order and State Water Board regulations.

As of December 2, 2015 cumulative conservation for water customers was 29% for the year. Conservation for the week of November 26 – December 2 was 30%.

The monthly conservation for November was 40%, and total conservation since June 2015 has been 30%, both metrics exceeding the State Board mandate.

For recycled water customers, cumulative conservation for the year is 25%. Conservation for the week of November 26 – December 2 was 45%. Conservation for the month of November was 56%.

2015 vs. 2013* Conservation Progress

	Weekly Conservation <i>(as of Dec 2)</i>	Monthly Conservation <i>November</i>	YTD Conservation <i>(as of Dec 2)</i>	Cumulative Conservation <i>(June 1 – Dec 2)</i>
Potable	30%	40%	29%	30%
Recycled	45%	56%	25%	N/A
<i>*2013 baseline per State Water Board standard</i>				

Attachments

- A. Drought and conservation charts

EL DORADO IRRIGATION DISTRICT

Subject: Ratification of EID General Warrant Registers for the periods ending November 3, November 10, November 17, November 24, and December 1, 2015, and Board and Employee Expense Reimbursements for these periods.

Previous Board Action:

February 4, 2002 – The Board approved to continue weekly warrant runs, and individual Board member review with the option to pull a warrant for discussion and Board ratification at the next regular Board meeting.

August 16, 2004 – Board adopted the Board Expense Payments and Reimbursement Policy.

August 15, 2007 – The Board re-adopted the Board Expense Payments and Reimbursement Policy as Board Policy 12065 and Resolution No. 2007-059.

Board Policies (BP), Administrative Regulations (AR), and Board Authority:

Section 24600 of the Water Code of the State of California provides no claim is to be paid unless allowed by the Board.

Summary of Issue:

The District's practice has also been to notify the Board of proposed payments by email and have the Board ratify the Warrant Registers. Copies of the Warrant Registers are sent to the Board of Directors on the Friday preceding the Warrant Register's date. If no comment or request to withhold payment is received from any Director by the following Tuesday morning, the warrants are mailed out and formal ratification of said warrants is agendaized on the next regular Board agenda.

On April 1, 2002, the Board requested staff to expand the descriptions on the Warrant Registers and modify the current format of the Warrant Registers.

On July 30, 2002, the Board requested staff to implement an Executive Summary to accompany each Warrant Register which includes all expenditures greater than \$3,000 per operating and capital improvement plan (CIP) funds.

Staff Analysis/Evaluation:

Warrant registers submitted for November 3, November 10, November 17, November 24, and December 1, 2015, and Board and Employee Expense Reimbursements for these periods.

Current Warrant Register Information

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

<u>Register Date</u>	<u>Check Numbers</u>	<u>Amount</u>
November 3, 2015	649707 – 649846	\$ 439,642.33
November 10, 2015	649847 – 649968	\$ 652,043.07
November 17, 2015	649969 – 650080	\$ 602,416.42
November 24, 2015	650081 – 650206	\$ 1,229,803.73
December 1, 2015	650207 – 650347	\$ 556,542.71

Current Board/Employee Expense Payments and Reimbursement Information

The items paid on Attachment A and B are expense and reimbursement items that have been reviewed and approved by the Clerk to the Board, Accounting Manager and the General Manager before the warrants are 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 employee expense reimbursement is available for copying or public inspection at District headquarters in compliance with Government Code Section 53065.5.

Board Decision/Options:

Option 1: Ratify the EID General Warrant Registers as submitted to comply with Section 24600 of the Water Code of the State of California. Receive and file Board and Employee Expense Reimbursements.

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

Option 3: Take no action.

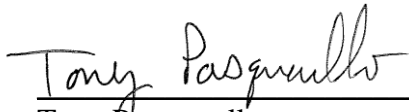
Staff/General Manager’s Recommendation:

Option 1.

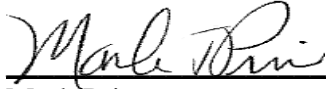
Support Documents Attached:

Attachment A: Board Expenses/Reimbursements

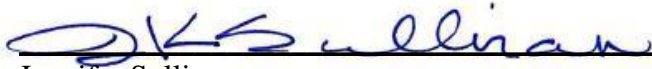
Attachment B: Employee Expenses/Reimbursements totaling \$100 or more



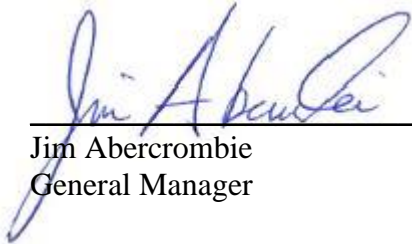
Tony Pasquarello
Accounting Manager



Mark Price
Director of Finance (CFO)



Jennifer Sullivan
Clerk to the Board



Jim Abercrombie
General Manager

Attachment A

Board Expenses/Reimbursements
Warrant Registers dated 11/03/15 - 12/01/15

DESCRIPTION	William George	Alan Day	George Osborne	Dale Coco, MD	Greg Prada	Total
Personal Vehicle Expense	\$73.60		\$54.63	\$17.26	\$83.96	\$229.45
Hotel						\$0.00
Meals or Incidentals Allowance						\$0.00
Airfare, Car Rental, Misc Travel						\$0.00
Fax, Cell or Internet Service	\$40.00			\$40.00	\$80.00	\$160.00
Meeting or Conference Registration						\$0.00
Meals with Others						\$0.00
Membership Fees/Dues						\$0.00
Office Supplies					\$14.03	\$14.03
Reimburse prepaid expenses						\$0.00
Miscellaneous Reimbursements						\$0.00
	\$113.60	\$0.00	\$54.63	\$57.26	\$177.99	\$403.48

Attachment B

Employee Expenses/Reimbursements
 Warrant Registers dated 11/03/15 - 12/01/15

EMPLOYEE	DESCRIPTION	AMOUNT
Rafael Cardoza	Retirement Service Award	\$500.00
Walter Tanner	Retirement Service Award	\$400.00
Clinton Brown	Management and Leadership Class Fee	\$117.68
Judy Calvert	Travel Expenses for Payroll Seminar	\$107.82
Christopher Storms	Pesticide Certification	\$200.00
Alison Costa	Travel Expenses for CALPELRA and CALPERS Training Seminars	\$1,602.26
William Petterson	Water Distribution Operator Certification Renewal	\$105.00
		\$3,032.76



MINUTES
REGULAR MEETING OF THE BOARD OF DIRECTORS
EL DORADO IRRIGATION DISTRICT
 District Board Room, 2890 Mosquito Road, Placerville, California
 November 9, 2015 ~ 9:00 A.M.

Board of Directors

BILL GEORGE
BOARD PRESIDENT
 Division III

GEORGE W. OSBORNE
BOARD VICE PRESIDENT
 Division I

Greg Prada
Board Director
 Division II

Dale Coco, MD
Board Director
 Division IV

Alan Day
Board Director
 Division V

**General Manager and
Executive Staff**

JIM ABERCROMBIE
GENERAL MANAGER

THOMAS D. CUMPSTON
GENERAL COUNSEL

Jennifer Sullivan, Clerk to the Board

Jesse Saich, Communications

Brian Mueller, Engineering

Mark Price, Finance

Jose Perez, Human Resources

**Tim Ranstrom, Information
Technology**

Tom McKinney, Operations

In accordance with the Americans with Disabilities Act and California law, it is the policy of the 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 e-mail 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.

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.

CALL TO ORDER

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

Roll Call

Board

Present: Directors Osborne, Prada, George, Coco, and Day

Staff

Present: General Manager Abercrombie, General Counsel Cumpston, and Clerk to the Board Sullivan

Pledge of Allegiance and Moment of Silence

President George led the Pledge of Allegiance followed by a moment of silence for our troops protecting us around the world.

ADOPT AGENDA

ACTION: Agenda was adopted.

MOTION CARRIED

Ayes: Directors Coco, Osborne, Prada, George, and Day

COMMUNICATIONS

General Manager's Employee Recognition

1) Awards and Recognitions

a) We would like to recognize the following employees for their years of service to the District. Each of these individuals is a dedicated public servant, and proudly represents the District's guiding principles in their daily contributions.

30 Years -- Tom McKinney

25 Years -- Kurt Mikkola and Shawn Console

20 Years -- Buddy Tanner, Noel Russell and Eric Parker

10 Years -- Doug Venable, Nigel Smith, Edward Ruiz, Mark Price, Mitch Perri, Jennifer Sullivan, Marc MacKay, Marty Johnson, Peter Heape, Boyd Haycock, Gene Gutenberger, Jacqui Noel, Aaron Dinsdale, Bryan Cooper, Brian Bales and Scotty Baldrige

5 Years -- Tony Pasquarello, Jeff Johnson, Joe Cortez, Ron Barney and Kristin Schaeffer

APPROVE CONSENT CALENDAR

ACTION: Director Prada pulled Item No. 5. Consent Calendar was then approved as amended.

MOTION CARRIED

Ayes: Directors Prada, Coco, Osborne, George, and Day

PUBLIC COMMENT

Patrick Farish, El Dorado Hills

Ed Willyard, El Dorado Hills

Joe Fuller, Cameron Park

Paul Raveling, El Dorado Hills

COMMUNICATIONS

Board of Directors

Director Coco reported on the Knights of Columbus meeting he recently attended.

Clerk to the Board

None

General Manager

2) Staff Reports and Updates

- a) Drought Update and Conservation Progress – Summary by Brian Mueller
- b) Update on El Dorado Hills Boulevard Line Break – Summary by Tom McKinney

CONSENT CALENDAR

1. Finance (Pasquarello)

Ratification of EID General Warrant Registers for the periods ending October 20 and October 27, 2015, and Board and Employee Expense Reimbursements for these periods.

ACTION: Option 1: Ratified the EID General Warrant Registers as submitted to comply with Section 24600 of the Water Code of the State of California.
Received and filed Board and Employee Expense Reimbursements.

MOTION CARRIED

Ayes: Directors Prada, Coco, Osborne, George, and Day

2. Clerk to the Board (Sullivan)

Approval of the minutes of the October 26, 2015, regular meeting of the Board of Directors.

ACTION: Option 1: Approved as submitted.

MOTION CARRIED

Ayes: Directors Prada, Coco, Osborne, George, and Day

3. Office of the General Counsel (Cumpston)

Ratification of Resolution No. 2015-010, to maintain emergency declaration, and ratification of Stage 4 Drought Emergency for Outingdale.

ACTION: Option 1: Ratified Resolution No. 2015–010 (*thus maintaining the general drought emergency declaration for purposes of bidding, contracting, and CEQA compliance*), and ratified the Stage 4 Drought Emergency for Outingdale.

MOTION CARRIED

Ayes: Directors Prada, Coco, Osborne, George, and Day

4. Human Resources (Perez)

Consideration to adopt four updated resolutions fixing the Employer's Contribution under the Public Employees' Medical and Hospital Care Act for 2016 plan year for the following groups: The Association of El Dorado Irrigation District Employees, Supervisory and Professional Group, Contract and Management Group, and PERS Enrolled Directors Group.

ACTION: Option 1: Adopted updated Resolution Nos. 2015-022, 2015-023, 2015-024, and 2015-025, fixing the employer's contribution under the Public Employees' Medical and Hospital Care Act.

MOTION CARRIED

Ayes: Directors Prada, Coco, Osborne, George, and Day

5. Finance (Pasquarello)

Funding approval for District Capital Improvement Plan (CIP) Projects.

ACTION: Option 2: Took other action as directed by the Board.
Authorized funding for two CIP projects in the amount of \$94,147; SCADA Disaster Recovery Software, Project No. 15008 in the amount of \$29,147 and American River Bridge Pipeline, Project No. 15025 in the amount of \$65,000.

MOTION CARRIED

Ayes: Directors Day, Prada, Osborne, George, and Coco

ACTION: Option 2: Took other action as directed by the Board.
Authorized funding for one CIP project in the amount of \$50,000 for Main Ditch – Forebay to Res 1, Project No. 11032.

MOTION CARRIED

Ayes: Osborne, Coco, and George

Noes: Directors Prada and Day

6. Finance (Pasquarello)

Investment Report for the quarter ended September 30, 2015.

ACTION: Option 1: Received and filed the Investment Report for the quarter ended September 30, 2015.

MOTION CARRIED

Ayes: Directors Prada, Coco, Osborne, George, and Day

END OF CONSENT CALENDAR

INFORMATION ITEMS

7. Engineering (Deason)

Overview of the FERC C38.4B Caples Spillway Channel Stabilization Plan, Project No. 06076H.

ACTION: None – Information only.

ACTION ITEMS

8. Finance (Price)

Consideration of the 2015-2016 Mid-Cycle Operating Budget and the 2016-2020 Financial Plan.

Public Comment: Ed Willyard, El Dorado Hills
Darwin Throne, El Dorado Hills
Greg Boeger, Placerville
Doug Leisz, Placerville
Joe Fuller, Cameron Park
Kimberly Beal, Cameron Park
Craig Schmidt, Placerville
Renee Hargrove, El Dorado County Farm Bureau
Bill Bacchi

Clerk to the Board Sullivan reported that the District received three emails supporting option 1 of this item and one email requesting the Board to consider other options. Copies of each email were provided to all Board members.

MOTION: Motion by Director Osborne and seconded by Director Coco to approve option 1 to adopt the 2016 Mid-Cycle Operating Budget and the 2016-2020 Financial Plan, including the implementation of water and recycled water rate increases of 5, 5, 4, 3, 3% and 0, 5, 4, 3, 3% for wastewater rates, and revision of the Small Farm and Agriculture with Residence water rates to include Tier II potable water pricing; direct staff to issue a Proposition 218 notice for the proposed rate increases and changes.

MOTION: Substitute motion by Director Prada and seconded by Director Day to approve option 2 to take other action as directed by the Board and continue this item until after staff and Board has reviewed and adjusted the District's Facility Capacity Charges (FCCs).

MOTION FAILED

Ayes: Directors Prada and Day

Noes: Directors Osborne, George, and Coco

MOTION: Substitute motion by Director Day and seconded by Director Prada to approve option 2 to take other action as directed by the Board and adopt the 2016 Mid-Cycle Operating Budget; and continue all other items in option 1 (adoption of the 2016-2020 Financial Plan, implementation of water and recycled water rate increases of 5, 5, 4, 3, 3% and 0, 5, 4, 3, 3% for wastewater rates, and revision of the Small Farm and Agriculture with Residence water rates to include Tier II potable water pricing, direction to staff to issue a Proposition 218 notice for the proposed rate increases and changes) until after staff and Board has reviewed and adjusted the District's FCCs.

ACTION: Subsidiary motion by Director Osborne and seconded by Director Coco to 'call the question' which ends debate of this item and calls for an immediate vote. This motion requires a majority vote.

MOTION CARRIED

Ayes: Directors Osborne, Coco, and George

Noes: Directors Prada and Day

MOTION FAILED

Ayes: Directors Prada and Day

Noes: Directors Osborne, George, and Coco

ACTION: Option 1: Adopted the 2016 Mid-Cycle Operating Budget and the 2016-2020 Financial Plan, including the implementation of water and recycled water rate increases of 5, 5, 4, 3, 3% and 0, 5, 4, 3, 3% for wastewater rates, and revision of the Small Farm and Agriculture with Residence water rates to include Tier II potable water pricing; directed staff to issue a Proposition 218 notice for the proposed rate increases and changes.

MOTION CARRIED

Ayes: Directors Osborne, Coco, and George

Noes: Directors Prada and Day

9. Finance (Price)

Consideration to approve a resolution of the El Dorado Irrigation District authorizing the execution of an escrow agreement to fund a payment of \$3,000,000 for the Revenue Certificates of Participation, Series 2014A and approving certain acts in connection therewith and certain other matters.

ACTION: Option 1: Approved Resolution No. 2015-026 of the El Dorado Irrigation District authorizing the execution of an escrow agreement to fund a payment of \$3,000,000 for the Revenue Certificates of Participation, Series 2014A and approving certain acts in connection therewith and certain other matters.

MOTION CARRIED

Ayes: Directors Day, Prada, Osborne, George, and Coco

CLOSED SESSION

A. Closed session pursuant to Government Code section 54956.9(d)(1) (Poulsen)

Conference with Senior Deputy General Counsel – Existing Litigation: *Access Limited Construction v. Excavating Engineers, Inc. et al.*, El Dorado County Superior Court Case No. PC 20150331.

ACTION: On a motion by Director Prada, seconded by Director Osborne, and approved on a unanimous 5-0 vote, the Board authorized the continued retention of the Meyers Nave law firm to represent the District in the subject litigation.

REVIEW OF ASSIGNMENTS

None

ADJOURNMENT

President George adjourned the meeting at 1:01 P.M.

Bill George, President
Board of Directors
EL DORADO IRRIGATION DISTRICT

ATTEST:

Jennifer Sullivan
Clerk to the Board
EL DORADO IRRIGATION DISTRICT

Approved: _____

EL DORADO IRRIGATION DISTRICT

SUBJECT:

Ratification of Resolution No. 2015-010, to maintain emergency declaration, and ratification of change from Stage 4 Drought Emergency to Stage 2 Water Warning for Outingdale.

Board Action:

- February 4, 2014 – Board adopted Resolution No. 2014-006, declaring a drought emergency.
- February 10 and 24, March 10 and 24, April 14 and 28, 2014 – Board ratified Resolution No. 2014-006 to maintain the drought emergency.
- May 12, 2014 – Board adopted Resolution No. 2014-010, renewing and updating the emergency drought declaration.
- June 9, 2014 – Board adopted Resolution No. 2014-011, renewing and updating the emergency drought declaration, ratifying the General Manager’s declaration of a Stage 4 Drought Emergency in Outingdale, and ratifying the suspension of Clear Creek flow augmentation.
- June 13, 2014 – At a special meeting, Board authorized staff to increase releases to Clear Creek, using water stored in Jenkinson Lake, to provide approximately 2.0 cubic feet per second flows to ditch customers through July 15.
- June 23, July 14, July 28, August 11, August 25, September 8, October 14, 2014 – Board ratified Resolution No. 2014-011 to maintain the drought emergency.
- October 14, 2014 – Board adopted Resolution 2014-023, declaring an emergency for the repair of the Esmeralda Tunnel.
- October 27, November 10, December 8, 2014 – Board ratified Resolutions Nos. 2014-011 and 2014-023 to maintain the emergency declarations.
- January 12, January 26, February 9, February 23, March 9, 2015 – Board ratified Resolutions Nos. 2014-011 and 2014-023 to maintain the emergency declarations.
- March 23, 2015 – Board adopted Resolution No. 2015-010, renewing and updating the drought emergency declaration.
- April 13, 2015 – Board ratified Resolution No. 2015-010 to maintain the drought emergency declaration.
- May 11, May 26, June 8, June 22, July 13, August 10, August 24, September 14, October 13, October 26, November 9, 2015 – Board ratified Resolution No. 2015-010 to maintain the drought emergency declaration, and ratified the General Manager’s declaration of a Stage 4 Drought Emergency in Outingdale.

Board Policies (BP), Administrative Regulations (AR), and Board Authority:

Public Contract Code section 11102: An emergency is a sudden, unexpected occurrence that poses a clear and imminent danger, requiring immediate action to prevent or mitigate the loss or impairment of life, health, property, or essential public services.

Public Contract Code section 22050: The Board must ratify the existence of a declared emergency at each subsequent regular Board meeting by four-fifths vote, or the declared emergency is deemed to be terminated.

California Environmental Quality Act (CEQA) Guidelines section 15359: An emergency is a sudden, unexpected occurrence, involving a clear and imminent danger, demanding immediate action to prevent or mitigate loss of, or damage to life, health, property, or essential public services.

Public Resources Code section 21080(b)(4) and CEQA Guidelines section 15269(c): exempt from CEQA actions necessary to prevent or mitigate an emergency.

Summary of Issue:

Since February 4, 2014, the Board has taken the following actions to find and determine that the current drought conditions have continuously constituted an emergency:

- Unanimous adoption of Resolution No. 2014-006 on February 4, 2014;
- Unanimous ratification of that resolution at six subsequent regular Board meetings through April 28, 2014;
- Adoption of Resolution No. 2014-010 on May 12, 2014;
- Adoption of Resolution No. 2014-011 on June 9, 2014;
- Ratification of Resolution No. 2014-011 on June 23, July 14, July 28, August 11, August 25, September 8, October 14, October 27, November 10, and December 8, 2014, and January 12, January 26, February 9, February 23, and March 9, 2015;
- Adoption of Resolution No. 2015-010 on March 23, 2015; and
- Ratification of Resolution No. 2015-010 on April 13, May 11, May 26, June 8, June 22, July 13, August 10, August 24, September 14, October 13, October 26, and November 9, 2015.

For the emergency declaration to remain in effect, the Board must find (by four-fifths vote for bidding and contracting purposes) at each regular meeting that the need for emergency action still exists, which it can do by ratifying Resolution No. 2015-010.

Further, the Board must ratify any emergency action taken by District staff pursuant to the authority delegated by the resolutions at its next regular meeting after such action is taken. On November 19, 2015, the General Manager issued letters to all Outingdale customers, rescinding the Stage 4 Drought Emergency declaration for Outingdale and replacing it with the Stage 2 Water Warning designation applicable to the rest of the District. Staff is requesting Board ratification of that action. No other ratification of staff actions is required at this time.

Staff Analysis/Evaluation:

In Resolutions Nos. 2014-006, -010, -011, and 2015-010, the Board found and determined that the current drought conditions constituted an emergency within the meaning of and for the purposes of (among other enactments) Public Contract Code sections 11102, 22050(a)(2), and 20567, Public Resources Code section 21080(b)(4), and CEQA Guidelines sections 15269(c) and 15359. The Board's failure to adopt Resolution No. 2014-010 by four-fifths vote on May 12, 2014 and to ratify Resolution No. 2014-011 by four-fifths vote on July 28, 2014 terminated the declaration of emergency for purposes of the Public Contract Code. The Board's four-fifths votes to ratify on June 9 and August 11, 2014 reinstated the emergency for those purposes. The Board has subsequently adopted or ratified resolutions to keep the emergency continuously in effect.

It behooves the District to do what it can to address drought conditions affecting the District. Such activities may include advancing projects to protect or expand available water supplies, which the resolution expedites by authorizing staff to dispense with the delays inherent in the competitive bidding and environmental review processes, so that the Board can more quickly consider construction projects and contracts.

Updates on Drought Topics

On November 6, the State Water Resources Control Board (SWRCB) rescinded all water right curtailments (other than Term 91 curtailments) affecting both pre- and post-1914 water rights in the Sacramento and San Joaquin river basins and the Delta. Although this action was purportedly temporary and subject to change, regular storms since then have caused the SWRCB to stay the course. With seasonal demands now greatly diminished, it is safe to predict that curtailments will not resume, if at all, until next spring or summer.

Because of SWRCB action and the freshening of flows in the Middle Fork Cosumnes River, on November 19, 2015 the General Manager sent letters to all Outingdale customers, rescinding the Stage 4 Water Emergency and reinstating a Stage 2 Water Warning, consistent with the rest of the District. Staff is requesting that the Board ratify the General Manager's action at this time.

Meanwhile, on November 13, Governor Brown issued a new Executive Order (No. B-31-15), regarding the drought. The new order proclaimed a continuing state of emergency statewide, and maintained in effect all provisions of his prior orders, with a few modifications. The modification of greatest interest was a provision directing the SWRCB to extend conservation regulations until October 31, 2016, if (as almost certainly will be the case) drought conditions persist through January 2016. The Governor did grant the SWRCB authority to modify the conservation regulations currently in place "to address uses of potable and non-potable water, as well as to incorporate insights gained from existing restrictions."

As previously reported, the SWRCB has in fact been working for several months on replacements for the emergency water conservation regulations that expire at the end of February, 2016, and was scheduled to hold a workshop on the topic on December 7. The District submitted a comment letter and staff testified at the workshop. The replacement regulations should be released very soon.

Aside from the General Manager's action regarding Outingdale, staff has taken no emergency actions since the November 9, 2015 meeting that require ratification at this time. Please refer to the staff report for the September 8, 2014 ratification of the emergency declaration for an explanation of the General Manager's contracting authority in a declared emergency.

Board Decisions/Options:

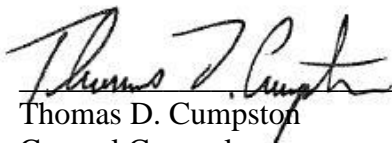
- Option 1:** Ratify Resolution No. 2015-010 (*thus maintaining the general drought emergency declaration for purposes of bidding, contracting, and CEQA compliance*), and ratify the change from Stage 4 Drought Emergency to Stage 2 Water Warning for Outingdale.
- Option 2:** Decline to ratify Resolution No. 2015-010 (*thus terminating the general drought emergency declaration for purposes of bidding, contracting and CEQA compliance*), but ratify the change from Stage 4 Drought Emergency to Stage 2 Water Warning for Outingdale.
- Option 3:** Take no action (*thus terminating the general drought emergency declaration for purposes of bidding, contracting and CEQA compliance, and reinstating the Stage 4 Drought Emergency in Outingdale*).

Staff/General Manager's Recommendation:

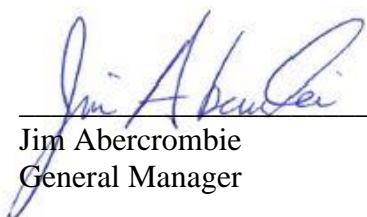
Option 1 (four-fifths vote required for purposes of bidding and contracting).

Support Document Attached:

Attachment A: Resolution 2015-010



Thomas D. Cumpston
General Counsel



Jim Abercrombie
General Manager

1 RESOLUTION OF THE BOARD OF DIRECTORS OF
2 EL DORADO IRRIGATION DISTRICT
3 CONTINUING ITS DECLARATION OF A STAGE 2 WATER WARNING
4 AND THE EXISTENCE OF AN EMERGENCY

5 OPERATIVE FACTS

6 WHEREAS, El Dorado Irrigation District (District) has experienced dry conditions since
7 2012, with unimpaired runoff in the American River basin of 74% of normal in 2012, 41% of
8 normal in 2013, and 32% of normal in 2014; and

9
10 WHEREAS, 2013 was the driest calendar year on record in California, and water year
11 2014 was the third-driest water year on record in California; and

12 WHEREAS, January 2015 was the driest, and January 2013 was the third-driest, January
13 on record in California; and

14 WHEREAS, as of March 10, 2015, the United States Drought Monitor stated that all of
15 El Dorado County and two-thirds of California were an extreme or exceptional drought
16 condition; and

17
18 WHEREAS, as of March 12, 2015, snow water content in the American River basin was
19 6% of normal for March 1 and 5% of normal for April 1, according to the state Department of
20 Water Resources (DWR); and

21
22 WHEREAS, the District's March 2015 manual readings of snow water content for the
23 Caples Lake watershed averaged 22% of normal, and about one-third of the snow water content
24 readings in March 2014; and

1 **WHEREAS**, the United States Bureau of Reclamation (Reclamation) has stated that it
2 will deliver no more than the greater of public health and safety needs or 25% of adjusted
3 historical average deliveries of Central Valley Project water to Municipal and Industrial
4 contractors such as the District; and
5

6 **WHEREAS**, Jenkinson Lake, the District's largest source of supply at 41,033 acre-feet
7 capacity, is unlikely to fill in 2015 despite the importation of more than 8,000 acre-feet of water
8 through the Hazel Tunnel in 2013 and 2014, and the planned importation of an additional 6,000
9 acre-feet in 2015; and
10

11 **WHEREAS**, on January 17, 2014, Governor Edmund G. Brown Jr. proclaimed a state of
12 emergency in California due to drought conditions, and on April 25, 2014, the Governor
13 proclaimed a continued state of emergency for the same reason; and
14

15 **WHEREAS**, the Governor's two proclamations made findings that included the
16 following:

- 17 • California's water supplies continue to be severely depleted;
- 18 • Extremely dry conditions have persisted since 2012 and the duration of this
19 drought is unknown;
- 20 • Among the urgent challenges presented by the severe drought conditions is
21 additional water scarcity if the conditions continue (as they have) into 2015;
- 22 • The magnitude of the severe drought conditions continues to present threats
23 beyond the control of the services, personnel, equipment, and facilities of any
24 single local government;
25
26
27
28

- Conditions of extreme peril to the safety of persons and property exist in California due to water shortage and drought conditions with which local authority is unable to cope; and

WHEREAS, the Governor’s emergency proclamations included the following directives:

- Californians are called on to reduce their water usage by 20 percent;
- Local urban water suppliers are called on to implement their local water shortage contingency plans immediately to avoid or forestall outright restrictions that could become necessary later in the drought season;
- California residents should refrain from wasting water and in particular should:
 - Avoid using water to clean sidewalks, driveways, parking lots and other hardscapes;
 - Turn off fountains and other decorative water features unless they use recycled or grey water;
 - Limit home vehicle washing by patronizing local carwashes that recycle water;
 - Limit outdoor watering of lawns and landscaping to not more than two times a week;
- Recreational facilities such as parks and golf courses and large institutional complexes, such as school and business parks, should immediately implement water reduction plans to reduce the use of potable water for outdoor irrigation;
- Hotels and restaurants should reduce water usage and increase public awareness of the drought by offering drinking water only upon request and providing customers with options to avoid daily washing of towels or sheets;

- Architectural and landscaping provisions of a common interest development that prohibit compliance with any local or state water conservation measures, such as landscaping installation or maintenance requirements, are void and unenforceable; and

WHEREAS, in July 2014 the Water Board adopted emergency regulations requiring local agencies to adopt mandatory conservation measures, and on March 10, 2015 Water Board staff proposed that the Water Board re-adopt all 2014 measures, plus additional mandatory conservation measures on March 17, 2015; and

WHEREAS, in May 2014 the Water Board issued mandatory curtailment notices affecting virtually all post-1914 consumptive water rights, on January 23, 2015 the Water Board sent a notice of potential curtailment of diversions of all water rights in 2015 to the District and other water rights holders in California, and on February 4, 2015 the Water Board issued an Information Order to the District and other holders of riparian and pre-1914 water rights in California, requiring proof of those rights' validity, reporting of their use in 2014, projections of 2015 use, and monthly updates of actual 2015 use; and

APPLICABLE LAW, REGULATION, AND POLICY

WHEREAS, Public Resources Code section 21080(b)(4) and CEQA Guidelines section 15269(c) exempt from CEQA any actions that are necessary to prevent or mitigate an emergency; and

WHEREAS, CEQA Guidelines section 15359 defines "emergency" as "a sudden, unexpected occurrence, involving a clear and imminent danger, demanding immediate action to prevent or mitigate loss of, or damage to life, health, property, or essential public services;" and

1 **WHEREAS**, beginning on February 4, 2014, the Board has adopted or ratified resolutions
2 declaring and maintaining continuously in place an emergency and a Stage 2 Water Warning due
3 to drought conditions; and
4

5 **WHEREAS**, the Board adopted the staff-prepared Drought Action Plan on February 4,
6 2014, and approved revisions to the Drought Action Plan on April 14, 2014 and now wishes to
7 approve further revisions to the Drought Action Plan;

8 **NOW, THEREFORE, BE IT AND IT IS HEREBY RESOLVED** by the Board of
9 Directors of the El Dorado Irrigation District (Board) as follows:
10

- 11 1. The Board concurs with and adopts the findings of the Governor's January 17 and
12 April 25, 2014 emergency proclamations.
- 13 2. The Board approves the further revised Drought Action Plan as separately adopted
14 by Board motion on March 23, 2015.
- 15 3. The Board renews and continues a Stage 2 Water Warning.
- 16 4. The Board finds and declares that the current drought conditions constitute an
17 emergency within the meaning of CEQA Guidelines section 15359, Public
18 Contracts Code section 11102, District Board Policy 2050, and District
19 Administrative Regulation 3061.1, subdivision g.
- 20 5. The Board finds and declares that the adoption of this Resolution and all of the
21 delegations, authorizations, and directions to the General Manager and District
22 staff specified in paragraph 7, below, satisfy the requirements and criteria of
23 Public Resources Code section 21080(b)(4), CEQA Guidelines section 15269(c),
24 and Public Contract Code sections 22050(a)(2) and 20567.
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- 1 6. The foregoing findings and declarations are based upon all written, oral, and
2 visual evidence, including both facts and professional opinions, presented to the
3 Board at the meetings of February 4, 10, and 24, March 10 and 24, and April 2,
4 14, and 28, May 12, and June 9, 2014, March 9, 2015, and at the hearing of this
5 Resolution.
6
- 7 7. The Board hereby delegates, authorizes, and directs the District General Manager
8 and his designees to take all actions reasonably deemed necessary to respond to
9 the emergency conditions declared herein, including but not limited to the
10 following specific actions:
11
 - 12 a. Pursue a new proposal with the Water Board for a temporary modification of
13 the minimum instream flow requirements prescribed for the Deer Creek
14 Wastewater Treatment Plant by Water Rights Order No. WR 95-9, to again
15 minimize potable water supplementation of the recycled water system in 2015.
16
 - 17 b. Continue consultation with and obtain all necessary regulatory approvals from
18 the Federal Energy Regulatory Commission, U.S. Forest Service, Water
19 Board, the California Department of Fish and Wildlife, and members of the
20 Project 184 Ecological Resources Committee for temporary variances to
21 Project 184's instream flow requirements as necessary to enhance and
22 conserve Project 184 water storage for consumptive water supplies and future
23 instream flows for as long as drought conditions persist.
24
 - 25 c. Implement all Stage 2 drought actions detailed in Exhibit A.
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- d. Enter into professional services and construction contracts as reasonably deemed necessary to expedite the preservation and enhancement of water supply availability for the District’s customers.
- e. Report to and seek ratification of the Board for any actions taken in excess of normal authority or authority expressly granted by this Resolution, at the first regular Board meeting held after each such action.
- f. Continue to report to the Board at least monthly, and more often if necessary, on the current status of the drought conditions, responsive actions taken, weekly water usage data, and the need, if any, for further Board actions, including a Stage 3 drought declaration and the declaration of a Stage 4 water supply emergency.

8. This Resolution shall take effect immediately upon adoption. Subject to the ratification required by Public Contract Code sections 22050(b)(3), (c)(1), and (c)(2), and by District Administrative Regulation 3061.1, subdivision g, this Resolution shall remain in full force and effect until rescinded by a subsequent Resolution of the Board of Directors.

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1 The foregoing Resolution was introduced at a special meeting of the Board of Directors of the
2 EL DORADO IRRIGATION DISTRICT held on the 23rd day of March, 2015 by Director
3 Osborne, who moved its adoption. The motion was seconded by Director Day, and a poll vote
4 was taken which stood as follows:

5 AYES: Directors Osborne, Coco, Prada, George, and Day

6 NOES:


7 ABSTAIN:

8 ABSENT:

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

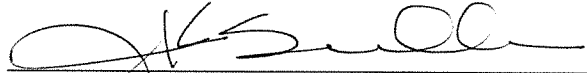
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14 
15 Bill George
16 President, Board of Directors of
17 EL DORADO IRRIGATION DISTRICT

18 ATTEST:

19 
20 Jennifer Sullivan
21 Clerk to the Board

22 (SEAL)
23
24
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1 I, the undersigned, Clerk to the Board of the EL DORADO IRRIGATION DISTRICT hereby
2 certify that the foregoing resolution is a full, true and correct copy of a Resolution of the Board of
3 Directors of the EL DORADO IRRIGATION DISTRICT entered into and adopted at a special
4 meeting of the Board of Directors held on the 23rd day of March, 2015.
5
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7



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9 Jennifer Sullivan
10 Clerk to the Board
11 EL DORADO IRRIGATION DISTRICT
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EL DORADO IRRIGATION DISTRICT

Subject:

Proposed 2016 Board meeting schedule, rescheduling Board meetings that either fall on legal holidays or present scheduling conflicts.

Previous Board Action:

Regular Board meeting dates have been rescheduled yearly to accommodate legal holidays and scheduling conflicts.

Board Policies (BP), Administrative Regulations (AR) and Board Authority:

AR 12081(a) states that regular meetings shall generally be held on the second and fourth Monday of each month at 2890 Mosquito Road, Placerville, California starting at 9:00 A.M. in open session. When the date falls on a legal holiday, the meeting shall be specified in advance by the Board.

Summary of Issue(s):

Five regular Board meeting dates for the Year 2016 fall on legal holidays, or present scheduling conflicts.

Monday, May 23	Schedule conflicts
Monday, July 11	Schedule conflicts
Monday, October 10	Holiday
Monday, November 28	Schedule conflicts
Monday, December 26	Holiday

Analysis/Evaluation:

Because of legal holidays and scheduling conflicts, and to ensure full Board attendance at 2016 Board meetings, the attached Board meeting dates are proposed.

Board Decision/Options:

Option 1: Adopt the proposed 2016 Board meeting schedule, rescheduling Board meetings that fall on either legal holidays or present scheduling conflicts.

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

Option 3: Take no action.

Recommended Action:

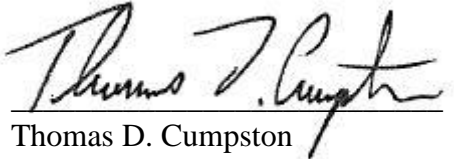
Option 1.

Support Documents Attached:

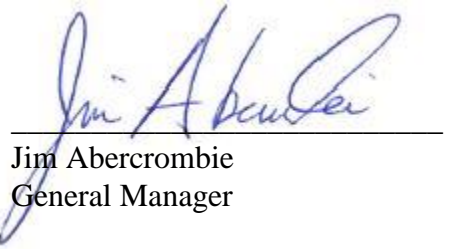
A. 2016 proposed Board meeting schedule



Jennifer Sullivan
Clerk to the Board



Thomas D. Cumpston
General Counsel



Jim Abercrombie
General Manager

2016 PROPOSED BOARD MEETINGS

January						
S	M	T	W	T	F	S
					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	28	29	30
31						

February						
S	M	T	W	T	F	S
	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
28	29					

March						
S	M	T	W	T	F	S
		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	28	29	30	31		

April						
S	M	T	W	T	F	S
					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	28	29	30

May						
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8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

June						
S	M	T	W	T	F	S
			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	28	29	30		

July						
S	M	T	W	T	F	S
					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	28	29	30
31						

August						
S	M	T	W	T	F	S
	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
28	29	30	31			

September						
S	M	T	W	T	F	S
				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	28	29	30	

October						
S	M	T	W	T	F	S
						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	28	29
30	31					

November						
S	M	T	W	T	F	S
		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	28	29	30			

December						
S	M	T	W	T	F	S
				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	28	29	30	31

 Board Meeting
 Holiday

EL DORADO IRRIGATION DISTRICT

SUBJECT:

Consideration of three Purchase and Sale Agreements to transfer surplus District properties.

Board Action:

- October 11, 2011 – Board adopted Resolution No. 2011-018, declaring 31 parcels of District-owned real property to be surplus to District needs, and authorized staff to formulate and implement a disposition strategy.
- August 11, 2014 – Board held a closed session regarding the surplus real properties.

Board Policies (BP), Administrative Regulations (AR), and Board Authority:

Water Code section 22500 authorizes the conveyance of District property when the Board determines by resolution that the property is no longer necessary for District purposes.

Government Code sections 54200 – 54232 require the District to first offer to sell or lease most surplus properties to certain government agencies, for specified purposes.

BP 3050 states that the District will be run in a fiscally responsible and prudent manner.

Summary of Issue:

The District holds a number of parcels of real property that have been declared surplus to the District's needs. A significant number of them (but a small fraction of the total acreage) are small parcels that are undevelopable and unmarketable, and realistically have value only to larger parcels that adjoin them. Meanwhile, they constitute potential liabilities for the District.

In response to inquiries, owners of property adjoining three of these small "orphan" parcels have agreed to take title to them without any warranties of title or condition, and to bear all costs of the transfer. General Counsel recommends that the Board approve Purchase and Sale Agreements for the transfer of these three properties, and authorize the General Manager to execute the agreements and take all other necessary actions, upon approval as to form by General Counsel, to effectuate the property sale.

Staff Analysis/Evaluation:

About a quarter of the parcels designated as surplus to District needs in Resolution 201-018 are small holdings that once housed District facilities such as pump stations, but are no longer used. They are not independently developable and realistic have value only as additions to larger parcels that adjoin them.

Following closed-session discussions with the Board in August 2014, General Counsel has begun contacting neighboring parcel owners to offer them the surplus properties. When these “orphan” parcels are potentially useful to more than one adjoining parcel, General Counsel contacts all adjoining property owners and attempts to solicit competitive bids for the property. Also, when a transfer might increase the development potential of an adjoining parcel (for example, by allowing a lot split), General Counsel seeks to negotiate a purchase price. Otherwise, the parcels are offered to the adjoining owner for no compensation, but the owner must agree to accept the property “as is,” with no warranties as to title or physical characteristics; agree to bear all costs of the transaction; and agree to release the District from, and defend, indemnify, and hold it harmless against, all claims related in any way to title or physical characteristics, including the potential presence of hazardous materials.

The three Purchase and Sale Agreements before the Board today reflect these terms. Each includes an Assessor’s map and legal description showing the surplus parcel and surrounding area, and identifies the party acquiring the parcel.

The properties proposed for transfer today are as follow:

- Assessor’s Parcel No. (APN) 079-160-68, a 0.18-acre parcel at the corner of Sly Park Road and Cedarwood Lane near Jenkinson Lake. This is a developed residential area of parcels generally ranging from one-half to one acre in size. Two adjoining owners were contacted; only one wanted to acquire the parcel.
- APN 317-240-08, a 0.34-acre parcel on Dragon Springs Road near Greenstone Country. This is a developed residential area of five-acre parcels. The lands of the owner who would acquire this parcel almost completely surround it.
- APN 323-530-03, a 0.04-acre parcel off of Bryan Way, just northwest of the Placerville City limits along Highway 49. This is a developed residential area of predominantly one-acre parcels. Two adjoining owners were contacted, and both initially expressed interest, but after follow-up communications soliciting competitive bids, one owner withdrew.

Transferring these properties will rid the District of real property that no longer serves any District purpose, has no real market value, and poses potential liability for the District as landowner. The District will bear no expense in the transfers, and the acquiring landowners will immunize the District against any future liability arising from its prior ownership. The transfers are consistent with prior Board direction. General Counsel therefore recommends that that the Board approve Purchase and Sale Agreements for the transfer of these four properties, and authorize the General Manager to execute the agreements and take all other necessary actions, upon approval as to form by General Counsel, to effectuate the property sale.

To complete these transfers, the District must also comply with the California Environmental Quality Act (CEQA). Staff has determined that these transactions fall within a Class 12 CEQA Categorical Exemption for the sale of surplus government lands (CEQA Guidelines § 15312), and that none of the exceptions to this exemption were applicable (see CEQA Guidelines § 15300.2). If the Board approves the Agreements, staff will file a Notice of Exemption from CEQA with the El Dorado County Clerk-Recorder's Office.

Board Decisions/Options:

Option 1: Approve three Purchase and Sale Agreements to transfer APNs 079-160-68, 317-240-08, and 323-530-03 to adjoining property owners; authorize the General Manager to execute the agreement and take all other necessary actions, upon approval as to form by General Counsel, to effectuate the property sale.

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

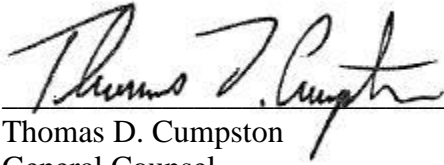
Option 3: Take no action.

Staff/General Manager's Recommendation:

Option 1.

Attachments:

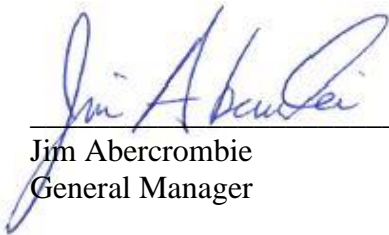
- A. Purchase and Sale Agreement for APN 079-160-68
- B. Purchase and Sale Agreement for APN 317-240-08
- C. Purchase and Sale Agreement for APN 323-530-03



Thomas D. Cumpston
General Counsel



Dan Corcoran
Environmental Manager



Jim Abercrombie
General Manager

**PURCHASE AND SALE AGREEMENT
FOR SURPLUS PROPERTY**

This Purchase and Sale Agreement for Surplus Property (“Agreement”) is made as of October 26, 2015 (the “Effective Date”), between El Dorado Irrigation District, a California special district (“Seller”), and David Rydquist, an individual (“Buyer”).

RECITALS

Seller owns real property consisting of approximately 0.18 acre identified as El Dorado County Assessor’s Parcel Number 079-160-68 (“Property”), which Seller has previously determined to be surplus to its needs.

The size, location, and other physical characteristics of the Property make it valuable only to an adjoining parcel owner, such as Buyer.

Seller wishes to sell and Buyer wishes to buy the Property on the terms and conditions stated herein.

NOW, THEREFORE, the parties agree as follows:

ARTICLE 1. PURCHASE AND SALE OF PROPERTY

Seller shall sell the Property to Buyer and Buyer shall purchase the Property from Seller on the terms and conditions stated in this Agreement. Transfer shall be made by the recordation of an executed Grant Deed in substantially the form attached hereto as Exhibit A.

ARTICLE 2. NO PURCHASE PRICE

There shall be no purchase price for the sale of the Property.

ARTICLE 3. NO ESCROW

There shall be no escrow for the sale of the Property.

ARTICLE 4. CLOSING COSTS AND PRORATIONS

Buyer shall pay any transfer taxes on recordation of the deed. Buyer shall pay all recording fees and the premium for any policy of title insurance that Buyer, in Buyer’s sole discretion, chooses to purchase for the Property. Prorations of real property taxes and assessments, rents, interest, and other expenses of the Property shall be prorated as of the date of recordation of the deed.

ARTICLE 5. “AS-IS” SALE

Buyer and Seller agree that Buyer is purchasing the Property in “as-is” condition. Seller makes no representations, warranties, or covenants whatsoever in connection with the Property, the sale,

PURCHASE AND SALE AGREEMENT FOR SURPLUS PROPERTY

or any matter associated with either, including but not limited to the Property's title or physical characteristics. Buyer acknowledges that it has not relied upon any representations by Seller with respect to the title or physical characteristics of the Property. Buyer has satisfied itself concerning all such issues.

ARTICLE 6. NO CONDITIONS

There shall be no conditions precedent or concurrent to Buyer's obligation to purchase, nor Seller's obligation to sell, the Property, and no closing conditions for the sale.

ARTICLE 7. BUYER'S REPRESENTATIONS, WARRANTIES AND COVENANTS

Buyer hereby represents and warrants to Seller as of the Effective Date the following.

(i) Buyer has full power and authority to enter into this Agreement and any other documents contemplated by this Agreement and to assume and perform all of Buyer's obligations hereunder; the persons executing this Agreement and any other documents contemplated by this Agreement on behalf of Buyer have been authorized and empowered to bind Buyer thereto; and this Agreement is, and each instrument and document to be executed by Buyer hereunder shall be, a valid, legally binding obligation of Buyer enforceable against Buyer in accordance with its terms;

(ii) Buyer has retained all professionals and other consultants as Buyer deemed necessary and Buyer has made and conducted all such physical and other investigations, whether personally or through contractors, engineers, or other experts, as Buyer deems necessary to make Buyer fully informed as to all conditions, physical or otherwise, of the Property;

and

(iii) Buyer covenants and agrees with Seller that (a) the costs and expenses of Buyer's investigations made pursuant to the terms of this Agreement shall be borne solely by Buyer. In the event that the transaction contemplated by this Agreement does not close for any reason, Buyer shall restore the Property to its condition prior to Buyer's entry. Buyer shall indemnify, defend by counsel reasonably acceptable to Seller and hold Seller harmless from and against any and all losses, claims, causes of action, damages and expenses (including reasonable attorney's fees and court costs) caused by, incident to, resulting from, or in any way arising out of any such presence by Buyer, its agents or representatives on the Property or any test or inspection conducted by any of them with respect to the Property. Such indemnity shall survive termination of this Agreement and the sale of the Property.

ARTICLE 8. SELLER'S DISCLAIMERS

The property and the fixtures and personal property contained therein, if any, are not new, and have been subject to normal wear and tear. Buyer understands that Seller makes no express or implied warranty with respect to the condition of any of the Property, fixtures or personal

PURCHASE AND SALE AGREEMENT FOR SURPLUS PROPERTY

property. Seller makes no oral or written representation regarding the age of improvements, the size and square footage of the parcel or building, or the location of property lines. Apparent boundary line indicators such as driveways, fences, hedges, walls, or other barriers may not represent the true boundary lines. Only a surveyor can determine the actual boundary lines. If any of these issues are important to Buyer's decision to purchase, then Buyer should investigate the Property independently.

ARTICLE 9. RELEASE OF CLAIMS AND INDEMNIFICATION

As an essential valuable consideration for Seller's agreement to sell the Property, Buyer, its successors and assigns, hereby releases and forever discharges Seller from, and agrees to defend (with counsel reasonably acceptable to Seller), indemnify, and hold Seller harmless from and against any and all losses, claims, demands, causes of action, rights, damages, costs, expenses, and liabilities of any nature, known or unknown, arising out of or related in any way to the title or physical characteristics of the Property, including but not limited to the presence of hazardous materials on, beneath, or from the Property.

With respect to the terms of this Article, Buyer knowingly, voluntarily and expressly waives any and all rights and benefits otherwise conferred by the provisions of Section 1542 of the California Civil Code, which states as follows: "A general release does not extend to claims which the creditor does not know or suspect to exist in his favor at the time of executing the release which, if known by him, must have materially affected his settlement with the debtor."

ARTICLE 10. MISCELLANEOUS

- a. Time of Essence. Time is of the essence of every provision of this Agreement.
- b. Attorney's Fees. If any legal action or other action is commenced to enforce or interpret any provision of this Agreement, the prevailing party shall be entitled to recover its reasonable attorney's fees and court costs incurred.
- c. Successors and Assigns. This Agreement shall be binding upon the heirs, executors, administrators, successors and assigns of Seller and Buyer. Buyer may assign its rights hereunder to any entity, provided, however, that such assignment shall not relieve Buyer of any of its obligations hereunder.
- d. Captions. Article and subparagraph titles or captions contained in this Agreement are inserted as a matter of convenience and for reference, and in no way define, limit, extend or describe the scope of this Agreement.
- e. Counterparts. This Agreement may be executed in any number of counterparts, each of which when executed and delivered shall be deemed to be an original and all of which counterparts taken together shall constitute but one and the same instrument. Duplicate unexecuted pages of each counterpart may be discarded and the remaining pages assembled as one document. Counterparts bearing a party's signature which are transmitted by facsimile and received by the other party hereto shall be deemed

PURCHASE AND SALE AGREEMENT FOR SURPLUS PROPERTY

executed original counterparts. The party transmitting an executed counterpart via facsimile shall deliver an ink signed counterpart within a reasonable time thereafter.

- f. Further Assurances. Buyer and Seller shall make, execute, and deliver such documents and undertake such other and further acts as may be reasonably necessary to carry out the intent of the parties hereto.
- g. Governing Law. This Agreement shall be governed by, and construed in accordance with the laws of the State of California without regard to the conflicts of law provisions thereof.
- h. Entire Agreement. This Agreement embodies the entire agreement between Buyer and Seller in connection with this transaction. This Agreement cannot be modified except in writing signed by all parties.
- i. Severability. If any provision of this Agreement is held invalid or unenforceable by any court of final jurisdiction, it is the intent of the parties that all the other provisions of this Agreement be construed to remain fully valid, enforceable and binding on the parties.
- j. Survival of Representations and Warranties. All covenants, representations, warranties, and other agreements under this Agreement shall survive the Close of Escrow.
- k. Waiver. No breach of any provision of this Agreement can be waived unless in writing. Waiver of any one breach of a provision hereof shall not be deemed to be a waiver of any other breach of the same or any other provision, including the time for performance of any such provision. The exercise by a party of any remedy provided in this Agreement or at law shall not prevent the exercise by that party of any other remedy provided in this Agreement or at law.
- l. Arbitration of Disputes. Any dispute or claim in law or equity between Buyer and Seller arising out of this Agreement shall be decided by neutral, binding arbitration and not by court action, except as provided by California law on judicial review of arbitration proceedings. The arbitration shall be conducted in accordance with the rules of the American Arbitration Association (“AAA”) commercial rules. The arbitration shall be conducted in accordance with Part III, Title 9 of the California Code of Civil Procedure. Judgment upon the award rendered by the arbitrator may be entered in any Court having jurisdiction thereof. The parties shall have the right to discovery in accordance with Code of Civil Procedure § 1283.05.
- m. No Third Party Beneficiaries. Nothing in this Agreement, express or implied, is intended to confer any rights or remedies under or by reason of this Agreement on any person other than the parties to it and their respective permitted successors and assigns, nor is anything in this Agreement intended to relieve or discharge any obligation of any third person to any party hereto or give any third person any right of subrogation or action over against any party to this Agreement.

PURCHASE AND SALE AGREEMENT FOR SURPLUS PROPERTY

IN WITNESS WHEREOF, the parties have executed this Agreement as of the Effective Date.

BUYER:

By: , an individual
David Rydquist

SELLER:

EL DORADO IRRIGATION DISTRICT, a California special district

By: _____
Jim Abercrombie
Its: _____
General Manager

ATTEST:

By: _____
Clerk to the Board

APPROVED:

By: _____
Attorney

<p>RECORDING REQUESTED BY AND WHEN RECORDED MAIL TO:</p> <p>Patricia A. Johnson, Paralegal El Dorado Irrigation District 2890 Mosquito Road Placerville, CA 95667</p> <p>EXEMPT FROM RECORDING FEES PURSUANT TO GOVERNMENT CODE SECTION 27383</p>	<p>SPACE ABOVE FOR RECORDER'S USE</p>
--	---------------------------------------

APN: 079-160-68

GRANT DEED

The undersigned Grantor declares: El Dorado Irrigation District, a public agency, is exempt from property taxes. Documentary transfer tax is \$0.00.

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, the EL DORADO IRRIGATION DISTRICT, a public agency, hereby GRANTS to DAVID RYDQUIST, an individual, the following described real property in the City of Placerville, County of El Dorado, State of California, without covenant or warranty. [See Exhibit A attached.]

EL DORADO IRRIGATION DISTRICT

By: _____ Date: _____
 Bill George
 President of the Board of Directors

By: _____ Date: _____
 Jim Abercrombie
 General Manager / Secretary

NOTARY ACKNOWLEDGMENT ATTACHED

EXHIBIT A

All that real property situated in the County of El Dorado, State of California, described as follows:

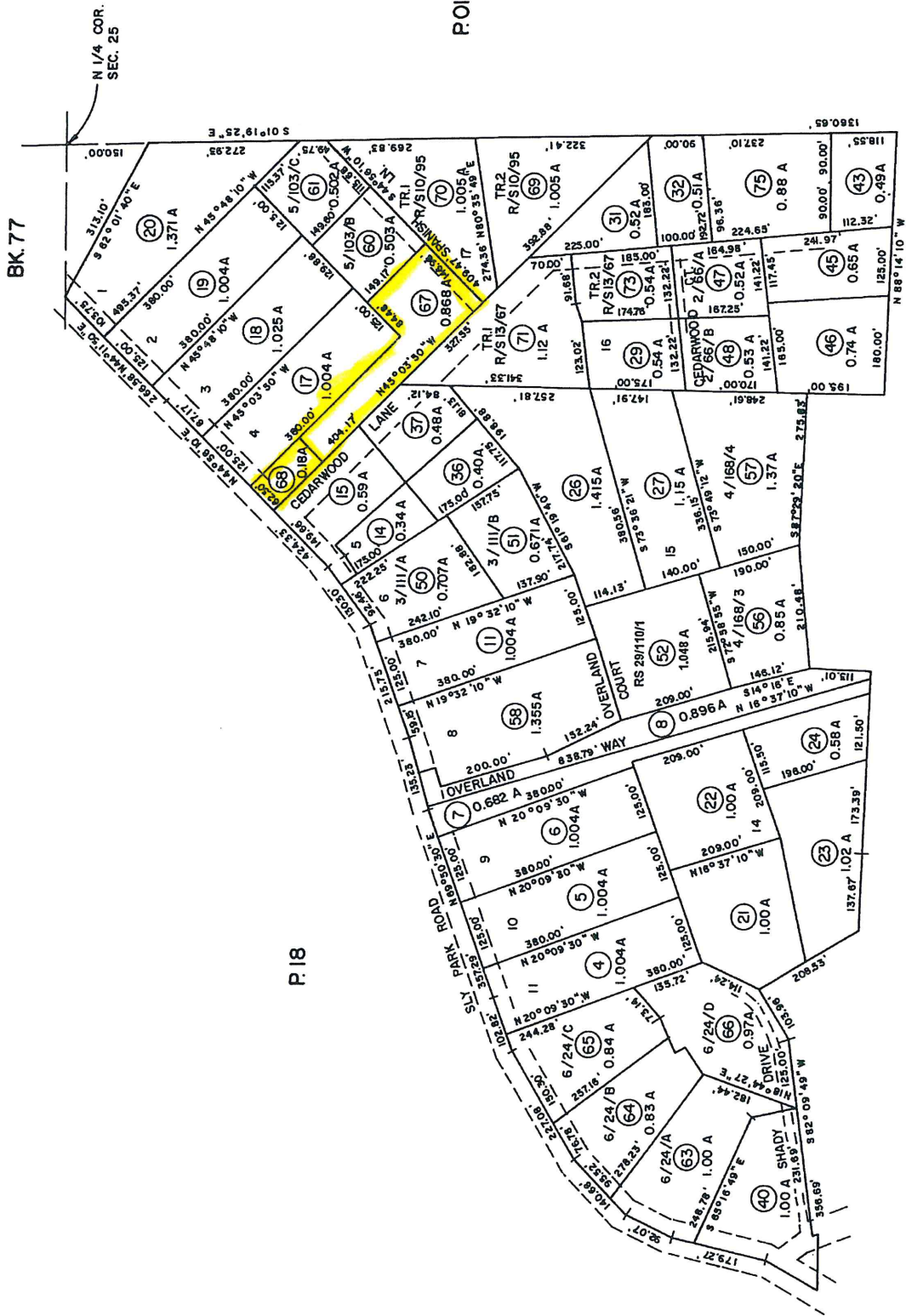
A portion of Tract 17, as said tract is shown upon that certain Record of Survey Map, recorded December 27, 1960, in Book 1 of Record of Surveys, in the El Dorado County Recorder's Office, at Page 123, described as follows:

BEGINNING at the northwest corner of said parcel a point on the Southerly right-of-way of Sly Park Road, from which the Northwest corner of Section 25, Township 10 North, Range 12 East, M.D.M. bears North $76^{\circ}48'06''$ West 1664.02 feet; thence from said point of beginning along said right-of-way North $44^{\circ}56'10''$ East 62.50 feet; thence leaving said right-of-way South $45^{\circ}03'50''$ East 125.00 feet; thence South $44^{\circ}56'10''$ West 62.50 feet; thence North $45^{\circ}03'50''$ West 125.00 feet to the point of beginning, containing 0.18 acres.

POR. NW1/4 SEC. 25., T.10N., R.12E., M.D.M.
R/S 1/123

Tax Area Code

7



Assessor's Map Bk. 79 -- Pg. County of El Dorado, California.

NOTE -- Assessor's Block Numbers Shown in Ellipses Assessor's Parcel Numbers Shown in Circles

THIS MAP IS NOT A SURVEY, it is prepared by the El Dorado Co. Assessor's office for assessment purposes only.

**PURCHASE AND SALE AGREEMENT
FOR SURPLUS PROPERTY**

This Purchase and Sale Agreement for Surplus Property ("Agreement") is made as of October 26, 2015, 2015 (the "Effective Date"), between El Dorado Irrigation District, a California special district ("Seller"), and Michael and Patricia Thomsen, Husband and Wife, as Joint Tenants ("Buyers").

RECITALS

Seller owns real property consisting of approximately 0.34 acre identified as El Dorado County Assessor's Parcel Number 317-240-08 ("Property"), which Seller has previously determined to be surplus to its needs.

The size, location, and other physical characteristics of the Property make it valuable only to an adjoining parcel owner, such as Buyer.

Seller wishes to sell and Buyer wishes to buy the Property on the terms and conditions stated herein.

NOW, THEREFORE, the parties agree as follows:

ARTICLE 1. PURCHASE AND SALE OF PROPERTY

Seller shall sell the Property to Buyer and Buyer shall purchase the Property from Seller on the terms and conditions stated in this Agreement. Transfer shall be made by the recordation of an executed Grant Deed in substantially the form attached hereto as Exhibit A.

ARTICLE 2. NO PURCHASE PRICE

There shall be no purchase price for the sale of the Property.

ARTICLE 3. NO ESCROW

There shall be no escrow for the sale of the Property.

ARTICLE 4. CLOSING COSTS AND PRORATIONS

Buyer shall pay any transfer taxes on recordation of the deed. Buyer shall pay all recording fees and the premium for any policy of title insurance that Buyer, in Buyer's sole discretion, chooses to purchase for the Property. Prorations of real property taxes and assessments, rents, interest, and other expenses of the Property shall be prorated as of the date of recordation of the deed.

PURCHASE AND SALE AGREEMENT FOR SURPLUS PROPERTY

ARTICLE 5. "AS-IS" SALE

Buyer and Seller agree that Buyer is purchasing the Property in "as-is" condition. Seller makes no representations, warranties, or covenants whatsoever in connection with the Property, the sale, or any matter associated with either, including but not limited to the Property's title or physical characteristics. Buyer acknowledges that it has not relied upon any representations by Seller with respect to the title or physical characteristics of the Property. Buyer has satisfied itself concerning all such issues.

ARTICLE 6. NO CONDITIONS

There shall be no conditions precedent or concurrent to Buyer's obligation to purchase, nor Seller's obligation to sell, the Property, and no closing conditions for the sale.

ARTICLE 7. BUYER'S REPRESENTATIONS, WARRANTIES AND COVENANTS

Buyer hereby represents and warrants to Seller as of the Effective Date the following.

(i) Buyer has full power and authority to enter into this Agreement and any other documents contemplated by this Agreement and to assume and perform all of Buyer's obligations hereunder; the persons executing this Agreement and any other documents contemplated by this Agreement on behalf of Buyer have been authorized and empowered to bind Buyer thereto; and this Agreement is, and each instrument and document to be executed by Buyer hereunder shall be, a valid, legally binding obligation of Buyer enforceable against Buyer in accordance with its terms;

(ii) Buyer has retained all professionals and other consultants as Buyer deemed necessary and Buyer has made and conducted all such physical and other investigations, whether personally or through contractors, engineers, or other experts, as Buyer deems necessary to make Buyer fully informed as to all conditions, physical or otherwise, of the Property;

and

(iii) Buyer covenants and agrees with Seller that (a) the costs and expenses of Buyer's investigations made pursuant to the terms of this Agreement shall be borne solely by Buyer. In the event that the transaction contemplated by this Agreement does not close for any reason, Buyer shall restore the Property to its condition prior to Buyer's entry. Buyer shall indemnify, defend by counsel reasonably acceptable to Seller and hold Seller harmless from and against any and all losses, claims, causes of action, damages and expenses (including reasonable attorney's fees and court costs) caused by, incident to, resulting from, or in any way arising out of any such presence by Buyer, its agents or representatives on the Property or any test or inspection conducted by any of them with respect to the Property. Such indemnity shall survive termination of this Agreement and the sale of the Property.

PURCHASE AND SALE AGREEMENT FOR SURPLUS PROPERTY

ARTICLE 8. SELLER'S DISCLAIMERS

The property and the fixtures and personal property contained therein, if any, are not new, and have been subject to normal wear and tear. Buyer understands that Seller makes no express or implied warranty with respect to the condition of any of the Property, fixtures or personal property. Seller makes no oral or written representation regarding the age of improvements, the size and square footage of the parcel or building, or the location of property lines. Apparent boundary line indicators such as driveways, fences, hedges, walls, or other barriers may not represent the true boundary lines. Only a surveyor can determine the actual boundary lines. If any of these issues are important to Buyer's decision to purchase, then Buyer should investigate the Property independently.

ARTICLE 9. RELEASE OF CLAIMS AND INDEMNIFICATION

As an essential valuable consideration for Seller's agreement to sell the Property, Buyer, its successors and assigns, hereby releases and forever discharges Seller from, and agrees to defend (with counsel reasonably acceptable to Seller), indemnify, and hold Seller harmless from and against any and all losses, claims, demands, causes of action, rights, damages, costs, expenses, and liabilities of any nature, known or unknown, arising out of or related in any way to the title or physical characteristics of the Property, including but not limited to the presence of hazardous materials on, beneath, or from the Property.

With respect to the terms of this Article, Buyer knowingly, voluntarily and expressly waives any and all rights and benefits otherwise conferred by the provisions of Section 1542 of the California Civil Code, which states as follows: "A general release does not extend to claims which the creditor does not know or suspect to exist in his favor at the time of executing the release which, if known by him, must have materially affected his settlement with the debtor."

ARTICLE 10. MISCELLANEOUS

- a. Time of Essence. Time is of the essence of every provision of this Agreement.
- b. Attorney's Fees. If any legal action or other action is commenced to enforce or interpret any provision of this Agreement, the prevailing party shall be entitled to recover its reasonable attorney's fees and court costs incurred.
- c. Successors and Assigns. This Agreement shall be binding upon the heirs, executors, administrators, successors and assigns of Seller and Buyer. Buyer may assign its rights hereunder to any entity, provided, however, that such assignment shall not relieve Buyer of any of its obligations hereunder.
- d. Captions. Article and subparagraph titles or captions contained in this Agreement are inserted as a matter of convenience and for reference, and in no way define, limit, extend or describe the scope of this Agreement.

PURCHASE AND SALE AGREEMENT FOR SURPLUS PROPERTY

- e. Counterparts. This Agreement may be executed in any number of counterparts, each of which when executed and delivered shall be deemed to be an original and all of which counterparts taken together shall constitute but one and the same instrument. Duplicate unexecuted pages of each counterpart may be discarded and the remaining pages assembled as one document. Counterparts bearing a party's signature which are transmitted by facsimile and received by the other party hereto shall be deemed executed original counterparts. The party transmitting an executed counterpart via facsimile shall deliver an ink signed counterpart within a reasonable time thereafter.
- f. Further Assurances. Buyer and Seller shall make, execute, and deliver such documents and undertake such other and further acts as may be reasonably necessary to carry out the intent of the parties hereto.
- g. Governing Law. This Agreement shall be governed by, and construed in accordance with the laws of the State of California without regard to the conflicts of law provisions thereof.
- h. Entire Agreement. This Agreement embodies the entire agreement between Buyer and Seller in connection with this transaction. This Agreement cannot be modified except in writing signed by all parties.
- i. Severability. If any provision of this Agreement is held invalid or unenforceable by any court of final jurisdiction, it is the intent of the parties that all the other provisions of this Agreement be construed to remain fully valid, enforceable and binding on the parties.
- j. Survival of Representations and Warranties. All covenants, representations, warranties, and other agreements under this Agreement shall survive the Close of Escrow.
- k. Waiver. No breach of any provision of this Agreement can be waived unless in writing. Waiver of any one breach of a provision hereof shall not be deemed to be a waiver of any other breach of the same or any other provision, including the time for performance of any such provision. The exercise by a party of any remedy provided in this Agreement or at law shall not prevent the exercise by that party of any other remedy provided in this Agreement or at law.
- l. Arbitration of Disputes. Any dispute or claim in law or equity between Buyer and Seller arising out of this Agreement shall be decided by neutral, binding arbitration and not by court action, except as provided by California law on judicial review of arbitration proceedings. The arbitration shall be conducted in accordance with the rules of the American Arbitration Association ("AAA") commercial rules. The arbitration shall be conducted in accordance with Part III, Title 9 of the California Code of Civil Procedure. Judgment upon the award rendered by the arbitrator may be entered in any Court having jurisdiction thereof. The parties shall have the right to discovery in accordance with Code of Civil Procedure § 1283.05.

PURCHASE AND SALE AGREEMENT FOR SURPLUS PROPERTY

m. No Third Party Beneficiaries. Nothing in this Agreement, express or implied, is intended to confer any rights or remedies under or by reason of this Agreement on any person other than the parties to it and their respective permitted successors and assigns, nor is anything in this Agreement intended to relieve or discharge any obligation of any third person to any party hereto or give any third person any right of subrogation or action over against any party to this Agreement.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the Effective Date.

BUYERS (as Joint Tenants):

By: Michael A. Thomsen
Michael Thomsen

By: Patricia Thomsen
Patricia Thomsen

SELLER:

EL DORADO IRRIGATION DISTRICT, a California special district

By: _____
Jim Abercrombie
Its: _____
General Manager

ATTEST:

By: _____
Clerk to the Board

APPROVED:

By: _____
Attorney

**RECORDING REQUESTED BY
AND WHEN RECORDED MAIL TO:**

Patricia A. Johnson, Paralegal
El Dorado Irrigation District
2890 Mosquito Road
Placerville, CA 95667

**EXEMPT FROM RECORDING FEES PURSUANT
TO GOVERNMENT CODE SECTION 27383**

SPACE ABOVE FOR RECORDER'S USE

APN: 317-240-08

GRANT DEED

The undersigned Grantor declares: El Dorado Irrigation District, a public agency, is exempt from property taxes. Documentary transfer tax is \$0.00.

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, the EL DORADO IRRIGATION DISTRICT, a public agency, hereby GRANTS to MICHAEL and PATRICIA THOMSEN, Husband and Wife, as joint tenants, the following described real property in the City of Placerville, County of El Dorado, State of California, without covenant or warranty. [See Exhibit A attached.]

EL DORADO IRRIGATION DISTRICT

By: _____
Bill George
President of the Board of Directors

Date: _____

By: _____
Jim Abercrombie
General Manager / Secretary

Date: _____

NOTARY ACKNOWLEDGMENT ATTACHED

Exhibit A

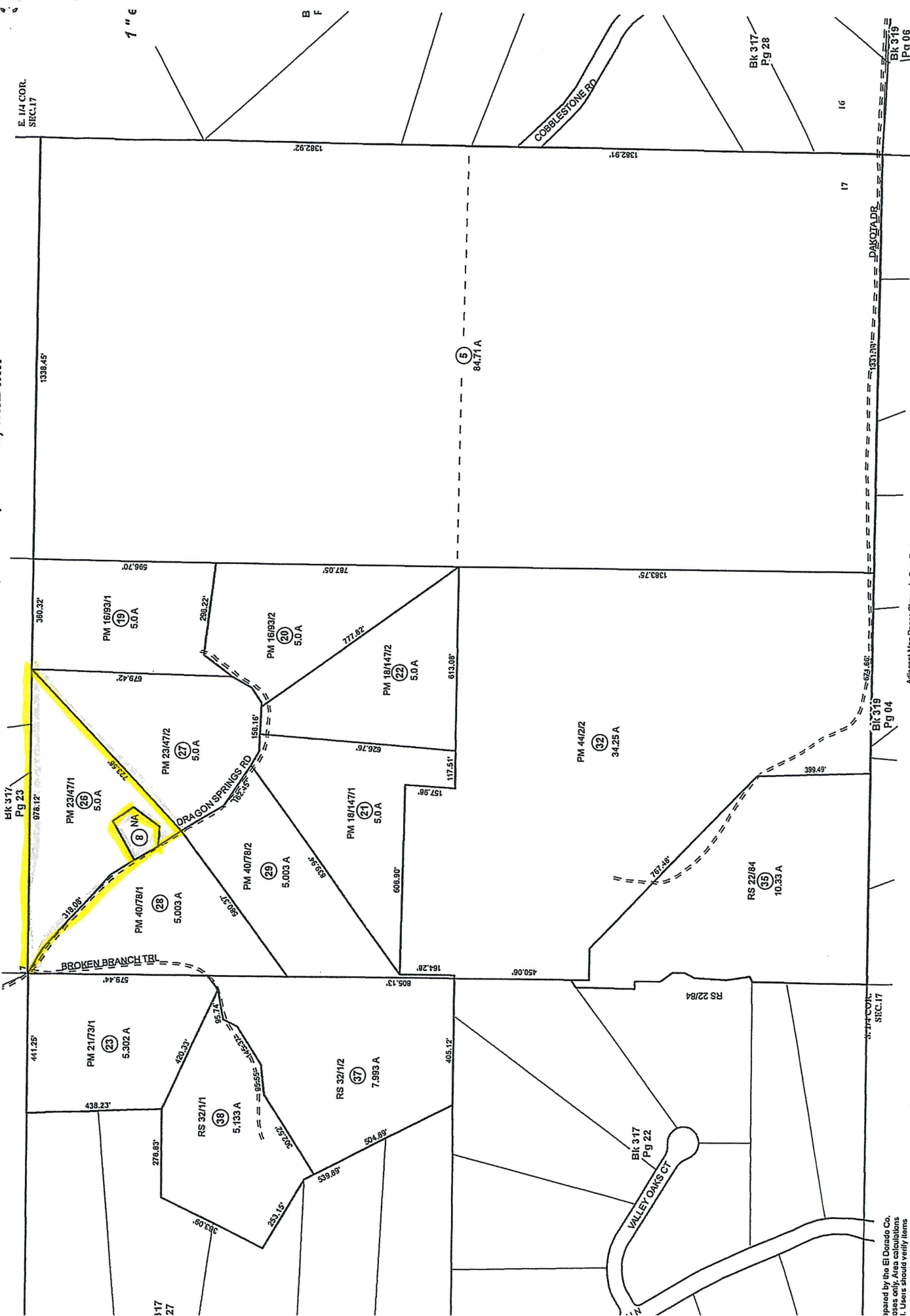
EXHIBIT A

All that real property situated in the County of El Dorado, State of California, described as follows:

That parcel of land, comprising 0.332 acres, located in section 17, Township 10 North, Range 10 East, M.D.M., described as follows:

BEGINNING at a point from whence the center corner of said Section 17 bears North $31^{\circ}34'43''$ West 86.37 feet; North $46^{\circ}34'43''$ West 86.37 feet; North $46^{\circ}25'43''$ West 318.04 feet, and North $52^{\circ}47'49''$ West 121.37 feet; thence from said point of beginning on the following courses: North $58^{\circ}25'17''$ East 147.28 feet, South $31^{\circ}34'43''$ East 80.00 feet, South $33^{\circ}10'48''$ West 85.84 feet, South $86^{\circ}09'02''$ West 78.67 feet, and North $31^{\circ}34'43''$ West 80.00 feet to said point of beginning.

PORTIONS S. 1/2 SEC. 17 & N. 1/2 SEC. 20, T.10N., R.10E., M.D.M.



E. 1/4 COR.
SECC.17

1" = 6'

B
F

Bk 317
Pg 28

16

Bk 319
Pg 06

Assessor's Map
County of El Dorado

Rev. Aug. 31, 2009

Adjacent Map Pages Shown in Gray Text
Assessor's Block Numbers Shown in Ellipse
Assessor's Parcel Numbers Shown in Circles

Acres are Estimates

Prepared by the El Dorado Co.
uses only. Area calculations
Users should verify items

**PURCHASE AND SALE AGREEMENT
FOR SURPLUS PROPERTY**

This Purchase and Sale Agreement for Surplus Property (“Agreement”) is made as of November 20, 2015 (the “Effective Date”), between El Dorado Irrigation District, a California special district (“Seller”), and Lynda E. Nurre, an individual (“Buyer”).

RECITALS

Seller owns real property consisting of approximately 0.04 acre identified as El Dorado County Assessor’s Parcel Number 323-530-04 (“Property”), which Seller has previously determined to be surplus to its needs.

The size, location, and other physical characteristics of the Property make it valuable only to an adjoining parcel owner, such as Buyer.

Seller wishes to sell and Buyer wishes to buy the Property on the terms and conditions stated herein.

NOW, THEREFORE, the parties agree as follows:

ARTICLE 1. PURCHASE AND SALE OF PROPERTY

Seller shall sell the Property to Buyer and Buyer shall purchase the Property from Seller on the terms and conditions stated in this Agreement. Transfer shall be made by the recordation of an executed Grant Deed in substantially the form attached hereto as Exhibit A.

ARTICLE 2. NO PURCHASE PRICE

There shall be no purchase price for the sale of the Property.

ARTICLE 3. NO ESCROW

There shall be no escrow for the sale of the Property.

ARTICLE 4. CLOSING COSTS AND PRORATIONS

Buyer shall pay any transfer taxes on recordation of the deed. Buyer shall pay all recording fees and the premium for any policy of title insurance that Buyer, in Buyer’s sole discretion, chooses to purchase for the Property. Prorations of real property taxes and assessments, rents, interest, and other expenses of the Property shall be prorated as of the date of recordation of the deed.

ARTICLE 5. “AS-IS” SALE

Buyer and Seller agree that Buyer is purchasing the Property in “as-is” condition. Seller makes no representations, warranties, or covenants whatsoever in connection with the Property, the sale,

PURCHASE AND SALE AGREEMENT FOR SURPLUS PROPERTY

or any matter associated with either, including but not limited to the Property's title or physical characteristics. Buyer acknowledges that it has not relied upon any representations by Seller with respect to the title or physical characteristics of the Property. Buyer has satisfied itself concerning all such issues.

ARTICLE 6. NO CONDITIONS

There shall be no conditions precedent or concurrent to Buyer's obligation to purchase, nor Seller's obligation to sell, the Property, and no closing conditions for the sale.

ARTICLE 7. BUYER'S REPRESENTATIONS, WARRANTIES AND COVENANTS

Buyer hereby represents and warrants to Seller as of the Effective Date the following.

(i) Buyer has full power and authority to enter into this Agreement and any other documents contemplated by this Agreement and to assume and perform all of Buyer's obligations hereunder; the persons executing this Agreement and any other documents contemplated by this Agreement on behalf of Buyer have been authorized and empowered to bind Buyer thereto; and this Agreement is, and each instrument and document to be executed by Buyer hereunder shall be, a valid, legally binding obligation of Buyer enforceable against Buyer in accordance with its terms;

(ii) Buyer has retained all professionals and other consultants as Buyer deemed necessary and Buyer has made and conducted all such physical and other investigations, whether personally or through contractors, engineers, or other experts, as Buyer deems necessary to make Buyer fully informed as to all conditions, physical or otherwise, of the Property;

and

(iii) Buyer covenants and agrees with Seller that (a) the costs and expenses of Buyer's investigations made pursuant to the terms of this Agreement shall be borne solely by Buyer. In the event that the transaction contemplated by this Agreement does not close for any reason, Buyer shall restore the Property to its condition prior to Buyer's entry. Buyer shall indemnify, defend by counsel reasonably acceptable to Seller and hold Seller harmless from and against any and all losses, claims, causes of action, damages and expenses (including reasonable attorney's fees and court costs) caused by, incident to, resulting from, or in any way arising out of any such presence by Buyer, its agents or representatives on the Property or any test or inspection conducted by any of them with respect to the Property. Such indemnity shall survive termination of this Agreement and the sale of the Property.

ARTICLE 8. SELLER'S DISCLAIMERS

The property and the fixtures and personal property contained therein, if any, are not new, and have been subject to normal wear and tear. Buyer understands that Seller makes no express or implied warranty with respect to the condition of any of the Property, fixtures or personal

PURCHASE AND SALE AGREEMENT FOR SURPLUS PROPERTY

property. Seller makes no oral or written representation regarding the age of improvements, the size and square footage of the parcel or building, or the location of property lines. Apparent boundary line indicators such as driveways, fences, hedges, walls, or other barriers may not represent the true boundary lines. Only a surveyor can determine the actual boundary lines. If any of these issues are important to Buyer's decision to purchase, then Buyer should investigate the Property independently.

ARTICLE 9. RELEASE OF CLAIMS AND INDEMNIFICATION

As an essential valuable consideration for Seller's agreement to sell the Property, Buyer, its successors and assigns, hereby releases and forever discharges Seller from, and agrees to defend (with counsel reasonably acceptable to Seller), indemnify, and hold Seller harmless from and against any and all losses, claims, demands, causes of action, rights, damages, costs, expenses, and liabilities of any nature, known or unknown, arising out of or related in any way to the title or physical characteristics of the Property, including but not limited to the presence of hazardous materials on, beneath, or from the Property.

With respect to the terms of this Article, Buyer knowingly, voluntarily and expressly waives any and all rights and benefits otherwise conferred by the provisions of Section 1542 of the California Civil Code, which states as follows: "A general release does not extend to claims which the creditor does not know or suspect to exist in his favor at the time of executing the release which, if known by him, must have materially affected his settlement with the debtor."

ARTICLE 10. MISCELLANEOUS

- a. Time of Essence. Time is of the essence of every provision of this Agreement.
- b. Attorney's Fees. If any legal action or other action is commenced to enforce or interpret any provision of this Agreement, the prevailing party shall be entitled to recover its reasonable attorney's fees and court costs incurred.
- c. Successors and Assigns. This Agreement shall be binding upon the heirs, executors, administrators, successors and assigns of Seller and Buyer. Buyer may assign its rights hereunder to any entity, provided, however, that such assignment shall not relieve Buyer of any of its obligations hereunder.
- d. Captions. Article and subparagraph titles or captions contained in this Agreement are inserted as a matter of convenience and for reference, and in no way define, limit, extend or describe the scope of this Agreement.
- e. Counterparts. This Agreement may be executed in any number of counterparts, each of which when executed and delivered shall be deemed to be an original and all of which counterparts taken together shall constitute but one and the same instrument. Duplicate unexecuted pages of each counterpart may be discarded and the remaining pages assembled as one document. Counterparts bearing a party's signature which are transmitted by facsimile and received by the other party hereto shall be deemed

PURCHASE AND SALE AGREEMENT FOR SURPLUS PROPERTY

executed original counterparts. The party transmitting an executed counterpart via facsimile shall deliver an ink signed counterpart within a reasonable time thereafter.

- f. Further Assurances. Buyer and Seller shall make, execute, and deliver such documents and undertake such other and further acts as may be reasonably necessary to carry out the intent of the parties hereto.
- g. Governing Law. This Agreement shall be governed by, and construed in accordance with the laws of the State of California without regard to the conflicts of law provisions thereof.
- h. Entire Agreement. This Agreement embodies the entire agreement between Buyer and Seller in connection with this transaction. This Agreement cannot be modified except in writing signed by all parties.
- i. Severability. If any provision of this Agreement is held invalid or unenforceable by any court of final jurisdiction, it is the intent of the parties that all the other provisions of this Agreement be construed to remain fully valid, enforceable and binding on the parties.
- j. Survival of Representations and Warranties. All covenants, representations, warranties, and other agreements under this Agreement shall survive the Close of Escrow.
- k. Waiver. No breach of any provision of this Agreement can be waived unless in writing. Waiver of any one breach of a provision hereof shall not be deemed to be a waiver of any other breach of the same or any other provision, including the time for performance of any such provision. The exercise by a party of any remedy provided in this Agreement or at law shall not prevent the exercise by that party of any other remedy provided in this Agreement or at law.
- l. Arbitration of Disputes. Any dispute or claim in law or equity between Buyer and Seller arising out of this Agreement shall be decided by neutral, binding arbitration and not by court action, except as provided by California law on judicial review of arbitration proceedings. The arbitration shall be conducted in accordance with the rules of the American Arbitration Association (“AAA”) commercial rules. The arbitration shall be conducted in accordance with Part III, Title 9 of the California Code of Civil Procedure. Judgment upon the award rendered by the arbitrator may be entered in any Court having jurisdiction thereof. The parties shall have the right to discovery in accordance with Code of Civil Procedure § 1283.05.
- m. No Third Party Beneficiaries. Nothing in this Agreement, express or implied, is intended to confer any rights or remedies under or by reason of this Agreement on any person other than the parties to it and their respective permitted successors and assigns, nor is anything in this Agreement intended to relieve or discharge any obligation of any third person to any party hereto or give any third person any right of subrogation or action over against any party to this Agreement.

PURCHASE AND SALE AGREEMENT FOR SURPLUS PROPERTY

IN WITNESS WHEREOF, the parties have executed this Agreement as of the Effective Date.

BUYER:

By: Lynda E. Nurre, an individual
Lynda E. Nurre

SELLER:

EL DORADO IRRIGATION DISTRICT, a California special district

By: _____
Jim Abercrombie
Its: _____
General Manager

ATTEST:

By: _____
Clerk to the Board

APPROVED:

By: _____
Attorney

**RECORDING REQUESTED BY
AND WHEN RECORDED MAIL TO:**

Patricia A. Johnson, Paralegal
El Dorado Irrigation District
2890 Mosquito Road
Placerville, CA 95667

**EXEMPT FROM RECORDING FEES PURSUANT
TO GOVERNMENT CODE SECTION 27383**

SPACE ABOVE FOR RECORDER'S USE

APN: 323-530-04

GRANT DEED

The undersigned Grantor declares: El Dorado Irrigation District, a public agency, is exempt from property taxes. Documentary transfer tax is \$0.00.

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, the EL DORADO IRRIGATION DISTRICT, a public agency, hereby GRANTS to LYNDA E. NURRE, an unmarried woman, the following described real property in the City of Placerville, County of El Dorado, State of California, without covenant or warranty. [See Exhibit A attached.]

EL DORADO IRRIGATION DISTRICT

By: _____
Bill George
President of the Board of Directors

Date: _____

By: _____
Jim Abercrombie
General Manager / Secretary

Date: _____

NOTARY ACKNOWLEDGMENT ATTACHED

Exhibit **A**

Exhibit "A"

All that portion of the Northeast quarter of Section 12, Township 10 North, Range 10 East, M.D.B. & M., more particularly described as follows:

Beginning at the Northeast corner of the parcel herein described, from which the Northeast corner of said Section 12 bears North 62° 20' 30" East 1037.43 feet; thence from the point of beginning South 31° 59' 30" East 57.77 feet; thence South 15° 12' East 33.0 feet; thence North 74° 48' East 9.29 feet; thence South 31° 59' 30" East 4.75 feet, the Southeast corner, a 3/4-inch iron pipe; thence South 64° 24' West 80.99 feet, the most Southerly corner; thence North 23° 56' West 99.84 feet; thence South 77° 42' West 54.20 feet; thence South 73° 31' West 9.80 feet to a point in the Easterly line of that certain realty conveyed to Helen E. Johnson and Marie Nicholson by Deed dated December 11, 1962, and recorded January 4, 1963, in Book 619, Page 595 Official Records of El Dorado County; thence along said Easterly line North 24° 52' West 6.32 feet to the Northeast corner of said realty so conveyed by said Deed; thence along the Northerly line of last said realty South 63° 52' West 32.18 feet to the Northwest corner of said realty; thence leaving said corner North 02° 44' 30" West 14.02 feet; thence North 74° 40' East 120.63 feet; thence North 85° 55' East 41.22 feet to the point of beginning.

EL DORADO IRRIGATION DISTRICT

Subject: Funding approval for District Capital Improvement Plan (CIP) Projects.

Recent Board Action:

October 13, 2015 – The Board adopted the 2016-2020 CIP, subject to available funding.

Board Policies (BP), Administrative Regulations (AR), and Board Authority:

Staff advised that each CIP project would be presented to the Board for funding approval.

Summary of Issue:

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

Staff Analysis/Evaluation:

The CIP projects identified in Table 1-1 on page 2 requires immediate funding.

Funding Source:

The primary funding source for the District CIP projects are listed in Table 1-1. Table 1-1 also lists the projects currently in progress and the amount of funding requested.

The CIP project descriptions for these projects are also attached for review. (Attachment A)

**Table 1-1
CIP Funding Request**

	Project Name and Number	2016-2020 CIP Plan¹	Funded to Date	Actual Costs to date²	Amount Requested	Funding Source
1.	FERC C37.8 Water Temperature 06021H	\$316,481	\$214,500	\$209,555	\$20,000	53% Water FCC's 47% Water rates
2.	FERC C37.1 Fish Monitoring 06087H	\$277,664	\$170,000	\$157,664	\$60,000	53% Water FCC's 47% Water rates
3.	FERC C37.2 Macroinvertebrate Monitoring 06088H	\$214,719	\$106,000	\$90,497	\$55,000	53% Water FCC's 47% Water rates
4.	FERC C37.3 Amphibian Monitoring 06089H	\$349,655	\$228,000	\$206,997	\$65,000	53% Water FCC's 47% Water rates
5.	FERC C37.7 Geomorphology Evaluation 06092H	\$113,059	\$49,276	\$48,059	\$45,000	53% Water FCC's 47% Water rates
6.	FERC C37.9 Water Quality 07003H	\$608,530	\$392,000	\$369,085	\$67,000	53% Water FCC's 47% Water rates
7.	FERC C15 Pesticide Use 07010H	\$894,869	\$623,000	\$593,875	\$70,000	53% Water FCC's 47% Water rates
8.	FERC C38 Adaptive Management Program 07011H	\$737,551	\$502,000	\$489,906	\$45,000	53% Water FCC's 47% Water rates

**Table 1-1
CIP Funding Request**

	Project Name and Number	2016-2020 CIP Plan¹	Funded to Date	Actual Costs to date²	Amount Requested	Funding Source
9.	FERC C44 Noxious Weed Monitoring 08025H	\$266,382	\$179,342	\$169,331	\$34,000	53% Water FCC's 47% Water rates
10.	Enterprise GIS 14035	\$804,738	\$187,825	\$165,278	\$65,000	60% Water rates 40% Wastewater rates
11.	Power Mitigation 15008	\$5,000,000	\$50,000	\$30,629	\$63,500	50% Water rates 50% Wastewater rates
	TOTAL FUNDING REQUEST				\$589,500	

¹ Includes all existing costs plus any expected costs in the 5 year CIP Plan.

² Actual costs include encumbrances.

The following section contains a brief breakdown and description of the projects in the table. For complete description of the CIP projects see Attachment A.

CIP Funding Request

Project No.	06021H	Board Date	12/14/2015
Project Name	FERC C37.8 Water Temperature		
Project Manager	Deason		

Budget Status	\$	%
Funded to date	\$ 214,500	--
Spent to date	\$ 209,555	98%
Current Remaining	\$ 4,945	2%

Funding Request Breakdown	\$
Professional services	\$ 15,000
Capitalized labor	\$ 5,000
Total	\$ 20,000

Funding Source
53% Water FCC's 47% Water rates

Description
<p>This project is a requirement of the FERC Project No. 184 license pursuant to United States Forest Service (USFS) Section 4(e) Condition No. 37 and 42, State Water Resources Control Board (SWRCB) Water Quality Certification Condition 14 and Section 12 of the Relicensing Settlement Agreement. Funding is requested to implement the Project No. 184 Water Temperature Monitoring Plan (Plan) which requires annual monitoring of water temperature in stream reaches downstream of Project No. 184 reservoirs and facilities and above and below the El Dorado Diversion Dam. The data collected from this effort are used to determine if cold-water beneficial uses (e.g. suitable water temperature conditions for fish and amphibians) are being met in designated project reaches. Funding is requested in 2016 for 1) professional services to conduct monitoring, and 2) staff time to a) manage on-call contract and review deliverables generated by consultant, b) prepare the annual monitoring report, and c) consult with regulatory agencies on the monitoring results. The estimated annual cost for the 2016 monitoring effort reflects that water temperature monitoring is planned to be conducted in conjunction with water quality monitoring 07003H. This combined effort results in reduced mobilization costs because many monitoring sites for both of these efforts are co-located.</p>

CIP Funding Request

Project No.	06087H	Board Date	12/14/2015
Project Name	FERC C37.1 Fish Monitoring		
Project Manager	Deason		

Budget Status	\$	%
Funded to date	\$ 170,000	--
Spent to date	\$ 157,664	93%
Current Remaining	\$ 12,336	7%

Funding Request Breakdown	\$
Professional services	\$ 60,000
Total	\$ 60,000

Funding Source
53% Water FCC's 47% Water rates

Description
<p>This project is a requirement of the FERC Project No. 184 license pursuant to United States Forest Service (USFS) Section 4(e) Condition No. 37, State Water Resources Control Board (SWRCB) Water Quality Certification Condition 13 and Section 7 of the Relicensing Settlement Agreement. Funding is requested to implement the Project No. 184 Rainbow Trout and Hardhead Monitoring Plans (Plans) which require monitoring of rainbow trout and hardhead fish populations. Surveys for rainbow trout are required in years 5, 6, 10, 11, 15, 16, 20, 21, 25, 26, 30, 31 and surveys for hardhead are required in years 5, 10, 15, 20, 25, 30 as part of the Project 184 monitoring program (2016 is year 10). The data collected from these monitoring efforts will be used to evaluate population trends of rainbow trout and hardhead in response to Project 184 operations. Monitoring may be reduced or terminated, with approval from the USFS, SWRCB, and ERC, if the relevant ecological resource objective has been met or no change in resource response is expected. Funding is requested in 2016 for professional services to conduct monitoring. The current remaining funding is sufficient for staff time in 2016 to 1) manage on-call contract and review deliverables generated by consultant, 3) participate in field surveys pending availability at the time of the surveys, and 4) consult with regulatory agencies on the monitoring results.</p>

CIP Funding Request

Project No.	06088H	Board Date	12/14/2015
Project Name	FERC C37.2 Macroinvertebrate Monitoring		
Project Manager	Deason		

Budget Status	\$	%
Funded to date	\$ 106,000	--
Spent to date	\$ 90,497	85%
Current Remaining	\$ 15,503	15%

Funding Request Breakdown	\$
Professional services	\$ 50,000
Capitalized labor	\$ 5,000
Total	\$ 55,000

Funding Source
53% Water FCC's 47% Water rates

Description
<p>This project is a requirement of the FERC Project No. 184 license pursuant to United States Forest Service (USFS) Section 4(e) Condition No. 37, State Water Resources Control Board (SWRCB) Water Quality Certification Condition 13 and Section 7 of the Relicensing Settlement Agreement. Funding is requested to implement the Project No. 184 Benthic Macroinvertebrate Monitoring Plan (Plan) which requires monitoring of benthic macroinvertebrate populations in stream reaches downstream of Project No. 184 reservoirs and facilities and above and below Project No. 184 diversions. Macroinvertebrate surveys are required in years 5, 6, 10, 11, 15, 16, 20, 21, 25, 26, 30, 31 as part of the Project 184 monitoring program (2016 is year 10). The data collected from these monitoring efforts will be used to evaluate water quality and population trends of macroinvertebrates in response to Project No. 184 operations. Funding is requested in 2016 for 1) professional services to conduct monitoring, and 2) staff time to a) manage on-call contract and review deliverables generated by consultant, b) consult with regulatory agencies on the monitoring results, and 3) participate in the surveys, pending availability of qualified staff at the time of the surveys.</p>

CIP Funding Request

Project No.	06089H	Board Date	12/14/2015
Project Name	FERC C37.3 Amphibian Monitoring		
Project Manager	Deason		

Budget Status	\$	%
Funded to date	\$ 228,000	--
Spent to date	\$ 206,997	91%
Current Remaining	\$ 21,003	9%

Funding Request Breakdown	\$
Professional services	\$ 60,000
Capitalized labor	\$ 5,000
Total	\$ 65,000

Funding Source
53% Water FCC's 47% Water rates

Description
<p>This project is a requirement of the FERC Project No. 184 license pursuant to United States Forest Service (USFS) Section 4(e) Condition No. 37, State Water Resources Control Board (SWRCB) Water Quality Certification Condition 13 and Section 7 of the Relicensing Settlement Agreement. Funding is requested for two contingencies: 1) Foothill yellow-legged frog (FYLF) surveys if diversions into the canal cause a flow fluctuation, as defined by the license, in the South Fork American River to assess the effects of flow fluctuations on FYLF egg masses and tadpoles and 2) Mountain yellow-legged frog (MYLF) surveys if a spill occurs over the Lake Aloha auxiliary dams to assess if spill events adversely affect MYLF by introducing trout into the ponds and habitats downstream of the auxiliary dams following a spill event. Current funding is sufficient to cover these two contingencies including 1) professional services to conduct surveys and 2) staff to a) manage on-call contract with consultant, b) review deliverables generated by consultant, and c) participate in the surveys, pending availability of qualified staff at the time of the surveys. Amphibian surveys for FYLF and MYLF are also required every five years as part of the Project No. 184 monitoring program. The first five-year survey effort was completed in 2011; the second five-year monitoring effort is required to be conducted in 2016. Funding is requested in 2016 for 1) professional services to conduct surveys and 2) staff time to a) manage on-call contract with consultant, b) review deliverables generated by consultant, and c) participate in the surveys, pending availability of qualified staff at the time of the surveys.</p>

CIP Funding Request

Project No.	06092H	Board Date	12/14/2015
Project Name	FERC C37.7 Geomorphology Evaluation		
Project Manager	Deason		

Budget Status	\$	%
Funded to date	\$ 49,276	--
Spent to date	\$ 48,059	98%
Current Remaining	\$ 1,217	2%

Funding Request Breakdown	\$
Consulting services	\$ 40,000
Capitalized labor	\$ 5,000
Total	\$ 45,000

Funding Source
53% Water FCC's 47% Water rates

Description
<p>This project is a requirement of the FERC Project No. 184 license pursuant to United States Forest Service (USFS) Section 4(e) Condition No. 37, State Water Resources Control Board (SWRCB) Water Quality Certification Condition 13 and Section 7 of the Relicensing Settlement Agreement. Funding is requested to implement the Project No. 184 Geomorphology Continuing Evaluation of Representative Channel Areas Monitoring Plan (Plan) which requires geomorphology monitoring in stream reaches downstream of Project No. 184 reservoirs and facilities. The data collected from this effort will be used to monitor channel cross-sections and properties at selected stream reaches to help determine if ecological resource objectives are achievable and being met. Monitoring is required in years 5, 10, 15, 20, 25, and 30 as part of the Project 184 monitoring program. 2016 is year 10 of license implementation. Funding is requested in 2016 for 1) professional services to conduct surveys and 2) staff time to a) manage on-call contract with consultant, b) review deliverables generated by consultant, and c) participate in the surveys, pending availability of qualified staff at the time of the surveys.</p>

CIP Funding Request

Project No.	07003H	Board Date	12/14/2015
Project Name	FERC C37.9 Water Quality		
Project Manager	Deason		

Budget Status	\$	%
Funded to date	\$ 392,000	--
Spent to date	\$ 369,085	94%
Current Remaining	\$ 22,915	6%

Funding Request Breakdown	\$
Professional services	\$ 65,000
Equipment	\$ 2,000
Total	\$ 67,000

Funding Source
53% Water FCC's 47% Water rates

Description
<p>This project is a requirement of the FERC Project No. 184 license pursuant to United States Forest Service (USFS) Section 4(e) Condition No. 37, State Water Resources Control Board (SWRCB) Water Quality Certification Condition 15 and Section 7 of the Relicensing Settlement Agreement. Funding is requested to implement the Project No. 184 Water Quality Monitoring Plan (Plan) which requires monitoring of water quality in stream reaches downstream of Project No. 184 reservoirs and facilities and above and below Project No. 184 diversions. The data collected from this monitoring effort will be used to determine if the cold-water beneficial uses are being met in designated project reaches. Funding is requested for professional services to conduct monitoring and provide laboratory analytical services in 2016. Funding is also requested to service District owned monitoring equipment. Available funding is sufficient to cover staff time to 1) manage on-call contract with consultant and review deliverables generated by consultant, 2) prepare the annual monitoring report, and 3) prepare a proposal for amending the Plan to reduce or eliminate future water quality monitoring efforts based on the water quality data collected during previous monitoring seasons. This proposal will be prepared in consultation with the USFS, SWRCB, and ERC and is subject to approval by these entities and FERC. The estimated annual cost for the 2016 monitoring effort reflects that water quality monitoring is planned to be conducted in conjunction with water temperature monitoring 06021HH. This combined effort results in reduced mobilization costs because many monitoring sites for both of these efforts are co-located.</p>

CIP Funding Request

Project No.	07010H	Board Date	12/14/2015
Project Name	FERC C15 Pesticide Use		
Project Manager	Gibson		

Budget Status	\$	%
Funded to date	\$ 623,000	--
Spent to date	\$ 593,875	95%
Current Remaining	\$ 29,125	5%

Funding Request Breakdown	\$
Materials	\$ 60,000
Capitalized labor	\$ 10,000
Total	\$ 70,000

Funding Source
53% Water FCC's 47% Water rates

Description
<p>This project is a mandatory requirement pursuant to United States Forest Service (USFS) Section 4(e) Condition No. 15 Pesticide Use and Article 20 of the FERC Project No. 184 license. Funding is requested to implement the Project No. 184 Integrated Pest Management Plan (IPMP) which addresses pesticide use at EID facilities located on USFS lands. Pest management is a critical component of on-going operation and maintenance of EID facilities. The primary objective of the IPMP is to provide guidelines to control unwanted vegetation and pests at EID facilities while providing for the protection and maintenance of forest resources. Funding is requested to perform vegetation and pest control treatments, administer the IPMP training and reporting requirements, and purchase chemicals and materials for 2016.</p>

CIP Funding Request

Project No.	07011H	Board Date	12/14/2015
Project Name	FERC C38 Adaptive Management		
Project Manager	Deason		

Budget Status	\$	%
Funded to date	\$ 502,000	--
Spent to date	\$ 489,906	98%
Current Remaining	\$ 12,094	2%

Funding Request Breakdown	\$
Capitalized labor	\$ 45,000
Total	\$ 45,000

Funding Source
53% Water FCC's 47% Water rates

Description
<p>This project is a requirement of the FERC Project No. 184 license pursuant to United States Forest Service (USFS) Section 4(e) Condition No. 38 Ecological Resources Adaptive Management Program and Section 8 of the Relicensing Settlement Agreement. Funding is requested for staff time to implement the adaptive management program which includes coordination with the Project No. 184 Ecological Resources Committee (ERC), implementation of the resource monitoring program, and evaluation of monitoring results to determine if resource objectives are achievable and being met. Funding is requested for staff time in 2016 to continue license implementation in coordination with the ERC, USFS, and State Water Resources Control Board (SWRCB), evaluate results of the resource monitoring program to determine if resource objectives are achievable and being met, and prepare the Project No. 184 monitoring program annual report. Analysis of monitoring results will be used to determine any needed changes in streamflow, or implementation of other adaptive management measures.</p>

CIP Funding Request

Project No.	08025H	Board Date	12/14/2015
Project Name	FERC C44 Noxious Weeds		
Project Manager	Deason		

Budget Status	\$	%
Funded to date	\$ 179,342	--
Spent to date	\$ 169,331	94%
Current Remaining	\$ 10,011	6%

Funding Request Breakdown	\$
Professional services	\$ 30,000
Capitalized labor	\$ 4,000
Total	\$ 34,000

Funding Source
53% Water FCC's 47% Water rates

Description
<p>This project is a requirement of the FERC Project No. 184 license pursuant to United States Forest Service (USFS) Section 4(e) Condition No. 44 and Section 14 of the Relicensing Settlement Agreement. Funding is requested to implement the Project No. 184 Plan for the Prevention and Control of Noxious Weeds (Plan) which requires annual surveys for noxious weeds at Project No. 184 reservoirs and facilities. The data collected from this effort are used to track noxious weed occurrences and evaluate effectiveness of treatments and control efforts and inform future treatment and control efforts. The current remaining funding will be used for staff time to 1) review and finalize 2015 monitoring report, 2) consult with USFS on the survey results, and 3) conduct noxious weed treatments in 2015. Funding is requested in 2016 for 1) professional services to conduct surveys, and 2) staff time to a) manage on-call contract and review deliverables generated by consultant, b) consult with USFS on survey results, and c) conduct noxious weed treatments.</p>

CIP Funding Request

Project No.	14035	Board Date	12/14/2015
Project Name	Enterprise GIS		
Project Manager	Wells		

Budget Status	\$	%
Funded to date	\$ 187,825	--
Spent to date	\$ 165,278	88%
Current Remaining	\$ 22,547	12%

Funding Request Breakdown	\$
Consulting services	\$ 25,000
Capitalized labor	\$ 40,000
Total	\$ 65,000

Funding Source
60% Water rates 40% Wastewater rates

Description
Design and integrate enterprise GIS to existing customer information service database and maintenance management system to improve the data quality and efficiency of multiple current business processes. Project will enhance software applications and databases used daily to perform functions including enterprise asset management, maintenance management, customer information management, employee information management, records management, financial management, and geospatial information management. Scores of departmental databases supplement these core databases and are largely stand-alone at this time, requiring duplicate sets of data to be maintained in multiple places and causing inefficiency to manage and locate the data, plus confusion and potentially poor decisions when attempting to use data where quality is poor or inconsistent. This funding request is for: 1) consulting and staff time to develop AutoCAD standards that will eventually allow integration of record drawings into GIS, 2) staff time to develop a GIS record drawing spatial index, and 3) coordination of District-wide model with GIS.

CIP Funding Request

Project No.	15032	Board Date	12/14/2015
Project Name	Power Mitigation		
Project Manager	Wells		

Budget Status	\$	%
Funded to date	\$ 50,000	--
Spent to date	\$ 30,629	61%
Current Remaining	\$ 19,371	39%

Funding Request Breakdown	\$
Consulting services	\$ 48,500
Capitalized labor	\$ 15,000
Total	\$ 63,500

Funding Source
50% Water rates 50% Wastewater rates

Description
<p>At the October 2015 Board meeting, the Board directed staff to identify, design and implement power mitigation projects in order to offset future power costs. Staff has identified potential in-conduit hydro projects at Tank 3 and Tank 7. The District's consultant (Nline Energy) has completed a feasibility analysis and design for Tank 7, and staff recently entered into a contract with Nline Energy to complete a feasibility analysis for Tank 3. Staff previously identified potential solar projects at the Deer Creek and El Dorado Hills wastewater plants, and staff has been working on a co-generation analysis at the EDHWWTP. The purpose of this funding request is for consultant services to further analyze the feasibility of solar projects at the DC and EDHWWTP's (including floating solar at the EDHWWTP), and to analyze options for a co-generation facility at the EDHWWTP. The analysis criteria includes: resource, size and location, interconnection, neighbors, environment, constructability, operational impacts, capital cost and return on investment. Staff will prepare a presentation to the Board in early 2016 to present the feasibility findings and recommendations on the power mitigation assessments for in-conduit hydro, solar, and co-generation.</p>

Board Decisions/Options:

Option 1: Authorize funding for the CIP project as requested in the amount of \$589,500.

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

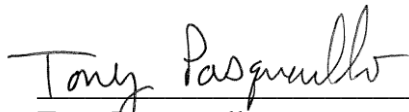
Option 3: Take no action.

Staff/General Manager Recommendation:

Option 1

Support Documents Attached:

Attachment A: Capital Improvement Project Description and Justifications.



Tony Pasquarello
Accounting Manager



Dan Corcoran
Environmental Manager



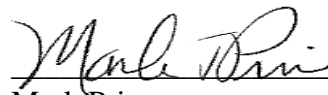
Dan Gibson
Hydroelectric Manager



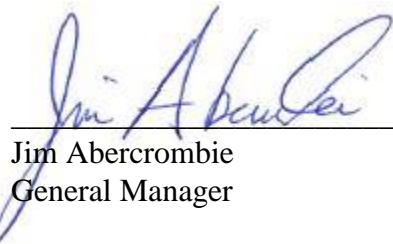
Elizabeth Wells
Engineering Manager



Brian Mueller
Director of Engineering



Mark Price
Director of Finance (CFO)



Jim Abercrombie
General Manager

2016 CAPITAL IMPROVEMENT PLAN Program: FERC

Project Number: 06021H
Project Name: FERC C37.8 Water Temperature
Project Category: Regulatory Requirements
Priority: 1 **PM:** Deason **Board Approval:** 10/13/15

Project Description:

Mandatory requirement of the FERC license. Funding is necessary to implement an annual water temperature monitoring program at project reservoirs and stream reaches. The data collected from this monitoring effort will be used to determine if the coldwater beneficial uses are being met in designated project reaches.

Basis for Priority:

If unfunded, EID would be out of compliance with the FERC license, Sections 7 and 12 of the Settlement Agreement, USFS 4(e) conditions 37 and 42, and SWRCB Water Quality Certification condition 14.

Project Financial Summary:			
Funded to Date:	\$ 214,500	Expenditures through end of year:	\$ 196,481
Spent to Date:	\$ 191,481	2016 - 2020 Planned Expenditures:	\$ 120,000
Cash flow through end of year:	\$ 5,000	Total Project Estimate:	\$ 316,481
Project Balance	\$ 18,019	Additional Funding Required	\$ 101,981

Description of Work	Estimated Annual Expenditures					
	2016	2017	2018	2019	2020	Total
Monitoring	\$15,000	\$25,000	\$15,000	\$25,000	\$15,000	\$ 95,000
Reporting	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 25,000
						\$ -
						\$ -
TOTAL	\$ 20,000	\$ 30,000	\$ 20,000	\$ 30,000	\$ 20,000	\$ 120,000

Funding Sources	Percentage	2016	Amount
Water FCCs	53%		\$1,050
Water Rates	47%		\$931
			\$0
Total	100%		\$1,981

Funding Comments: Annual monitoring is required until it can be demonstrated that operation of the project reasonably protects the cold freshwater beneficial use as determined by the SWRCB, FS, and ERC; coordinated with water quality sampling in even numbered years

2016 CAPITAL IMPROVEMENT PLAN Program: FERC

Project Number: 06087H
 Project Name: FERC C37.1 Fish Monitoring
 Project Category: Regulatory Requirements
 Priority: 1 PM: Deason Board Approval: 10/13/15

Project Description:

Mandatory requirement of the FERC license. The objective of this monitoring effort is to evaluate the status of fish populations in selected stream reaches for comparison to the ecological resource objectives to help determine if ecological resource objectives are achievable and being met, as specified in the El Dorado Hydroelectric Project No. 184 Adaptive Management Program.

Basis for Priority:

If unfunded, EID would be out of compliance with the FERC license, Section 7 of the Settlement Agreement, USFS 4(e) conditions 37, and SWRCB Water Quality Certification condition 13.

Project Financial Summary:			
Funded to Date:	\$ 170,000	Expenditures through end of year:	\$ 157,664
Spent to Date:	\$ 157,664	2016 - 2020 Planned Expenditures:	\$ 120,000
Cash flow through end of year:	\$ -	Total Project Estimate:	\$ 277,664
Project Balance	\$ 12,336	Additional Funding Required	\$ 107,664

Description of Work	Estimated Annual Expenditures					Total
	2016	2017	2018	2019	2020	
Monitoring	\$ 50,000	\$ 50,000				\$ 100,000
Staff time	\$ 10,000	\$ 10,000				\$ 20,000
						\$ -
TOTAL	\$ 60,000	\$ 60,000	\$ -	\$ -	\$ -	\$ 120,000

Funding Sources	Percentage	2016	Amount
Water FCCs	53%		\$25,262
Water Rates	47%		\$22,402
			\$0
Total	100%		\$47,664

Funding Comments:

2016 CAPITAL IMPROVEMENT PLAN Program: FERC

Project Number: 06088H
Project Name: FERC: C37.2 Macroinvertebrate Monitoring
Project Category: Regulatory Requirements
Priority: 1 **PM:** Deason **Board Approval:** 10/13/15

Project Description:

Mandatory requirement of the FERC license. The objective of this monitoring effort is to evaluate the status of macroinvertebrates in selected stream reaches for comparison to the ecological resource objectives to help determine if ecological resource objectives are achievable and being met, as specified in the El Dorado Hydroelectric Project No. 184 Adaptive Management Program.

Basis for Priority:

If unfunded, EID would be out of compliance with the FERC license, Section 7 of the Settlement Agreement, USFS 4(e) conditions 37, and SWRCB Water Quality Certification condition 13.

Project Financial Summary:			
Funded to Date:	\$ 106,000	Expenditures through end of year:	\$ 104,719
Spent to Date:	\$ 89,719	2016 - 2020 Planned Expenditures:	\$ 110,000
Cash flow through end of year:	\$ 15,000	Total Project Estimate:	\$ 214,719
Project Balance	\$ 1,281	Additional Funding Required	\$ 108,719

Description of Work	Estimated Annual Expenditures					Total
	2016	2017	2018	2019	2020	
Monitoring	\$ 50,000	\$ 50,000				\$ 100,000
Staff time	\$ 5,000	\$ 5,000				\$ 10,000
						\$ -
						\$ -
TOTAL	\$ 55,000	\$ 55,000	\$ -	\$ -	\$ -	\$ 110,000

Funding Sources	Percentage	2016	Amount
Water FCCs	53%		\$28,471
Water Rates	47%		\$25,248
			\$0
Total	100%		\$53,719

Funding Comments:

2016

CAPITAL IMPROVEMENT PLAN Program:

FERC

Project Number: 06089H

Project Name: FERC: C37.3 Amphibian Monitoring

Project Category: Regulatory Requirements

Priority: 1 PM: Deason Board Approval: 10/13/15

Project Description:

Mandatory requirement of the FERC license. Amphibian surveys are required June through September if at any time flows in the South Fork of the American River (SFAR) are 100 cfs or less and the diversion into the canal causes the flow in the SFAR to change 50 cfs or more in 1 day. The objective of these surveys is to assess the effects of flow fluctuations on foothill yellow-legged frog egg masses and tadpoles. Amphibian surveys for mountain yellow-legged frog (MYLF) and foothill yellow-legged frog (FYLF) are also required every five years at project reservoirs and stream reaches as part of the El Dorado Hydroelectric Project No. 184 Adaptive Management Program. Amphibian surveys are also required in years when a spill occurs over the auxiliary dams at Lake Aloha. If spill occurs, EID is required to survey for mountain yellow-legged frogs in the pools downstream of the auxiliary dams.

Basis for Priority:

If unfunded, EID would be out of compliance with the FERC license, Section 7 of the Settlement Agreement, USFS 4(e) conditions 37, and SWRCB Water Quality Certification condition 13.

Project Financial Summary:			
Funded to Date:	\$ 228,000	Expenditures through end of year:	\$ 194,655
Spent to Date:	\$ 194,655	2016 - 2020 Planned Expenditures:	\$ 155,000
Cash flow through end of year:	\$ -	Total Project Estimate:	\$ 349,655
Project Balance	\$ 33,345	Additional Funding Required	\$ 121,655

Description of Work	Estimated Annual Expenditures					
	2016	2017	2018	2019	2020	Total
FYLF/MYLF monitoring	\$ 60,000					\$ 60,000
SFAR flow fluctuations	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 25,000
Lake Aloha monitoring	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 60,000
Staff time	\$ 10,000					\$ 10,000
TOTAL	\$ 87,000	\$ 17,000	\$ 17,000	\$ 17,000	\$ 17,000	\$ 155,000

Funding Sources	Percentage	2016	Amount
Water FCCs	53%		\$28,437
Water Rates	47%		\$25,218
			\$0
Total	100%		\$53,655

Funding Comments: Flow fluctuation monitoring only required if license criteria is triggered. Monitoring at Lake Aloha is only necessary in years when a spill occurs over the auxiliary dams.

2016

CAPITAL IMPROVEMENT PLAN Program:

FERC

Project Number: 06092H
 Project Name: FERC: C37.7 Geomorphology Evaluation
 Project Category: Regulatory Requirements
 Priority: 1 PM: Deason Board Approval: 10/13/15

Project Description:

Mandatory requirement of the FERC license. The objective of this monitoring effort is to monitor representative stream channel areas for comparison to the ecological resource objectives to help determine if ecological resource objectives are achievable and being met, as specified in the El Dorado Hydroelectric Project No. 184 Adaptive Management Program.

Basis for Priority:

If unfunded, EID would be out of compliance with the FERC license, Section 7 of the Settlement Agreement, USFS 4(e) conditions 37, and SWRCB Water Quality Certification condition 13.

Project Financial Summary:			
Funded to Date:	\$ 49,276	Expenditures through end of year:	\$ 48,059
Spent to Date:	\$ 48,059	2016 - 2020 Planned Expenditures:	\$ 65,000
Cash flow through end of year:	\$ -	Total Project Estimate:	\$ 113,059
Project Balance	\$ 1,217	Additional Funding Required	\$ 63,783

Description of Work	Estimated Annual Expenditures					
	2016	2017	2018	2019	2020	Total
Monitoring	\$ 40,000	\$ 10,000	\$ 10,000			\$ 60,000
Staff time	\$ 5,000					\$ 5,000
						\$ -
						\$ -
TOTAL	\$ 45,000	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ 65,000

Funding Sources	Percentage	2016	Amount
Water FCCs	53%		\$23,205
Water Rates	47%		\$20,578
			\$0
Total	100%		\$43,783

Includes post-project monitoring in 2016, 2017, and 2018 for Oyster Creek Stabilization Plan 06019H and Funding Comments: Caples Spillway Channel Stabilization Plan 06076H

2016

CAPITAL IMPROVEMENT PLAN Program:

FERC

Project Number: 07003H
 Project Name: FERC: C37.9 Water Quality
 Project Category: Regulatory Requirements
 Priority: 1 PM: Deason Board Approval: 10/13/15

Project Description:

Mandatory requirement of the FERC license. Funding is necessary to implement the water quality monitoring program at Project No. 184 reservoirs and stream reaches. The data collected from this monitoring effort will be used to characterize water quality under current project operations and help determine if applicable water quality objectives/criteria are being met and whether designated beneficial uses are protected.

Basis for Priority:

If unfunded, EID would be out of compliance with the FERC license, Section 7 of the Settlement Agreement, USFS 4(e) conditions 37, and SWRCB Water Quality Certification condition 13.

Project Financial Summary:			
Funded to Date:	\$ 392,000	Expenditures through end of year:	\$ 368,530
Spent to Date:	\$ 363,530	2016 - 2020 Planned Expenditures:	\$ 240,000
Cash flow through end of year:	\$ 5,000	Total Project Estimate:	\$ 608,530
Project Balance	\$ 23,470	Additional Funding Required	\$ 216,530

Description of Work	Estimated Annual Expenditures					
	2016	2017	2018	2019	2020	Total
Monitoring	\$ 40,000		\$ 40,000		\$ 40,000	\$ 120,000
Lab analysis	\$ 25,000		\$ 25,000		\$ 25,000	\$ 75,000
Staff time	\$ 15,000		\$ 15,000		\$ 15,000	\$ 45,000
						\$ -
						\$ -
TOTAL	\$ 80,000	\$ -	\$ 80,000	\$ -	\$ 80,000	\$ 240,000

Funding Sources	Percentage	2016	Amount
Water FCCs	53%		\$29,961
Water Rates	47%		\$26,569
			\$0
Total	100%		\$56,530

Future monitoring dependent on agency review of first four years monitoring results (2008, 2010, 2012, and 2014). Staff to prepare proposal to FS, SWRCB, and ERC to reduce or eliminate monitoring for parameters Funding Comments: and/or at sites that are not affected by Project operations.

2016

CAPITAL IMPROVEMENT PLAN Program:

FERC

Project Number: 07010H
 Project Name: FERC: C15 Pesticide Use
 Project Category: Regulatory Requirements
 Priority: 1 PM: Gibson Board Approval: 10/13/15

Project Description:

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

Basis for Priority:

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

Project Financial Summary:			
Funded to Date:	\$ 623,000	Expenditures through end of year:	\$ 544,869
Spent to Date:	\$ 544,869	2016 - 2020 Planned Expenditures:	\$ 350,000
Cash flow through end of year:		Total Project Estimate:	\$ 894,869
Project Balance	\$ 78,131	Additional Funding Required	\$ 271,869

Description of Work	Estimated Annual Expenditures					
	2016	2017	2018	2019	2020	Total
Implementation	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 300,000
Equipment / Supplies	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 50,000
						\$ -
						\$ -
TOTAL	\$ 70,000	\$ 70,000	\$ 70,000	\$ 70,000	\$ 70,000	\$ 350,000

Funding Sources	Percentage	2016	Amount
Water FCCs	53%		\$0
Water Rates	47%		\$0
			\$0
Total	100%		\$0

Funding Comments:

2016

CAPITAL IMPROVEMENT PLAN Program:

FERC

Project Number:

07011H

Project Name:

FERC: C38 Adaptive Management Program

Project Category:

Regulatory Requirements

Priority:

1

PM:

Deason

Board Approval:

10/13/15

Project Description:

Mandatory requirement of the FERC license. Funding is for staff time to implement the adaptive management program (Condition 38) of the FERC license. This program requires coordination with the Ecological Resources Committee (ERC), implementation of the resource monitoring program, and evaluation of monitoring results to determine if resource objectives are achievable and being met.

Basis for Priority:

If unfunded, EID would be out of compliance with the FERC license, Section 14 of the Settlement Agreement, and USFS 4(e) condition 38.

Project Financial Summary:			
Funded to Date:	\$ 502,000	Expenditures through end of year:	\$ 487,551
Spent to Date:	\$ 477,551	2016 - 2020 Planned Expenditures:	\$ 250,000
Cash flow through end of year:	\$ 10,000	Total Project Estimate:	\$ 737,551
Project Balance	\$ 14,449	Additional Funding Required	\$ 235,551

Description of Work	Estimated Annual Expenditures					
	2016	2017	2018	2019	2020	Total
Implementation	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$ 250,000
						\$ -
						\$ -
						\$ -
TOTAL	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000

Funding Sources	Percentage	2016	Amount
Water FCCs	53%		\$18,842
Water Rates	47%		\$16,709
			\$0
Total	100%		\$35,551

Funding Comments:

2016

CAPITAL IMPROVEMENT PLAN Program:

FERC

Project Number:

08025H

Project Name:

FERC C44 Noxious Weed Monitoring

Project Category:

Regulatory Requirements

Priority:

1

PM:

Deason

Board Approval:

10/13/15

Project Description:

Mandatory requirement of the FERC license. Funding is requested to implement the noxious weed plan for the prevention and control of noxious weeds at Project No. 184 facilities. The plan was amended in 2012 to reduce annual monitoring requirements to conduct annual surveys only at areas where high priority noxious weeds are known to occur and at areas where ground disturbance occurred during the previous year. The amended plan also specifies that the entire project area only needs to be surveyed every 5 years. This amendment significantly reduced the scope and cost associated with this requirement.

Basis for Priority:

If unfunded, EID would be out of compliance with the FERC license, Section 8 of the Settlement Agreement, and USFS 4(e) condition 44.

Project Financial Summary:			
Funded to Date:	\$ 179,342	Expenditures through end of year:	\$ 164,382
Spent to Date:	\$ 161,382	2016 - 2020 Planned Expenditures:	\$ 102,000
Cash flow through end of year:	\$ 3,000	Total Project Estimate:	\$ 266,382
Project Balance	\$ 14,960	Additional Funding Required	\$ 87,040

Description of Work	Estimated Annual Expenditures					
	2016	2017	2018	2019	2020	Total
Implementation	\$30,000	\$15,000	\$15,000	\$15,000	\$15,000	\$ 90,000
Reporting	\$ 4,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 12,000
						\$ -
						\$ -
TOTAL	\$ 34,000	\$ 17,000	\$ 17,000	\$ 17,000	\$ 17,000	\$ 102,000

Funding Sources	Percentage	2016	Amount
Water FCCs	53%		\$10,091
Water Rates	47%		\$8,949
			\$0
Total	100%		\$19,040

Funding Comments: The monitoring plan requires the entire project area be surveyed every five years - this survey is scheduled to be conducted in 2016.

2016 CAPITAL IMPROVEMENT PLAN Program: General District

Project Number: 14035
Project Name: Enterprise GIS
Project Category: Reliability & Service Level Improvements
Priority: 3 **PM:** Wells / Ranstrom **Board Approval:** 10/13/15

Project Description:

Design and integrate enterprise GIS to existing customer information service database and maintenance management system to improve the data quality and efficiency of multiple current business processes. Project will enhance software applications and databases used daily to perform functions including enterprise asset management, maintenance management, customer information management, employee information management, records management, financial management, and geospatial information management. Scores of departmental databases supplement these core databases and are largely stand-alone at this time, requiring duplicate sets of data to be maintained in multiple places and causing inefficiency to manage and locate the data, plus confusion and potentially poor decisions when attempting to use data where quality is poor or inconsistent.

Basis for Priority:

Improve the speed and accuracy of critical and essential business processes used daily to perform operations, customer service, billing, financial management, regulatory reporting, and other key functions of the district.

Project Financial Summary:			
Funded to Date:	\$187,825	Expenditures through end of year:	\$ 154,738
Spent to Date:	\$154,738	2016 - 2020 Planned Expenditures:	\$ 650,000
Cash flow through end of year:	\$ -	Total Project Estimate:	\$ 804,738
Project Balance	\$ 33,087	Additional Funding Required	\$ 616,913

Description of Work	Estimated Annual Expenditures					Total
	2016	2017	2018	2019	2020	
Implementation	\$ 200,000	\$ 200,000	\$ 250,000			\$ 650,000
						\$ -
						\$ -
TOTAL	\$ 200,000	\$ 200,000	\$ 250,000	\$ -	\$ -	\$ 650,000

Funding Sources	Percentage	2016	Amount
Water Rates	60%		\$100,148
Wastewater Rates	40%		\$66,765
			\$0
Total	100%		\$166,913

Funding Comments:

2016 CAPITAL IMPROVEMENT PLAN Program: General District

Project Number: PLANNED
Project Name: Power Mitigation
Project Category: Reliability & Service Level Improvements
Priority: 2 **PM:** Eng **Board Approval:** 10/13/15

Project Description:

At the October 13, 2015 Board meeting, the Board directed that \$5,000,000 be added to the proposed Capital Improvement Plan, which would be earmarked for the identification, design, and implementation of power mitigation projects throughout the District. In-conduit hydro at Tank 3 and Tank 7, and expansion of solar at EDHWWTP and DCWWTP are currently planned for evaluation and/or implementation. As specific projects emerge, separate projects will be opened, or funding allocated to existing projects, similar to the waterline replacement program.

Basis for Priority:

Provide for increased revenues and/or reduced costs.

Project Financial Summary:			
Funded to Date:	\$ -	Expenditures through end of year:	\$ -
Spent to Date:	\$ -	2016 - 2020 Planned Expenditures:	\$ 5,000,000
Cash flow through end of year:	\$ -	Total Project Estimate:	\$ 5,000,000
Project Balance	\$ -	Additional Funding Required	\$ 5,000,000

Description of Work	Estimated Annual Expenditures					
	2016	2017	2018	2019	2020	Total
Study/Design/Implementation	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 5,000,000
						\$ -
						\$ -
						\$ -
TOTAL	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 5,000,000

Funding Sources	Percentage	2016	Amount
Water Rates	50%		\$500,000
Wastewater Rates	50%		\$500,000
			\$0
Total	100%		\$1,000,000

Funding Comments:

EL DORADO IRRIGATION DISTRICT

Subject: Consideration of a resolution to quitclaim easement (APN: 117-010-20).

Previous Board Actions:

August 11, 1997 – Board authorized acceptance of the easement now proposed to be quitclaimed.

Board Policies (BP), Administrative Regulations (AR), and Board Authority:

Water Code Section 22500 authorizes the conveyance of District property when the Board determines by resolution that the property is no longer necessary for District purposes.

Water Code Section 22502 requires all conveyances of District property to be executed by the secretary and president on behalf of the District in accordance with a resolution of the Board.

Summary of Issue(s):

The owner of Assessor's Parcel Number (APN) 117-010-20 has requested that the District quitclaim a waterline easement that burdens this property. The subject easement is no longer necessary for District purposes, because the waterline it housed has long since been relocated, and the District holds a new easement for the relocated water line.

Staff Analysis/Evaluation:

On August 11, 1997, the District and its Board authorized acceptance of a Grant of Easement from RPA, Inc. for the El Dorado Hills Business Park (APN 108-040-13 and 15). (Exhibit A) Since that time, the two APNs for this project were consolidated into APN 117-010-20.

In 2003, a portion of the District's eight-inch water main located within this easement at the El Dorado Hills Business Park was relocated by contractor WCE, Inc. (Exhibit B) The District received a new easement for the relocated main. Thus, the easement to be quitclaimed is no longer necessary for District purposes.

Because the District no longer requires the subject easement, it would be judicious to relieve District of all administrative and legal responsibilities associated with retaining the old easement on this parcel.

Board Decision/Options:

Option 1: Adopt a resolution to quitclaim the easement.

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

Option 3: Take no action.

Staff/General Manager's Recommendation:

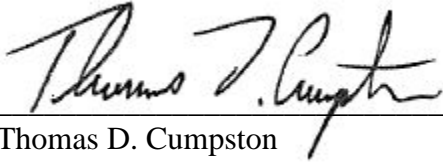
Option 1.

Supporting Documents Attached:

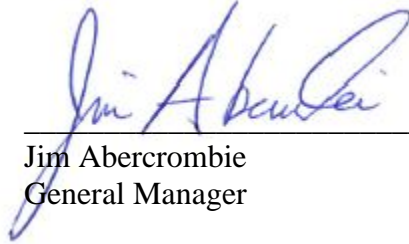
Attachments: Exhibit A: Resolution No. 97-65
Exhibit B: Location Map
Exhibit C: Proposed Resolution Quitclaiming Easement



Pat Johnson
Paralegal



Thomas D. Cumpston
General Counsel



Jim Abercrombie
General Manager

97-65

1 RESOLUTION OF THE BOARD OF DIRECTORS
 2 EL DORADO IRRIGATION DISTRICT
 3 AUTHORIZING THE ACCEPTANCE OF A GRANT OF EASEMENT FOR
 4 EL DORADO HILLS BUSINESS PARK, USCS INTERNATIONAL - IBS EXPANSION
 5 RPA, INC., A CALIFORNIA CORPORATION
 6 PARCEL NO. 108-040-13 & 14, PROJECT/WORK ORDER NO. 97-3255

6 BE IT, AND IT IS HEREBY RESOLVED by the Board of Directors of EL DORADO
 7 IRRIGATION DISTRICT that that certain Grant of Easement No. 30-97 from RPA, INC., a
 8 California corporation, by Terence M. Rooney, President, Grantor, to EL DORADO IRRIGATION
 9 DISTRICT, Grantee, dated July 21, 1997, conveying that certain Grant of Easement situated in the
 10 County of El Dorado, State of California, be, and the same is hereby accepted on behalf of EL
 11 DORADO IRRIGATION DISTRICT.

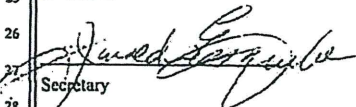
12 The foregoing resolution was introduced at a regular meeting of the Board of Directors of EL
 13 DORADO IRRIGATION DISTRICT, held on the 11th day of August, 1997, by Director Rigsby,
 14 who moved its adoption. The motion was seconded by Director Larsen, and a poll vote taken which
 15 stood as follows:

- 16 AYES: Directors Larsen, Rigsby, Akin, Tatti, Sellwood
 17 NOES: None
 18 ABSENT: None

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

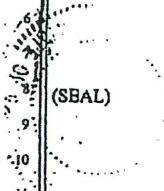


 President, Board of Directors of
 EL DORADO IRRIGATION DISTRICT

25 ATTEST:
 26 
 27 Secretary
 28 (SEAL)

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I, the undersigned, Secretary 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 11th day of August, 1997.



James S. Espinosa
Secretary, EL DORADO IRRIGATION DISTRICT

maclto
El Dorado Irrigation District
2890 Mosquito Road
Placerville, CA 95667

040859

EL DORADO IRRIG. DIST.
CLERK

Documentary Transfer Tax \$ 0
____ Computed on full value of property conveyed
____ Or computed on full value less liens and encumbrances remaining at time of sale.

JH EID
Signature of declarant of agent determining tax
Permission to use pipeline from Grantor
LOC: EL DORADO HILLS BUSINESS PARK
Parcel No.: 108-040-13 #15

NO FEE

For County Recorder Use Only

GRANT OF EASEMENT

RPA, INC., A CALIFORNIA CORPORATION

hereinafter called GRANTOR, does hereby grant to the EL DORADO IRRIGATION DISTRICT, its successors and assigns, hereinafter called GRANTEE, permanent and exclusive right to enter, re-enter, occupy and use the hereinafter described property to construct, maintain, repair, replace, remove, enlarge and operate one or more WATER pipelines and all underground and surface appurtenances thereto on, over, across and under all that certain real property situate in the County of El Dorado, State of California, described as follows:

SEE ATTACHED EXHIBIT(S)

The Grantor shall not construct or place any structure, excluding roadways and sidewalks, including, but not limited to, building, street light, power pole, yard light, block or concrete type walls or fencing, or plant any permanent shrub, or tree, on any part of the above described easement as of the date of this agreement. Any of the above described items placed within the above described easement subsequent to the date of this easement, may be removed by the District without liability for damages arising therefrom.

IN WITNESS WHEREOF, GRANTOR has hereunto subscribed (his) ~~the~~ ~~(their)~~ name(s) this 21st day of July, 1997.

[Signature]
TERENCE M. ROONEY
PRESIDENT, RPA, INC., a Calif. corp.
2969 Prospect Park
Rancho Cordova, CA 9567-

STATE OF CALIFORNIA)

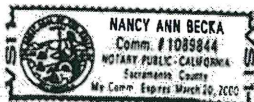
)ss.:

COUNTY OF Sacramento

Address:

On July nineteenth before me, Nancy Ann Becka a notary public, personally appeared Terence M. Rooney personally known to me (or proved to me on the basis of satisfactory evidence) to be the person (or whose name is 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.

Notary Seal



WITNESS my hand and official seal.

Nancy Ann Becka
Notary Public

EXHIBIT 'A'
EL DORADO IRRIGATION DISTRICT
USCS INTERNATIONAL - IBS EXPANSION
WATER LINE EASEMENTS

BEING A PORTION OF PARCEL 'A', AS SHOWN ON THAT CERTAIN PARCEL MAP ENTITLED "A PORTION OF THE SW ¼ OF SECTION 24, T. 9 N., R. 8 E., M.D.M.", FILED IN THE OFFICE OF THE COUNTY RECORDER OF EL DORADO COUNTY, CALIFORNIA, ON APRIL 20, 1987 IN BOOK 37 OF PARCEL MAPS, AT PAGE 23, AND A PORTION OF PARCEL 1 AS SHOWN ON THAT CERTAIN PARCEL MAP ENTITLED "A PORTION OF THE SW ¼ OF SECTION 24, T. 9 N., R. 8 E., M.D.M.", FILED IN THE OFFICE OF THE COUNTY RECORDER OF EL DORADO COUNTY, CALIFORNIA, ON MAY 5, 1988 IN BOOK 38 OF PARCEL MAPS, AT PAGE 137, DESCRIBED AS FOLLOWS:

PARCEL A:

COMMENCING AT THE SOUTHEAST CORNER OF SAID PARCEL 1; THENCE SOUTH 49°18'09" WEST 31.50 FEET ALONG THE SOUTHERLY LINE OF SAID PARCEL 1 TO A POINT ON THE WESTERLY LINE OF THE 30 FOOT WIDE ROAD EASEMENT AS SHOWN ON SAID MAP, SAID POINT ALSO BEING THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE NORTHEAST, HAVING A RADIUS OF 255.00 FEET AND A RADIAL BEARING OF SOUTH 66°28'57" WEST. THENCE 23.84 FEET NORTHWESTERLY ALONG SAID EASEMENT LINE AND CURVE, THROUGH A CENTRAL ANGLE OF 05°21'27" TO THE TRUE POINT OF BEGINNING; THENCE LEAVING SAID EASEMENT LINE AND CURVE, SOUTH 75°50'58" WEST 63.15 FEET; THENCE SOUTH 89°27'59" WEST 41.53 FEET; THENCE NORTH 45°32'01" WEST 40.71 FEET; THENCE NORTH 00°32'01" WEST 17.87 FEET; THENCE SOUTH 89°20'27" WEST 56.84 FEET; THENCE NORTH 00°39'33" WEST 5.00 FEET; THENCE SOUTH 89°20'27" WEST 430.33 FEET TO A POINT ON THE EASTERLY LINE OF THE WATER LINE EASEMENT GRANTED TO EL DORADO IRRIGATION DISTRICT ON AUGUST 10, 1988, RECORDED IN BOOK 2994 OF EL DORADO COUNTY OFFICIAL RECORDS, AT PAGE 41 THENCE NORTH 00°39'52" WEST 20.00 FEET ALONG SAID EASEMENT LINE; THENCE LEAVING SAID EASEMENT LINE NORTH 89°20'27" EAST 487.23 FEET; THENCE NORTH 00°32'01" WEST 147.92 FEET; THENCE NORTH 89°27'59" EAST 20.00 FEET; THENCE SOUTH 00°32'01" EAST 182.51 FEET; THENCE SOUTH 45°32'01" EAST 34.14 FEET; THENCE NORTH 89°27'59" EAST 30.86 FEET; THENCE NORTH 75°50'58" EAST 60.15 FEET TO A POINT ON THE WESTERLY LINE OF SAID 30 FOOT WIDE ROAD EASEMENT, SAID POINT ALSO BEING THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE NORTHEAST HAVING A RADIUS OF 255.00 FEET AND A RADIAL BEARING OF SOUTH 76°20'13" WEST; THENCE 20.01 FEET SOUTHEASTERLY ALONG SAID EASEMENT LINE AND CURVE, THROUGH A CENTRAL ANGLE OF 04°29'49" TO THE TRUE POINT OF BEGINNING, CONTAINING 0.375 ACRES MORE OR LESS.

PARCEL B:

COMMENCING AT THE NORTHWEST CORNER OF SAID PARCEL 1; THENCE NORTH 89°20'08" EAST 35.00 FEET ALONG THE NORTHERLY LINE OF SAID PARCEL 1 TO A POINT ON THE WESTERLY LINE OF THE WATER LINE EASEMENT GRANTED TO EL DORADO IRRIGATION DISTRICT ON AUGUST 10, 1988, RECORDED IN BOOK 2994 OF EL DORADO COUNTY OFFICIAL RECORDS, AT PAGE 41; THENCE SOUTH 00°39'52" EAST 49.92 FEET ALONG SAID

WESTERLY LINE TO THE TRUE POINT OF BEGINNING; THENCE CONTINUING ALONG SAID EASEMENT LINE SOUTH 00°39'52" EAST 20.00 FEET; THENCE LEAVING SAID EASEMENT LINE SOUTH 89°20'08" WEST 15.50 FEET; THENCE NORTH 00°39'52" WEST 20.00 FEET; THENCE NORTH 89° 20'08" EAST 15.50 FEET TO THE TRUE POINT OF BEGINNING, CONTAINING 0.007 ACRES MORE OR LESS.

PARCEL C:

COMMENCING AT THE SOUTHEAST CORNER OF SAID PARCEL 'A'; THENCE SOUTH 89°20'08" WEST 30.00 FEET TO THE WESTERLY LINE OF THE ROAD EASEMENT AS SHOWN ON CERTAIN PARCEL MAP ENTITLED "A PORTION OF THE SW ¼ OF SECTION 24, T. 9 N., R. 8 E., M.D.M.", FILED IN THE OFFICE OF THE COUNTY RECORDER OF EL DORADO COUNTY, CALIFORNIA, ON MAY 5, 1988 IN BOOK 38 OF PARCEL MAPS, AT PAGE 137, THENCE NORTH 00°39'52" WEST 42.70 FEET ALONG SAID WESTERLY LINE TO THE TRUE POINT OF BEGINNING, THENCE LEAVING SAID EASEMENT LINE SOUTH 89°10'21" WEST 98.99 FEET; THENCE SOUTH 00°32'01" EAST 19.74 FEET; THENCE SOUTH 89°27'59" WEST 30.00 FEET; THENCE NORTH 00°32'01" WEST 39.59 FEET; THENCE NORTH 89°10'21" EAST 128.94 FEET TO SAID WESTERLY EASEMENT LINE; THENCE ALONG SAID LINE SOUTH 00°39'52" EAST 20.00 FEET TO THE TRUE POINT OF BEGINNING, CONTAINING 0.072 ACRES MORE OR LESS.

Robert C. Bangert 7-18-97
ROBERT C. BANGERT LS5250 DATE
LICENSE EXPIRES 12-31-99



LINE	DIRECTION	DISTANCE
1	S75°50'58"W	63.15'
2	S89°27'59"W	41.53'
3	N45°32'01"W	40.71'
4	N00°32'01"W	17.87'
5	S89°20'27"W	56.84'
6	N00°39'33"W	5.00'
7	S89°20'27"W	430.33'
8	N00°39'52"W	20.00'
9	N89°20'27"E	487.23'
10	N00°32'01"W	147.92'
11	N89°27'59"E	20.00'
12	S00°32'01"E	182.51'
13	S45°32'01"E	24.14'
14	N89°27'59"E	30.86'
15	N75°50'58"E	60.15'
16	S00°39'52"E	20.00'
17	S89°20'08"E	15.50'
18	N00°39'52"W	20.00'
19	N89°20'08"E	15.50'
20	S89°10'21"W	98.98'
21	S00°32'01"E	19.74'
22	S89°27'59"W	30.00'
23	N00°32'01"W	39.58'
24	N89°10'21"E	128.94'
25	S00°39'52"E	20.00'

CURVE	RADIUS	LENGTH	DELTA
C1	255.00'	20.01'	0°4'29.49"



**EXHIBIT 'B' - USCS INTERNATIONAL - IBS EXPANSION
EL DORADO IRRIGATION DISTRICT WATER LINE EASEMENTS**

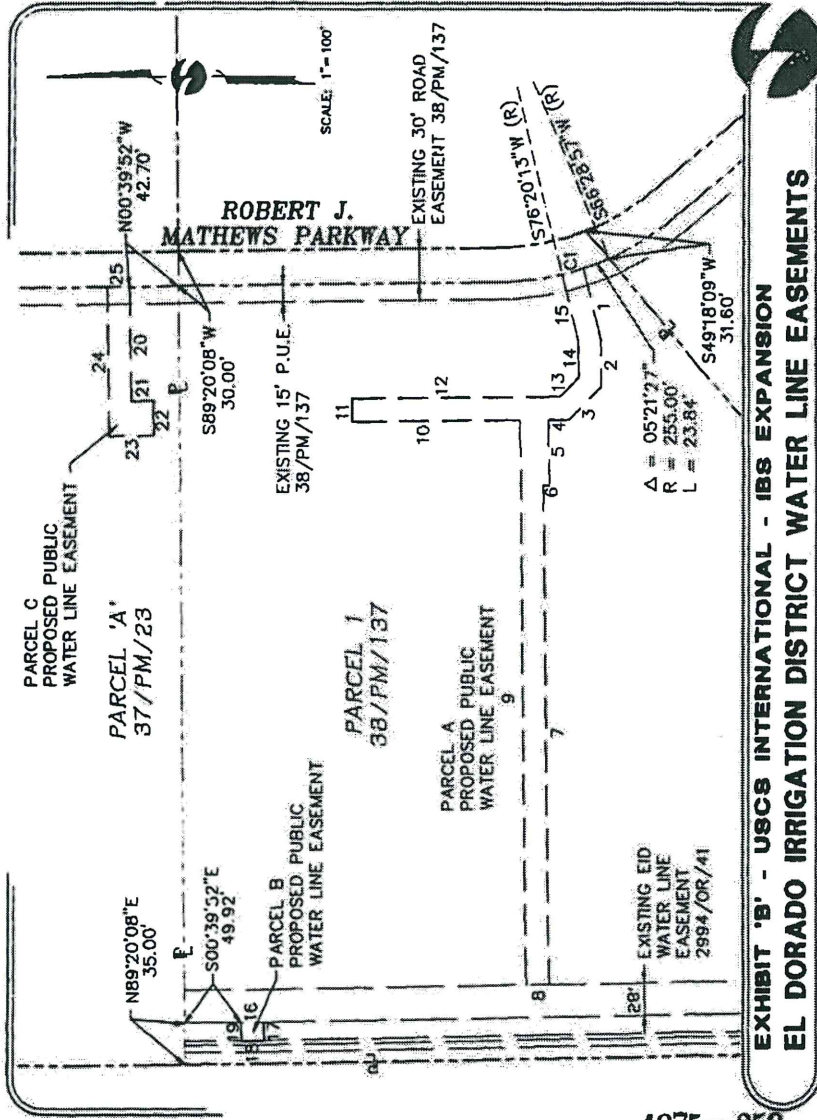
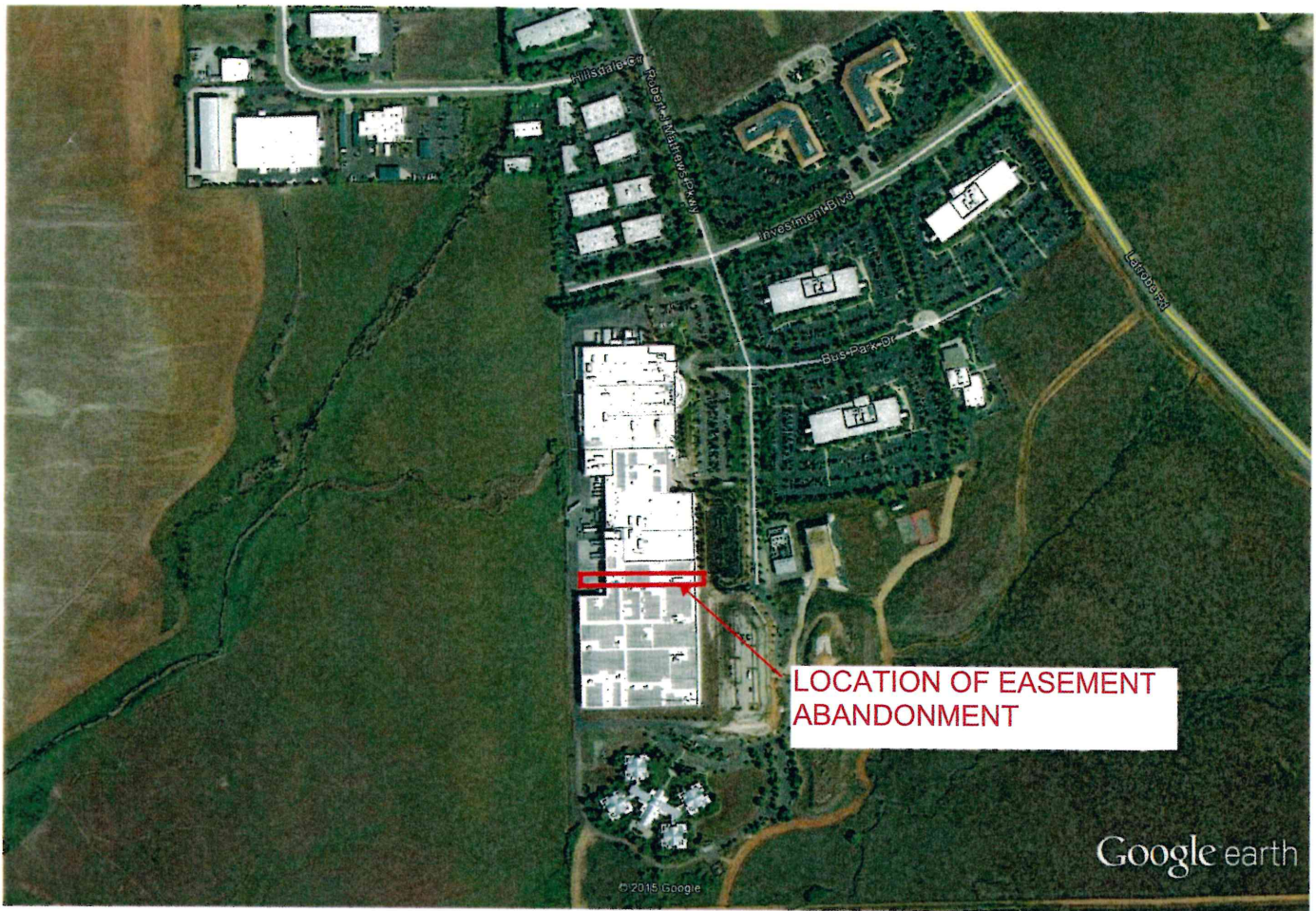


EXHIBIT 'B' - USCS INTERNATIONAL - IBS EXPANSION
 EL DORADO IRRIGATION DISTRICT WATER LINE EASEMENTS



Google earth



**RESOLUTION OF THE BOARD OF DIRECTORS OF
EL DORADO IRRIGATION DISTRICT
APPROVING AND AUTHORIZING EASEMENT QUITCLAIM
(APN: 117-010-20)**

WHEREAS, EL DORADO IRRIGATION DISTRICT (District) authorized acceptance of a Grant of Easement (Subject Easement) on August 11, 1997 for the purpose of a waterline for the El Dorado Hills Business Park on Assessor’s Parcel Numbers (APNs) 108-040-13 and 15; and

WHEREAS, APNs 108-040-13 and 15 were consolidated and became APN 117-010-20; and

WHEREAS, in 2003 a portion of District’s eight-inch water main located within Easement (herein depicted in Exhibit B) was relocated by contractor WCE, Inc. outside APN 117-010-20, and the District received an easement for the relocated waterline; and

WHEREAS, the Subject Easement is therefore no longer necessary for District purposes;

NOW, THEREFORE, BE IT AND IT IS HEREBY RESOLVED by the Board of Directors of EL DORADO IRRIGATION DISTRICT that the District authorizes the quitclaim of all interest in the Subject Easement more particularly described and depicted in Exhibit A attached hereto.

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1 The foregoing Resolution was introduced at a meeting of the Board of Directors of
2 the EL DORADO IRRIGATION DISTRICT, held on the 14th day of December, 2015, by
3 Director _____, who moved its adoption. The motion was seconded by
4 Director _____, and a poll vote taken, which stood as follows:
5

6 AYES:

7 NOES:

8 ABSENT:

9 ABSTAIN:
10

11 The motion having a majority of votes "Aye", the resolution was declared to have been
12 adopted, and it was so ordered.
13

14
15 _____
16 Bill George
17 President, Board of Directors of
18 EL DORADO IRRIGATION DISTRICT

17 ATTEST:
18
19

20 _____
21 Jennifer Sullivan
22 Clerk to the Board
23

24 (SEAL)
25
26
27

1 I, the undersigned, Clerk to the Board of the EL DORADO IRRIGATION DISTRICT,
2 hereby certify that the foregoing resolution is a full, true and correct copy of a resolution of the
3 Board of Directors of the EL DORADO IRRIGATION DISTRICT entered into and adopted at a
4 regular meeting of the Board of Directors held on the 14th day of December 2015.
5

6
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8 _____
9 Jennifer Sullivan
10 Clerk to the Board
11 EL DORADO IRRIGATION DISTRICT
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Recording Requested By, & Mail To:
El Dorado Irrigation District
2890 Mosquito Road
Placerville, CA 95667
c/o Aaron Dinsdale

Name: **DST Realty of California, Inc.**
Address: **333 W. 11th Street, No. 101**
Kansas City, MO 64105
APN: 117-010-20
Documentary Transfer Tax \$ 0 RTT 11922

For County Recorder's Use Only

EASEMENT QUITCLAIM

EL DORADO IRRIGATION DISTRICT does hereby **REMISE, RELEASE AND FOREVER QUIT CLAIM** to **DST REALTY OF CALIFORNIA, INC.**, all right, title, and interest possessed by **EL DORADO IRRIGATION DISTRICT** in that certain easement granted and described in the document recorded at Book 4975, Pages 255 through 259 of the Official Records of El Dorado County, California.

By: _____
Bill George
President
EL DORADO IRRIGATION DISTRICT

Date: _____

By: _____
Jim Abercrombie
General Manager
EL DORADO IRRIGATION DISTRICT

Date: _____

EL DORADO IRRIGATION DISTRICT

Subject: Adopt a resolution declaring District property surplus and approving sale or other disposal of surplus property (APN: 327-270-09).

Previous Board Actions:

None.

Board Policies (BP), Administrative Regulations (AR), and Board Authority:

Water Code section 22500 authorizes the Board to sell property on terms in the best interests of the District, when it determines by resolution that the property is no longer necessary for District purposes.

Summary of Issue(s):

Randy Robinson, DVM, recently purchased 4545 Missouri Flat Road (APN: 327-270-10), which is contiguous to and surrounds District property APN: 327-270-09. Dr. Robinson will be constructing a new veterinary clinic on the newly-purchased property. Dr. Robinson has expressed interest by a Letter of Intent (Exhibit A) to purchase the District's contiguous 0.02-acre property. His intended use for the property is for parking and signage.

Staff Analysis/Evaluation:

The District's property at this Missouri Flat Road location was likely intended to house facilities associated with a water or sewer project that never came to fruition. The property has no independent utility and should be declared surplus with consideration of sale to Dr. Randy Robinson for the purpose of his veterinary practice.

Property proposed by staff to be surplus is required to be presented to District's Board of Directors for review and approval by resolution.

The District no longer requires the subject property. It would be judicious to relieve the District of all administrative and legal responsibilities associated with retaining the property.

Board Decision/Options:

Option 1: Adopt a Resolution declaring District property surplus and approve sale or other disposal of surplus property. (APN: 327-270-09)

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

Option 3: Take no action.

Staff/General Manager's Recommendation:

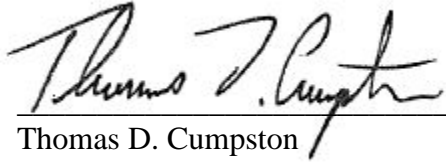
Option 1.

Supporting Documents Attached:

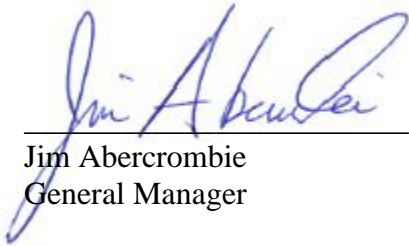
Attachments: Exhibit A – Letter of Intent
Exhibit B – Resolution



Pat Johnson
Paralegal



Thomas D. Cumpston
General Counsel



Jim Abercrombie
General Manager

O'Brien & Associates

REAL ESTATE

Exhibit A

RECEIVED

NOV 17 2015

EL DORADO IRRIGATION DISTRICT

Aaron Dinsdale-(RWA)
Engineering Technician II
El Dorado Irrigation District
2890 Mosquito RD
Placerville, CA 95667

11/16/15

Dear Mr. Aaron Dinsdale;

LETTER OF INTENT

Dr. Randall Robinson D.V.M has shown interest on the purchase of Property owned by El Dorado Irrigation District, APN-327-270-09 said property is located on Missouri Flat Road.

Dr. Robinson recently purchased 4545 Missouri Flat Road (APN327-270-10) that is contiguous to E.I.D property (APN-327-280-09).

Purpose of the purchased 4545 Missouri Flat Road is going to build a new Veterinarian Clinic, the existing Veterinarian Clinic will be removed. The purchase of the E.I.D property (APN-327-270-09) would help with parking & signage.

Mr. Dinsdale thank you for responding, if you have any questions, please let me know.

Thank you,

Dennis O'Brien-Broker-ID# 00841497
76 Main Street
Placerville, CA 95667
Bus: 530-636-4824
Fax: 530-626-8890
Cell: 530-363-5199
E-Mail: dennis-ob@comcast.net



Property Detail

El Dorado, CA TIM HOLCOMB, ASSESSOR

Parcel # (APN): **327-270-09-1** Use Description: **UNASSIGNED**
 Parcel Status: **OTHER**
 Owner Name: **EL DORADO IRRIGATION DIST**

Mailing Address: **2890 MOSQUITO RD PLACERVILLE, CA 95667**

Situs Address:

Legal

Description: **SEC 24-10-10****ASSESSMENT**

Total Value:	Use Code:	Zoning: I
Land Value:	Tax Rate Area: 078057	Census Tract:
Impr Value:	Year Assd: 2005	Improve Type:
Other Value:	Property Tax:	Price/SqFt:
% Improved	Delinquent Yr	
Exempt Amt:	HO Exempt?: N	

SALES HISTORY

	<u>Sale 1</u>	<u>Sale 2</u>	<u>Sale 3</u>	<u>Transfer</u>
Recording Date:	08/29/1961			08/29/1961
Recorded Doc #:	0574 639	0000 000	0000 000	0574 639
Recorded Doc Type:				
Transfer Amount:				
Sale 1 Seller (Grantor):				
1st Trst Dd Amt:	Code1:	2nd Trst Dd Amt:	Code2:	

PROPERTY CHARACTERISTICS

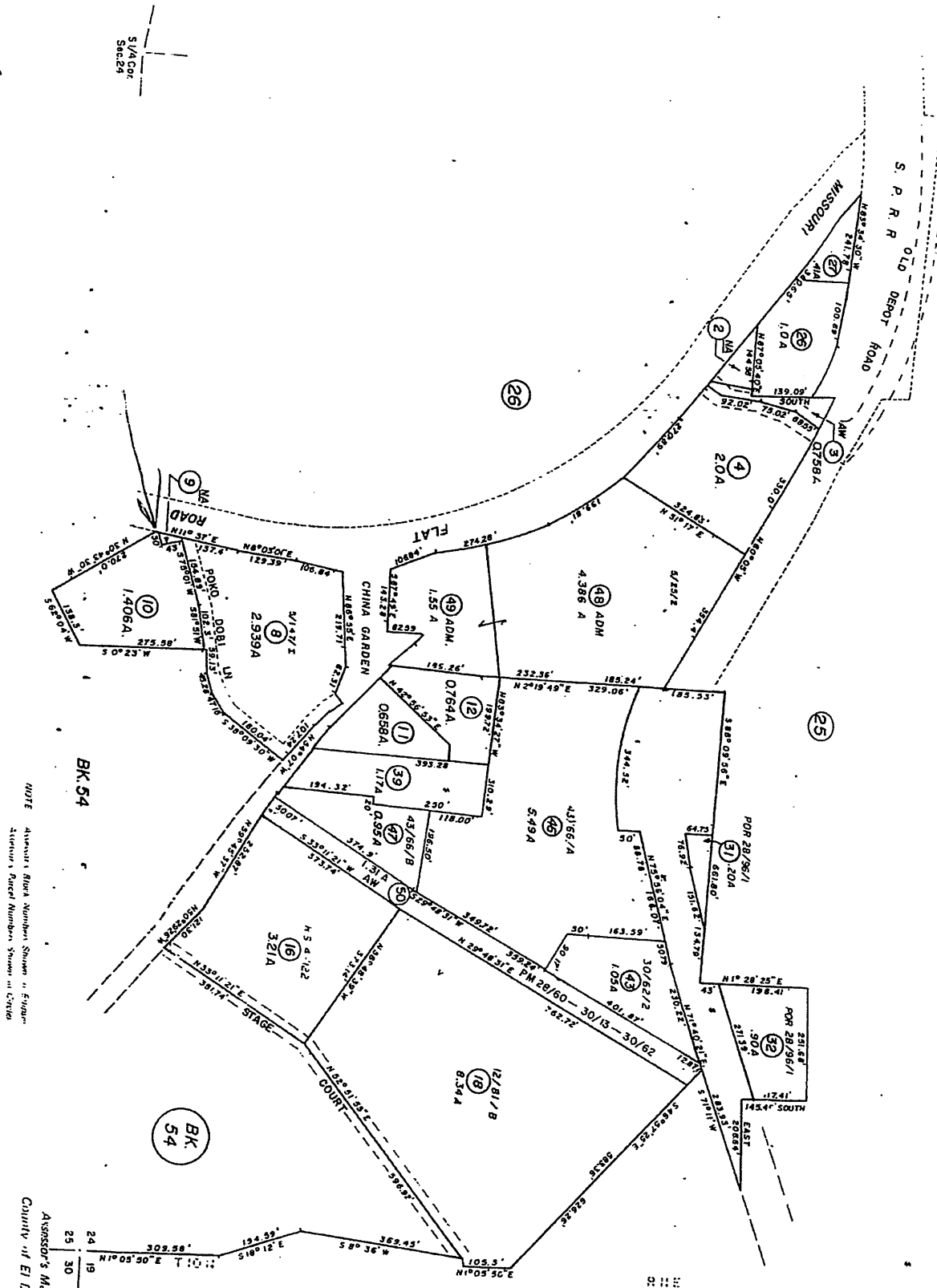
Lot Acres: 0.020	Year Built:	Fireplace:
Lot SqFt:	Effective Yr:	A/C:
Bldg/Liv Area:		Heating:
Units:	Total Rooms:	Pool:
Buildings:	Bedrooms:	
Stories:	Baths (Full):	Park Type:
Style:	Baths (Half):	Spaces:
Construct:		Site Inflnce:
Quality:	Garage SqFt:	
Building Class:		Timber Preserve:
Condition:		Ag Preserve:
Other Rooms:		

POR'S SECS. 24 & 25, T10N, R10E, M. D.M.

San Arroyo Cutoff

327:27

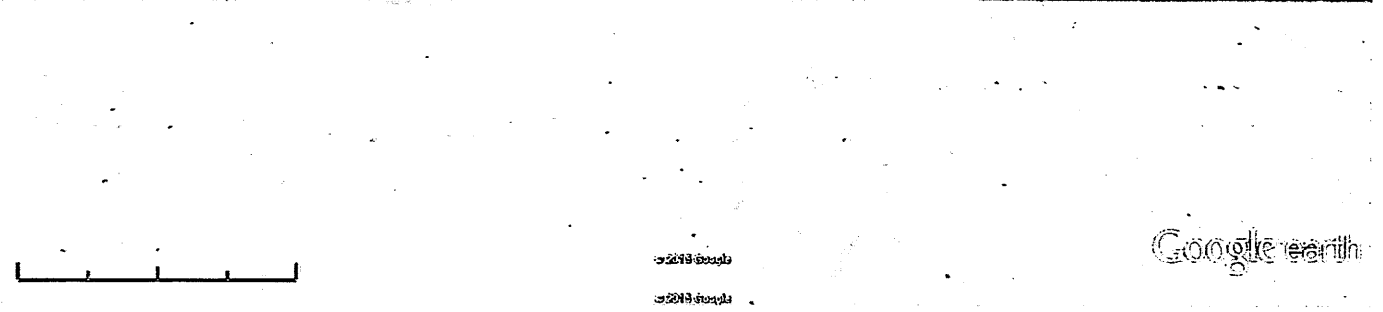
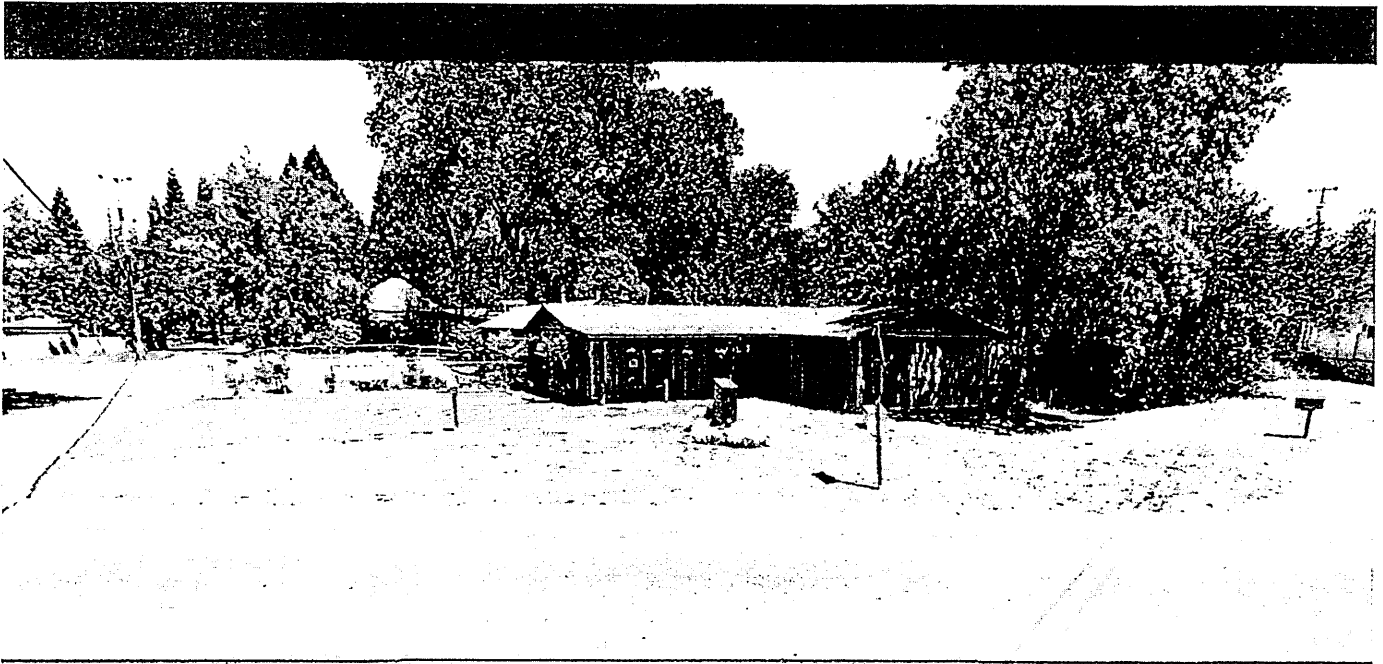
1/2" = 200'



NOTE: Avenue's Block Numbers Shown in Figure
Illustrate Parcel Numbers Shown in Figure

Assessor's Map Bk. 327 Pg. 27.
County of El Dorado, California

S1/4 Cor
Sec. 24



Google earth

feet 9
meters 2



**RESOLUTION OF THE BOARD OF DIRECTORS OF
EL DORADO IRRIGATION DISTRICT
DECLARING CERTAIN DISTRICT REAL PROPERTY TO BE SURPLUS
APN: 327-270-09**

WHEREAS, EL DORADO IRRIGATION DISTRICT (District) owns certain real property described as El Dorado County Assessor’s Parcel Number 327-270-09 (Property); and

WHEREAS, Randy Robinson, DVM, seeks to purchase to District Property as it is contiguous to his property located on 4545 Missouri Flat Road, Placerville, California for the purpose of enhancing his veterinary clinic;

WHEREAS, the Property is no longer necessary for District purposes; and

WHEREAS, District staff has recommended that Property be declared surplus to the needs of the District and sold or otherwise disposed of in a manner that serves the District’s best interests; and

WHEREAS, Water Code section 22500 states that when a Board determines by resolution entered upon the minutes that any property of the District is no longer necessary for District purposes, the District may for a valuable consideration sell or lease the property upon terms that appear to the Board to be for the best interests of the District; and

NOW, THEREFORE, BE IT AND IT IS HEREBY RESOLVED by the Board of Directors of EL DORADO IRRIGATION DISTRICT that the District dispose of its interest in the Property depicted as Assessor Parcel Number 327-270-09 (Exhibit A) to the needs of the District and authorizes the General Manager to effectuate its sale or other disposal to the adjoining landowner.

///

The foregoing Resolution was introduced at a meeting of the Board of Directors of the EL DORADO IRRIGATION DISTRICT, held on the 14th day of December, 2015, 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.

Bill George
President, Board of Directors of
EL DORADO IRRIGATION DISTRICT

ATTEST:

Jennifer Sullivan
Clerk to the Board

(SEAL)

1 I, the undersigned, Clerk to the Board of the EL DORADO IRRIGATION DISTRICT,
2 hereby certify that the foregoing resolution is a full, true and correct copy of a resolution of the
3 Board of Directors of the EL DORADO IRRIGATION DISTRICT entered into and adopted at a
4 regular meeting of the Board of Directors held on the 14th day of December 2015.
5

6
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8 _____
9 Jennifer Sullivan
10 Clerk to the Board
11 EL DORADO IRRIGATION DISTRICT
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EL DORADO IRRIGATION DISTRICT

Subject: Consideration of a resolution to authorize release and disposal of sewer easements due to relocation [APNs: 120-700-04 and -05]

Previous Board Actions:

None.

Board Policies (BP), Administrative Regulations (AR), and Board Authority:

Water Code Section 22500 authorizes the conveyance of District property when the Board determines by resolution that the property is no longer necessary for District purposes.

Water Code Section 22502 requires all conveyances of District property to be executed by the secretary and president on behalf of the District in accordance with a resolution of the Board.

Summary of Issue(s):

Due to sewer-line relocation in the development of Ridgeview West Unit No. 5 located in El Dorado Hills, California, the District no longer requires the continued existence of portions of District sewer and public utility easements present on Assessor's Parcel Numbers (APNs) 120-700-04 and 05.

Staff Analysis/Evaluation:

CTA Engineering & Surveying has requested District release its interest in portions of a sewer easement and public utility easement (PUE) located on lots 1 through 4 (APN 120-700-04 and 05) in the development of Ridgeview West located in El Dorado Hills, California. (Exhibit A) While the PUE abandonment request requires only a "no-objection letter" submitted by District staff to the County, which abandons the PUE, the District also holds a sewer easement, which requires Board action. A portion of the District sewer line has been relocated due to design adjustments and new development. For simplicity, the entirety of the old easement, including the portion of the sewer line that has not been relocated, would be relinquished; the District has already acquired a new easement for the portion of the sewer line that remains on the property.

Easement abandonment proposed by staff requires presentation to District's Board of Directors for review and approval by resolution.

Because the District has a new easement for its sewer line on the property and therefore no longer requires any portion of the old easement (nor of a small stretch of PUE that the County will abandon), it would be judicious to relieve District of all administrative and legal responsibilities associated with retaining these property interests.

Board Decision/Options:

Option 1: Adopt a resolution approving and authorizing execution of the abandonment of easement submitted.

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

Option 3: Take no action.

Staff/General Manager's Recommendation:

Option 1.

Supporting Documents Attached:

A. Proposed Resolution to release and dispose of easement interests

Pat Johnson

Pat Johnson
Paralegal

Thomas D. Cumpston

Thomas D. Cumpston
General Counsel

Jim Abercrombie

Jim Abercrombie
General Manager

1 **RESOLUTION OF THE BOARD OF DIRECTORS OF**
2 **EL DORADO IRRIGATION DISTRICT**
3 **APPROVING AND AUTHORIZING RELEASE AND DISPOSAL**
4 **OF EASEMENT INTERESTS**
5 **APNs: 120-700-04 and -05**

6 **WHEREAS**, EL DORADO IRRIGATION DISTRICT (District) has a sewer line located
7 within a previously acquired District sewer easement (“Subject Sewer Easement”) and a portion
8 of a public utility easement (PUE) located within the development of Ridgeview West Unit No.
9 5, to wit, Assessor Parcel Numbers 120-700-04 and -05 (“Subject Property”), located in El
10 Dorado Hills, California; and

11 **WHEREAS**, the District’s sewer line has been re-routed outside of a portion of the
12 Subject Sewer Easement and PUE on the Subject Property; and

13 **WHEREAS**, the owner of the Subject Property has granted, and the District has
14 accepted, a new easement for all portions of the relocated sewer line that remain on the Subject
15 Property; and

16 **WHEREAS**, the Subject Sewer Easement and portion of the PUE are no longer
17 necessary for District purposes, because the newly granted sewer-line easement provides the
18 District with sufficient interests in the Subject Property, and CTA Engineering & Surveying has
19 therefore respectfully requested that District release its interests in the Subject Sewer Easement
20 and portion of the PUE to clear title;
21
22

23
24 **NOW, THEREFORE, BE IT AND IT IS HEREBY RESOLVED** by the Board of
25 Directors of EL DORADO IRRIGATION DISTRICT that the District is authorized to take all
26 actions necessary, including but not limited to a Quitclaim and Letter of No Objection, to release
27

1 and dispose of all interests in the Subject Sewer Easement and portions of the PUE more
2 particularly described and depicted in Exhibit A attached hereto.
3

4
5 The foregoing Resolution was introduced at a meeting of the Board of Directors of
6 the EL DORADO IRRIGATION DISTRICT, held on the 14th day of December, 2015, by
7 Director _____, who moved its adoption. The motion was seconded by
8 Director _____, and a poll vote taken, which stood as follows:

9 AYES:

10 NOES:

11 ABSENT:

12 ABSTAIN:

13
14 The motion having a majority of votes "Aye", the resolution was declared to have been
15 adopted, and it was so ordered.
16

17
18 _____
19 Bill George
20 President, Board of Directors of
21 EL DORADO IRRIGATION DISTRICT

22 ATTEST:

23 _____
24 Jennifer Sullivan
25 Clerk to the Board
26

27 (SEAL)

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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 14th day of December 2015.

Jennifer Sullivan
Clerk to the Board
EL DORADO IRRIGATION DISTRICT

Civil Engineering ■ Land Surveying ■ Land Planning

May 11, 2015

Mr. Aaron Dinsdale
EID
2890 Mosquito Road
Placerville, CA 95667

Dear Mr. Dinsdale:

We are requesting an abandonment of a public utility easement located on the proposed lots 1 thru 4 (APN 120-700-04 and 05) of Ridgeview West Unit No. 5. An exhibit is provided showing the "easements being abandoned" and "easements remaining or dedicated. The reasons for both are as follows:

Easements being abandoned:

1. Slope Easement along Via Barlogio – no longer required
2. Portion of Drainage Easement at SW corner of Via Barlogio and Via Treviso – new drain system
3. Sewer and Drainage Easement along West and South line of existing Lot 4 – new sewer and drainage system
4. 5'x50' Public Utility Easement on each side of existing lot line between Lots 4 & 5 – lot line merged and resubdivided

Easements remaining or dedicated:

1. New E.I.D. sewer easement along South line proposed Lots 3 & 4
2. New 5'x50' Public Utility Easements along the side lot lines
3. New Drainage Easement within proposed Lot 4
4. New Drainage Easement within proposed Lot 3 (by separate I.O.D. in process)
5. Portion of existing Drainage Easement at Southwest corner of Via Barlogio and Via Treviso
6. 12.5' Public Utility Easement adjacent to Via Barlogio and Via Treviso

The El Dorado County Surveyor's Office requires your statement of "no-objection". Please return the attached Vacation (Abandonment) Release Letter (Letter) to Connie Peach, at the address listed below, with your original signature and you may also email a digital copy to the El Dorado County Surveyor's Office at surveyor@edcgov.us. The Letter must cite the assessor's parcel number and have the exhibit identifying the specific location of the easement(s) to be abandoned attached. I have provided an extra copy of the exhibits for that purpose. For further clarity your letter can reference the exhibits. (i.e. "Please Proposed Easement Modifications/Abandonment Exhibit attached") The County Surveyor's Office is requesting this degree of specificity in order to protect your rights and interests.

If, at this time, you would like to release all of your interests on these parcels, please note that on the exhibit and in the letter.

Thank you for your prompt attention to this request.

Sincerely,

CTA Engineering & Surveying








Kevin A. Heeney, PLS
Vice President





KAH/csp

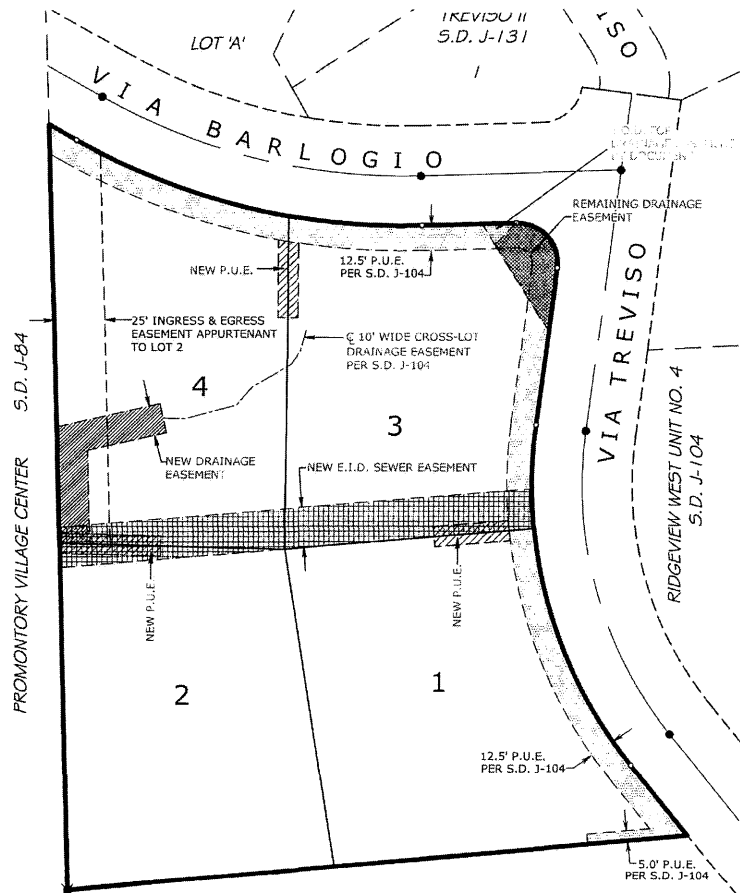
enc.

RIDGEVIEW WEST UNIT NO. 5 Proposed Easement Modifications/Abandonments

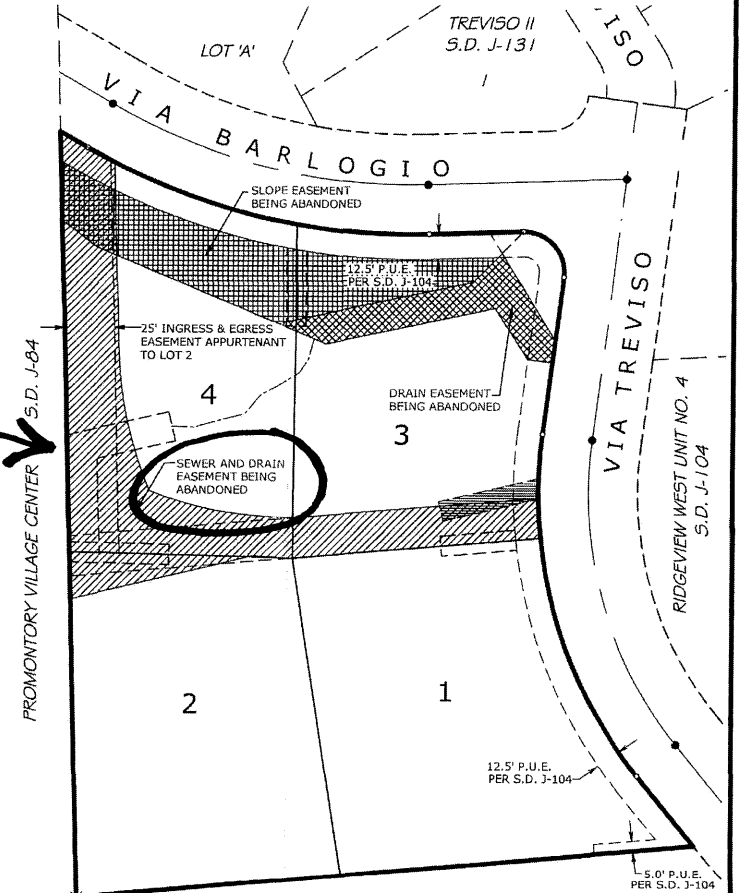

Engineering & Surveying
 Civil Engineering - Land Surveying - Land Planning
 3233 Merler Circle, Rancho Cordova, CA 95742
 781.938.2010 • F. 916.648.2015 • www.cta.com

-  Existing P.U.E. to remain
-  New P.U.E. dedicated on map
-  Existing Drainage Easement to remain
-  New Drainage Easement by Document
-  New Drainage Easement dedicated on map
-  New E.I.D. Sewer Easement by Document

-  Existing Drainage Easement to be abandoned
-  Existing Sewer & Drainage Easement to be abandoned
-  Existing Slope Easement to be abandoned
-  Existing Public Utility Easement to be abandoned



Easements Remaining or Dedicated



Easements being Abandoned



COUNTY OF EL DORADO COUNTY SURVEYOR

360 Fair Lane . Placerville, CA 95667 . Phone (530) 621-5440 e-mail: surveyor@edcgov.us

Vacation (Abandonment) Release of Interest

To: EID / Attn: Aaron Dinsdale
Mailing Address: 2890 Mosquito Road
City: Placerville State: CA Zip: 95667
Phone: 530-642-4178
Email: _____

From: CTA Engineering & Surveying / Attn: Kevin A. Heeney, PLS
Mailing Address: 3233 Monier Circle
City: Rancho Cordova State: CA Zip: 95742
Phone: 916-638-0919
Email: kheeney@ctaes.net

- 1) Location of vacation: Ridgeview West Unit No. 5

2) Assessor's Parcel Number: 120-700-04 and 05

3) Proposed use of vacated area: residential lots

This abandonment is being requested of El Dorado County. Please view the attached exhibit and check the appropriate box below. Please type or print any comments and return this document to the applicant within two weeks. If you prefer, you can email this letter, accompanied with the attached exhibit to the El Dorado County Surveyor's Office. Surveyor@edcgov.us

- No objection to the proposed vacation.
- No objection to the proposed vacation provided the following conditions are met.
- Not approved.

Comments:

Signature

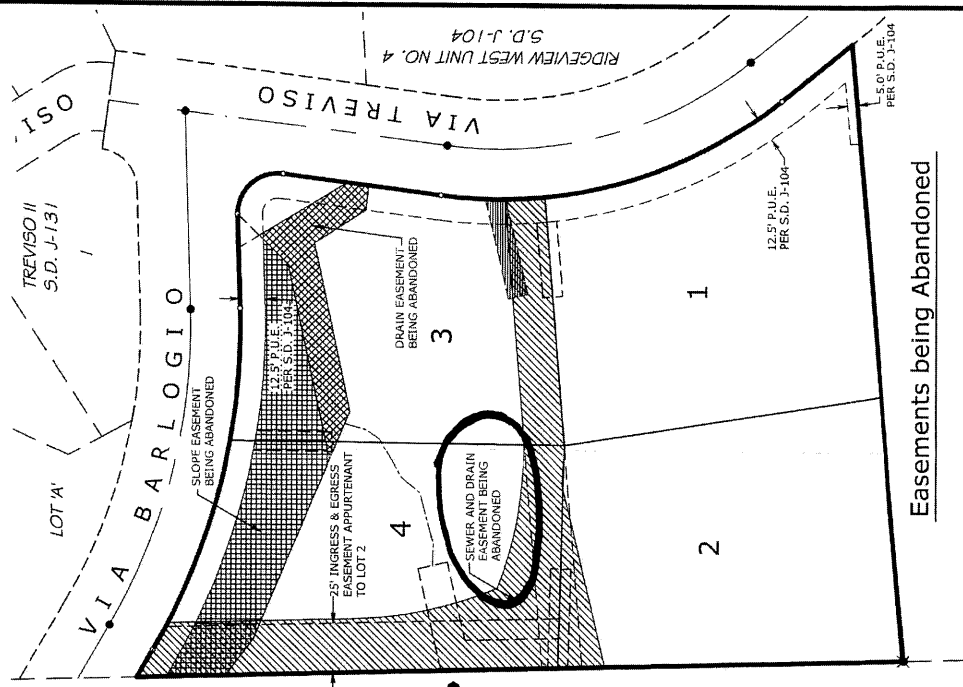
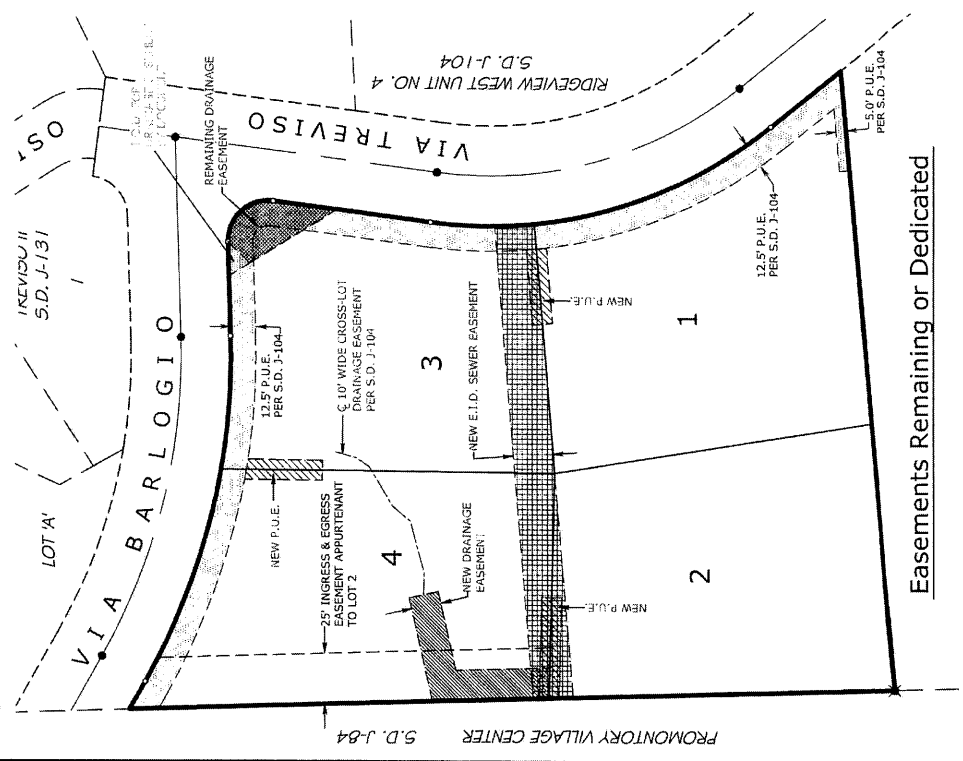
Date

RIDGEVIEW WEST UNIT NO. 5
Proposed Easement Modifications/Abandonments

- Existing P.U.E. to remain
- New P.U.E. dedicated on map
- Existing Drainage Easement to remain
- New Drainage Easement by Document
- New Drainage Easement dedicated on map
- New E.I.D. Sewer Easement by Document

- Existing Drainage Easement to be abandoned
- Existing Sewer & Drainage Easement to be abandoned
- Existing Slope Easement to be abandoned
- Existing Public Utility Easement to be abandoned

cta Engineering & Surveying
Civil Engineering - Land Surveying - Land Planning
233 Maple Court, Rancho Cordova, CA 95742
TEL: 916.437.1100 FAX: 916.437.1101



PROMONTORY VILLAGE CENTER S.D. J-84

PROMONTORY VILLAGE CENTER S.D. J-84

EL DORADO IRRIGATION DISTRICT

Subject: Consideration of a resolution authorizing the grant of an Irrevocable Offer of Dedication for Drainage Easements to the County of El Dorado (APN: 117-570-11).

Previous Board Actions:

None.

Board Policies (BP), Administrative Regulations (AR), and Board Authority:

Water Code Section 22500 authorizes the conveyance of District property when the Board determines by resolution that the property is no longer necessary for District purposes.

Water Code Section 22502 requires all conveyances of District property to be executed by the secretary and president on behalf of the District in accordance with a resolution of the Board.

Summary of Issue(s):

District acquired Assessor's Parcel Number 117-570-11, which is located in the unincorporated area of El Dorado County, on April 20, 2015. The purpose for the District's ownership is to operate and maintain the new Carson Creek sewer lift station on Carson Crossing Drive.

El Dorado County has requested that the District make irrevocable offers of dedication to the County for two drainage easements within this property.

Staff Analysis/Evaluation:

The intent of El Dorado County and the District are to promote the best interests for their respective citizens and customers. In that regard, the County has requested that the District make an Irrevocable Offer of Dedication for two drainage easements affecting the District's Carson Creek lift station parcel. Adequate drainage of the parcel and surrounding area will benefit both constituencies. Engineering has confirmed that the establishment of these drainage easements will not adversely affect the District's operation and maintenance of the lift station, and therefore the requested property interest is not needed for District purposes.

Board Decision/Options:

Option 1: Adopt a resolution authorizing the grant of an Irrevocable Offer of Dedication for Drainage Easements to the County of El Dorado.

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

Option 3: Take no action.

Staff/General Manager's Recommendation:

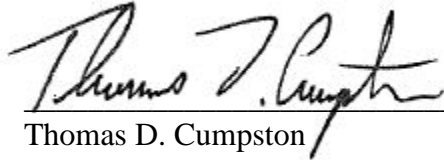
Option 1.

Supporting Documents Attached:

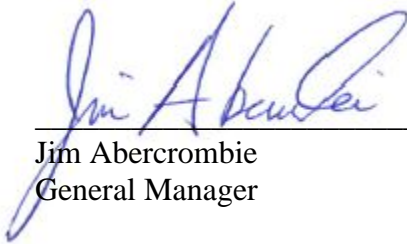
Attachment: Exhibit A: Resolution Authorizing Irrevocable Offer of Dedication for Drainage Easements



Pat Johnson
Paralegal



Thomas D. Cumpston
General Counsel



Jim Abercrombie
General Manager

RECORDING REQUESTED BY
AND WHEN RECORDED RETURN TO:

COUNTY OF EL DORADO
BOARD OF SUPERVISORS OFFICE
330 FAIR LANE
PLACERVILLE, CA 95667

Name: Lennar Homes of California, Inc.

Project: Carson Creek – Carson Crossing Drive
A.P.N.: 117-570-
Date:

Mail Tax Statement to above.
Exempt from Documentary Tax Transfer
Per Revenue and Taxation Code 11922

Above section for Recorder's use

**IRREVOCABLE OFFER OF DEDICATION FOR
A DRAINAGE EASEMENT**

EL DORADO IRRIGATION DISTRICT, hereinafter called GRANTOR, owner of the real property herein described, does hereby irrevocably offer for dedication to the COUNTY OF EL DORADO, a political subdivision of the State of California, an easement for drainage purposes, over, under, and across that certain real property situate in the unincorporated area of the County of El Dorado, State of California, described as:

See Exhibits A & B, attached hereto and made a part hereof.

It is understood that this offer of dedication shall remain in effect and run with the land until such time the County of El Dorado Board of Supervisors makes a finding of necessity for public purposes and accepts said offer by resolution.

IN WITNESS WHEREOF, GRANTOR has hereunto subscribed (his) (her) (their) name(s) this _____ day of _____, 20__.

GRANTOR

EL DORADO IRRIGATION DISTRICT

Name: _____

Title: _____

EXHIBIT 'A'

Drainage Easement

All that real property situate in the County of El Dorado, State of California, being a portion of that certain parcel of land as described in the deed to El Dorado Irrigation District, recorded April 30, 2015 in Document No. 2015-0018564, hereinafter referred to as the "EID" parcel, being a portion of Lot 11, as shown on the "Large Lot Final Map for Carson Creek", filed in the office of the County Recorder of El Dorado County in Book 'J' of Maps, Page 130, and being more particularly described as follows:

A strip of land, fifteen (15.00) feet in width lying seven and one-half (7.50) feet on each side of the following described centerline:

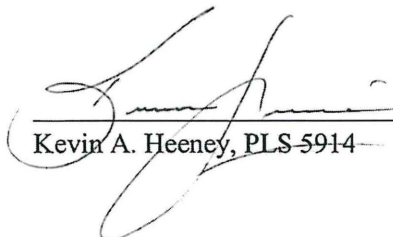
BEGINNING at a point on the North line of said "EID" parcel, from which the Northeast corner of said parcel bears North 89°26'35" East, 147.99 feet, said point also being on the South line of Carson Crossing Drive; thence leaving said North line, South 20°31'45" West, 117.25 feet to a point on the South line of said "EID" parcel and the Southerly terminus of said centerline.

The side lines of said strip of land shall extend to or terminate at the North and South lines of said "EID" parcel.

End of Description

The Basis of Bearings for this description is identical with the Large Lot Final Map of "Carson Creek", recorded in the office of the County Recorder of El Dorado County in Book 'J' of maps, Page 130.

This description has been prepared by me or under my direct supervision.


Kevin A. Heeney, PLS 5914



10/12/2015
Date

Portion of APN: 117-570-11

CTA Engineering & Surveying
3233 Monier Circle
Rancho Cordova, CA 95742
(916) 638-0919

Exhibit 'A'

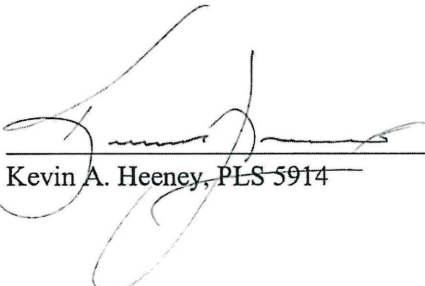
Drainage Easement


All that real property situate in the County of El Dorado, State of California, being a portion of that certain parcel of land as described in the deed to El Dorado Irrigation District, recorded April 30, 2015 in Document No. 2015-0018564, hereinafter referred to as the "EID" parcel, being a portion of Lot 11, as shown on the "Large Lot Final Map for Carson Creek", filed in the office of the County Recorder of El Dorado County in Book 'J' of Maps, Page 130, and being more particularly described as follows:

COMMENCING at the Northwest corner of said "EID" parcel; thence along the West line of said "EID" parcel, South 00°33'25" East, 18.34 feet to the true **POINT OF BEGINNING**; thence continuing along said West line, South 00°33'25" East, 11.08 feet; thence along the Southwesterly line of said "EID" parcel, South 47°31'09" East, 18.67 feet; thence leaving said Southwesterly line, North 25°36'34" East, 15.36 feet; thence North 64°23'26" West, 22.75 feet to the **POINT OF BEGINNING**, containing 250 square feet, more or less.

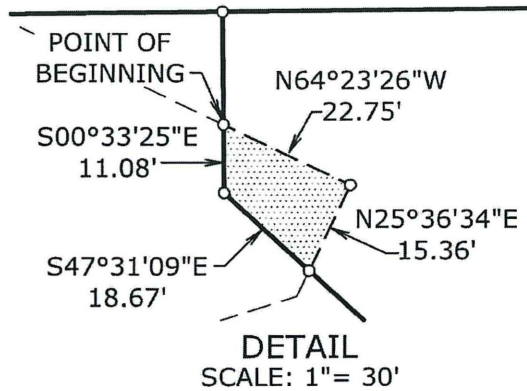
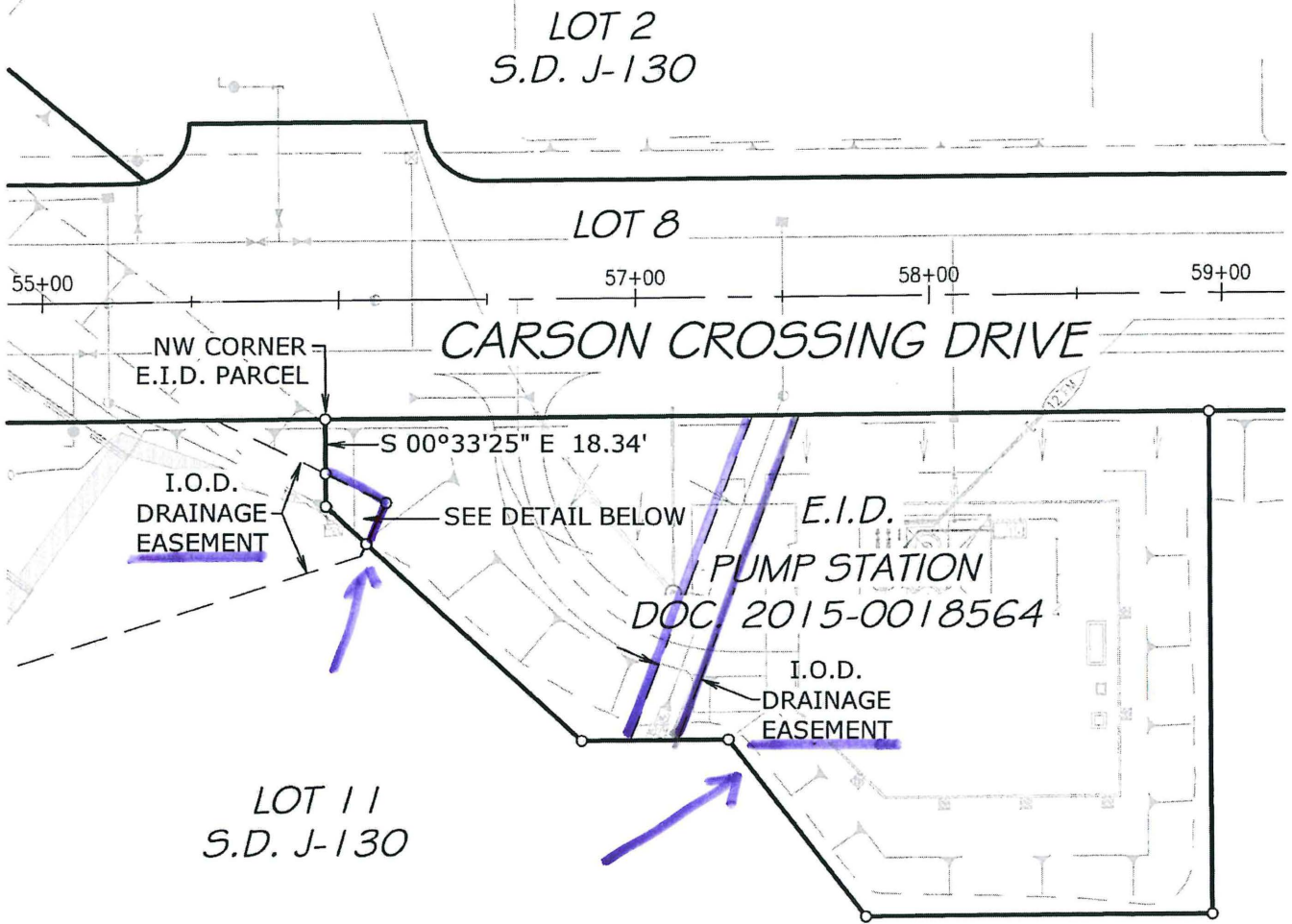
End of Description

This description has been prepared by me or under my direct supervision.


Kevin A. Heeney, PLS 5914



10/12/2015
Date



DATE: 10/12/2015

EXHIBIT 'B'	
A.P.N.:	
OWNER:	El Dorado Irrigation District 2890 Mosquito Road Placerville, CA 95667

DATE: 08/03/2015	DRAWN BY: KAH	SHEET 1 OF 1
SCALE: 1"=100'	JOB NO. 04-050-010	
IRREVOCABLE OFFER OF DEDICATION DRAINAGE EASEMENT		
A PORTION OF DOC. 2015-0018564 IN LOT 11, CARSON CREEK LARGE LOT FINAL MAP S.D. J-130		
COUNTY OF EL DORADO		STATE OF CALIFORNIA

1 **RESOLUTION OF THE BOARD OF DIRECTORS OF**
2 **EL DORADO IRRIGATION DISTRICT**
3 **APPROVING AND AUTHORIZING AN IRREVOCABLE OFFER OF**
4 **DEDICATION FOR A DRAINAGE EASEMENT**
5 **APN: 117-570-11**

6 **WHEREAS**, EL DORADO IRRIGATION DISTRICT (District) acquired Assessor’s
7 Parcel Number 117-570-11 (“Subject Property”) on April 20, 2015 to construct, owner, operate,
8 and maintain the Carson Creek sewer lift station; and

9 **WHEREAS**, El Dorado County has requested the District to approve an Irrevocable
10 Offer of Dedication for a Drainage Easement in two locations on the Subject Property; and

11 **WHEREAS**, adequate drainage of the Subject Property and surrounding area utilizing
12 the requested drainage easements will inure to the benefit of the District, its customers, and the
13 citizens of El Dorado County; and

14 **WHEREAS**, utilization of the easement area for drainage easements will not adversely
15 affect the District’s operation and maintenance of the Carson Creek lift station; and

16 **WHEREAS**, the requested property interests are therefore not necessary for District
17 purposes;

18 **NOW, THEREFORE, BE IT AND IT IS HEREBY RESOLVED** by the Board of
19 Directors of EL DORADO IRRIGATION DISTRICT that the District approves the Irrevocable
20 Offer of Dedication for a Drainage Easement more particularly described and depicted in Exhibit
21 A attached hereto.
22

23
24 ///

25 ///

26 ///

27 ///

The foregoing Resolution was introduced at a meeting of the Board of Directors of the EL DORADO IRRIGATION DISTRICT, held on the 14th day of December, 2015, 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.

Bill George
President, Board of Directors of
EL DORADO IRRIGATION DISTRICT

ATTEST:

Jennifer Sullivan
Clerk to the Board

(SEAL)

1 I, the undersigned, Clerk to the Board of the EL DORADO IRRIGATION DISTRICT,
2 hereby certify that the foregoing resolution is a full, true and correct copy of a resolution of the
3 Board of Directors of the EL DORADO IRRIGATION DISTRICT entered into and adopted at a
4 regular meeting of the Board of Directors held on the 14th day of December 2015.
5

6
7
8 _____
9 Jennifer Sullivan
10 Clerk to the Board
11 EL DORADO IRRIGATION DISTRICT
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EL DORADO IRRIGATION DISTRICT

Subject:

Proposed amendment of Board Policy 1010 regarding redistricting.

Previous Board Action:

December 11, 2006 – The Board adopted Board Policy (BP) 1010.

October 13, 2015 – The Board re-evaluated Director division boundaries and took no action to initiate mid-census redistricting; the Board directed staff to develop a proposed amendment to BP 1010 and notice a public hearing for consideration at a future Board meeting.

Board Policies (BP), Administrative Regulations (AR), and Board Authority:

BP 1010 – At least every five years, the Director division boundaries are re-evaluated to ensure population is equally distributed among the divisions and the other criteria specified by California Election Code section 22000(a) are considered.

BP 1030 – The Board may amend Board Policies by an affirmative vote of at least three members as a publicized public hearing.

Summary of Issue:

Board Policy 1010 currently mandates that the Board re-evaluate Director division boundaries at least every five years. As the Board's recent re-evaluation demonstrated, however, mid-census redistricting is challenging because current, relevant, and reliable data are difficult to obtain except after the decennial national census. State law already authorizes – but does not mandate – agencies to perform redistricting in between censuses. The proposed amendment to BP 1010 would align it with state law and eliminate the District's self-imposed mandate.

Staff Analysis/Evaluation:

State law *requires* redistricting after each decennial census. (Elections Code section 22000(a).) State law also *authorizes* mid-census redistricting, under two scenarios: (1) the Board determines by two-thirds vote that a sufficient change in population has occurred that in the Board's opinion makes it desirable to adjust any boundaries, or (2) any territory is added to or excluded from the District. (Elec. Code § 22000(h).)

Staff proposes that Board Policy 1010, which currently contains a self-imposed mandate to at least consider redistricting every five years, be amended to align with state law. As the Board's recent re-evaluation of division boundaries in October showed, the lack of current, relevant, and reliable data makes mid-census redistricting difficult, and thus suggests that it should only be undertaken under compelling factual circumstances. Because state law already provides a mechanism to do so when necessary, the mandate currently self-imposed by Board Policy 1010 is cumbersome and not needed.

Staff recommends that Board Policy 1010 be amended as follows (deletions shown in ~~strike through~~, and additions shown in underline):

BP 1010 Introduction

Adopted: December 11, 2006

Amended: December 15, 2015

The El Dorado Irrigation District is governed by a five-member Board of Directors pursuant to Irrigation District Law (Water Code §§20500, et seq.). The members are elected to four-year terms on a staggered basis from five geographically identified divisions in the service area. As required and authorized by state law, ~~At least every five years~~ the division boundaries are regularly re-evaluated to ensure population is equally distributed among the divisions and the other criteria specified by California Election Code section 22000(a) are considered. The Board sets policy for the District and provides leadership on behalf of District customers.

The Board of Directors establishes the Board meeting schedule, location and time of the meetings.

The Board hires, may terminate, and directs the General Manager and the General Counsel pursuant to their separate employment contracts. All other employees of the District, except for the legal office, work under direction of the General Manager.

Board Decisions/Options:

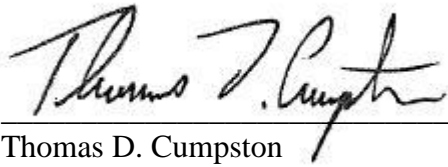
Option 1: Approve amendment to Board Policy 1010 as presented by staff.

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

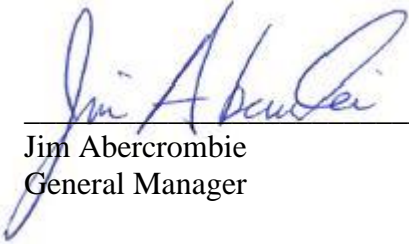
Option 3: Take no action.

General Manager's/General Counsel's Recommendation:

Option 1.



Thomas D. Cumpston
General Counsel



Jim Abercrombie
General Manager

Proposed amendment of
Board Policy 1010
regarding redistricting



El Dorado Irrigation District

December 14, 2015

PREVIOUS BOARD ACTION

- ❧ December 11, 2006 – The Board adopted Board Policy (BP) 1010.
- ❧ October 13, 2015 – The Board re-evaluated Director division boundaries and took no action to initiate mid-census redistricting; the Board directed staff to develop a proposed amendment to BP 1010 and notice a public hearing for consideration at a future Board meeting.

Board Policy/Administrative Regulations/Board Authority



- BP 1010 - At least every five years, the Director division boundaries are re-evaluated to ensure population is equally distributed among the divisions and the other criteria specified by California Election Code section 22000(a) are considered.
- BP 1030 - The Board may amend Board Policies by an affirmative vote of at least three members as a publicized public hearing.

Summary of Issue



- ❧ BP 1010 currently mandates Board re-evaluation of Director division boundaries at least every five years
- ❧ Mid-census redistricting is challenging – census is the only ready source of usable data
- ❧ State law authorizes – but does not mandate – redistricting between censuses
- ❧ Proposed BP 1010 amendment would align it with state law

Staff Analysis/Evaluation



- ❧ Elections Code section 22000(a) *requires* redistricting after each decennial census
- ❧ Elections Code section 22000(h) *authorizes* mid-census redistricting if:
 - ❧ Board determines that redistricting is desirable because of a sufficient change in population
 - ❧ 2/3 (therefore, 4/5) vote required
 - ❧ District's territorial boundaries change

Staff Analysis/Evaluation



- ❧ Staff proposal – align BP 1010 with state law
 - ❧ Eliminate self-imposed mandate to at least consider redistricting every five years
- ❧ October re-evaluation of division boundaries showed that lack of current, relevant, and reliable data makes mid-census redistricting difficult
 - ❧ Suggests that it should only be undertaken under compelling factual circumstances
- ❧ State law already authorizes it when necessary
- ❧ BP 1010's mandate is cumbersome and not needed

Staff Analysis/Evaluation



☞ Recommended changes to BP 1010:

The El Dorado Irrigation District is governed by a five-member Board of Directors pursuant to Irrigation District Law (Water Code §§20500, et seq.). The members are elected to four-year terms on a staggered basis from five geographically identified divisions in the service area. As required and authorized by state law, ~~At least every five years~~ the division boundaries are regularly re-evaluated to ensure population is equally distributed among the divisions and the other criteria specified by California Election Code section 22000(a) are considered.

Staff Analysis/Evaluation



(BP 1010 continued)

The Board of Directors establishes the Board meeting schedule, location and time of the meetings.

The Board hires, may terminate, and directs the General Manager and the General Counsel pursuant to their separate employment contracts. All other employees of the District, except for the legal office, work under direction of the General Manager.

Board Decisions/Options



- ❧ Option 1: Approve amendment to Board Policy 1010 as presented by staff.
- ❧ Option 2: Take other action as directed by the Board.
- ❧ Option 3: Take no action.

General Manager's/General Counsel's Recommendation



OPTION 1



QUESTIONS ?

EL DORADO IRRIGATION DISTRICT

Subject: Appropriations Limit for Fiscal Year 2016.

Previous Board Action:

January 26, 2015 - Board adopted the Appropriations Limit Resolution for Fiscal Year 2015.

Board Policies (BP), Administrative Regulations (AR), and Board Authority:

The Board has adopted an Appropriations Limit Resolution every year to be in compliance with Proposition 4 since 1980 and Proposition 111 since 1991.

Summary of Issue:

In November 1979, the voters of California followed up the tax limitations of Proposition 13 (1978) with an amendment to the state Constitution to limit the growth of government spending. Commonly known as the “Gann Initiative” after anti-tax advocate Paul Gann, Proposition 4 created Article XIII B of the Constitution which provides a formula for calculating spending limits. In a response to increasing difficulties with the restrictions of Proposition 4, and to increase the accountability of local government in adopting limits, the voters in June 1990 adopted Proposition 111.

The appropriations limitation imposed by Propositions 4 (1979) and later amended by Proposition 111 (1990) creates a restriction on the amount of government revenue which may be appropriated in any fiscal year. The Appropriations Limit is based on actual appropriations during the base year (1986-87 or the first full year of operation), and increases each year using specified growth factors.

The Appropriations Limit applies only to those revenues defined as “proceeds of taxes.” Certain expenditures of tax proceeds do not count as Appropriations Subject to Limitation, including those for voter approved debt, qualified capital outlay, and the costs of complying with court orders and federal mandates.

During any fiscal year, a government entity may not appropriate any proceeds of taxes received in excess of the Appropriations Limit of the entity. If a government entity receives excess funds in any one year, it may “carry those excess funds into the subsequent year” for use. Any excess funds remaining after the second year must be returned to taxpayers by reducing tax rates or fees.

Propositions 4 and 111 require government entities to annually review, calculate, and adopt the Appropriations Limit, and to ensure that expenditures subject to the Appropriations Limit do not exceed it. For the District’s 2016 compliance, a calculation and proposed resolution are attached.

Staff Analysis/Evaluation:

The Appropriations Limit is the calculated dollar amount which restricts the ability to appropriate proceeds of taxes. The Appropriations Subject to Limit may not exceed the Appropriations Limit. In its simplest form, the Appropriations Limit for any year is the Appropriations Limit from the previous fiscal year increased for inflation and population growth.

The Appropriations Limit applies only to the portion of District revenues defined as “Proceeds of Taxes.” The District’s appropriated revenue sources include: 1) all taxes levied by or for a public agency, 2) any revenue from user charges and user fees to the extent that the proceeds exceed the cost of providing the product or service, and 3) any interest earned from the investment of the proceeds of taxes.

Exclusions:

Proposition 4 and 111 exempted certain categories from the Appropriations Subject to Limitation. The following categories are excluded:

- **Certain Types of Debt Service Costs:** Excludable debt service costs include voter-approved debt and non-voter approved debt used to purchase qualified capital outlay.
- **Qualified Capital Outlay:** Qualified capital Outlay is an appropriation for a fixed asset (including land and construction) with a useful life of 10 years or more and a value which equals or exceeds \$100,000.
- **Costs of Complying with Court Orders and Federal Mandates.**

Appropriations Subject to the Limit Calculation:

The District’s new limit for 2016 is calculated on the basis of the prior year’s limit increased by a growth factor. The growth factor results from combining the change in Per Capita Personal Income and the change in population. The change in the Per Capita Personal Income (cost of living factor) has been reported by the County of El Dorado Office of Auditor-Controller to be 3.82% and the increase in population in the County’s unincorporated areas has been reported to be 0.93%. Therefore, the ratio of change to be applied to last year’s limit is $1.0382 \times 1.0093 = 1.0479$.

The 2016 allowable amount subject to the limit is calculated by using the District’s 2016 Adopted Operating and Capital Improvement Plan Budget. The results of the 2016 Appropriations Limit and allowable amount calculations are summarized in the table below and also included as Attachment A and B.

Fiscal Year 2015 Appropriations Limit	\$9,720,198
Adjustment Factor (Cost of Living Growth x Population Growth)	1.0479
Fiscal Year 2016 Appropriations Limit	\$10,185,795

Proceeds of Taxes	\$10,965,400
Exclusions (Qualified Capital Outlay)	<u>(\$14,899,840)</u>
Appropriations Subject to the Limit	(\$3,934,440)
Fiscal Year 2016 Appropriations Limit	\$10,185,795
Over/(Under) Appropriations Limit	(\$14,120,235)

As can be seen in the above table, for 2016 the District is under the Appropriations Limit by more than \$14.12 million. The District anticipates tax proceeds in 2016 of approximately \$10.97 million, including interest earned on the investment of taxes. Exemptions to the Appropriations Limit of approximately \$14.90 million are those capital projects over \$100,000 and funded through rates. Therefore, because the exemptions exceed the proceeds of taxes, the amount subject to the Limit is approximately a negative \$3.93 million.

The current year Appropriations Limit is subtracted from the appropriations subject to the limit to arrive at the amount over or under the Appropriations Limit. These calculations show that the District continues to comply with the Appropriations Limit imposed by Propositions 4 and 111, as EID appropriations are \$14,120,235 below the calculated 2016 Appropriations Limit.

Board Decisions/Options:

Option 1: Adopt the proposed Appropriations Limit Resolution for Fiscal Year 2016.

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

Option 3: Take no action.

Staff/General Manager Recommendation:

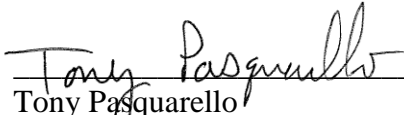
Option 1

Support Documents Attached:

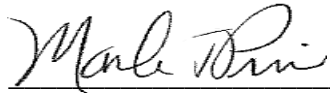
Attachment A: Fiscal Year 2016 Appropriations Limit Calculations

Attachment B: 2015-2016 County of El Dorado Per Capita Personal Income and Population Growth adjustment factors

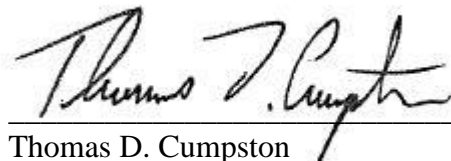
Attachment C: Proposed Fiscal Year 2016 Appropriations Limit Resolution



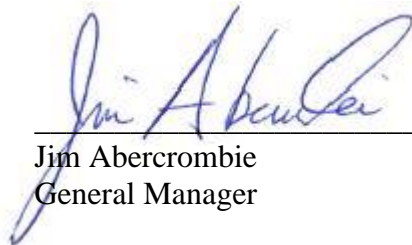
Tony Pasquarello
Accounting Manager



Mark T. Price
Finance Director



Thomas D. Cumpston
General Counsel



Jim Abercrombie
General Manager

**El Dorado Irrigation District
Fiscal Year 2016 Appropriations
Limit Calculation**

	<u>Amount</u>	<u>Source</u>
A. FY 2015 APPROPRIATIONS LIMIT	\$9,720,198	January 26, 2015 Resolution
B. ADJUSTMENT FACTORS		
1. Cost of Living Factor	1.0382	County of El Dorado Office of Auditor-Controller
2. Population Growth Factor	1.0093	County of El Dorado Office of Auditor-Controller
3. Total Adjustment Factor	1.0479	B1 times B2
C. FY 2016 APPROPRIATIONS LIMIT	<u>\$10,185,795</u>	A times B3

**El Dorado Irrigation District
2016 Appropriations Subject
to the Limit Calculation**

	<u>Amount</u>	<u>Source</u>
A. PROCEEDS OF TAXES	\$10,965,400	2016 Budget
B. EXCLUSIONS	(14,899,840)	Excluded Appropriations
C. APPROPRIATIONS SUBJECT TO THE LIMIT	(3,934,440)	A minus B
D. FY 2016 APPROPRIATIONS LIMIT	\$10,185,795	Limit Calculation
E. OVER/(UNDER) LIMIT	<u>(\$14,120,235)</u>	C minus D



County of El Dorado

OFFICE OF AUDITOR-CONTROLLER

360 FAIR LANE
 PLACERVILLE, CALIFORNIA 95667-4193
 Phone: (530) 621-5487 Fax: (530) 295-2535

JOE HARN, CPA
 Auditor-Controller

BOB TOSCANO
 Assistant Auditor-Controller

May 1, 2015

To: All Special Districts

From: *BT* Bob Toscano, Assistant Auditor-Controller

Subject: 2015-2016 Proposition 4 - Appropriation Limitation

Your district is required to calculate and adopt the new tax spending limit for FY 2015-16 in accordance with the provisions of the spending limitation legislation implementing Proposition 4 (the 1979 Gann Spending Limit Initiative). Government Code Section 7910 requires that: “. . . the governing body of each local jurisdiction to establish appropriation limits by resolution for the following fiscal year at a regular or special meeting.”

The district's new limit for the 2015-2016 year will be calculated on the basis of the prior year's limit increased by a growth factor. The growth factor results from combining the change in Per Capita Personal Income and the change in population for your district (as certified by the State's Department of Finance) or the change reported for “unincorporated areas” for our County.

The change in the “cost of living” factor (Per Capita Personal Income) has been reported to be 3.82% and reported increase in population in the County's unincorporated areas to be 0.93%. Therefore, the ratio of change to be applied to last year's limit is:

$$1.0382 \quad (X) \quad 1.0093 \quad = \quad 1.0479$$

Attached is a sample format for the required “NOTICE OF PUBLIC HEARING” and a sample resolution (which includes the calculation formula).

RESOLUTION NO. 2015-xxx

**RESOLUTION OF THE BOARD OF DIRECTORS OF
EL DORADO IRRIGATION DISTRICT, ESTABLISHING THE
APPROPRIATIONS LIMIT FOR FISCAL YEAR 2016**

WHEREAS, the Board of Directors conducted a public hearing of the Board of Directors of El Dorado Irrigation District on the appropriations limit for El Dorado Irrigation District on the 14th day of December, 2015; and,

WHEREAS, the meeting was noticed as required by law; and,

WHEREAS, the Board received testimony and other evidence regarding the appropriation limit to be established for the El Dorado Irrigation District for fiscal year 2016.

NOW, THEREFORE, IT IS HEREBY RESOLVED by the Board of Directors of the El Dorado Irrigation District that the appropriations limit for fiscal year 2016, as described in Article XIIB of the State Constitution and implemented by Chapter 1205, Statutes of 1980 is the sum of \$10,185,795 computed as follows: \$9,720,198 (2015 Appropriations Limit) (X) 1.0479 (2015-2016 cost of living and population growth factor from the County of El Dorado) = \$10,185,795 (2016 Appropriations Limit).

RESOLUTION NO. 2015-xxx

The foregoing resolution was introduced at a regular meeting of the Board of Directors of EL DORADO IRRIGATION DISTRICT, held on the 14th day of December, 2015, by Director _____, who moved its adoption. The motion was seconded by Director _____, and a poll vote taken which stood as follows:

AYES:

NOES:

ABSTAIN:

ABSENT:

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

Bill George
President, Board of Directors
EL DORADO IRRIGATION DISTRICT

ATTEST:

Jennifer Sullivan
Clerk to the Board

(SEAL)

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RESOLUTION NO. 2015-xxx

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 14th day of December, 2015.

Jennifer Sullivan
Clerk to the Board
EL DORADO IRRIGATION DISTRICT



Appropriations Limit for Fiscal Year 2016

El Dorado Irrigation District
Public Hearing
December 14, 2015

Board Policies, Administrative Regulations and Board Authority

- **BP 2020**: The General Manager shall comply with all the duties and responsibilities set forth by state and federal law.

State Law

- Article XIII B of the California Constitution requires that the governing body of each local jurisdiction to establish appropriations limits by resolution for the following fiscal year at a regular or special meeting.

Previous Board Action

- The Board has adopted an Appropriations Limit Resolution every year to be in compliance with Proposition 4 since 1980 and Proposition III since 1991.
- January 26, 2015: Board adopted the Appropriations Limit Resolution for Fiscal Year 2015.

Summary of Issue

- In November 1979, voters approved Proposition 4. Informally known as the “Gann Initiative”, it provides limits to the amount of tax proceeds state and local government entities can spend each fiscal year.
- In June 1990, voters approved Proposition 111 which made several revisions to the previous appropriations limit requirements.

Summary of Issue

- The appropriations limit for each year is equal to the limit for the prior year, adjusted for changes in the cost-of-living and population growth.
- The appropriations limit applies only to revenues defined as “proceeds of taxes”, and a government entity may not appropriate any proceeds of taxes received in excess of the appropriations limit.

Summary of Issue

- If a government entity receives excess funds in any one year, it may carry those funds into the subsequent year for use.
- Any excess funds remaining after second year must be returned to taxpayers by reducing tax rates.

Staff Analysis/Evaluation

- **Proceeds of taxes include:**
 - Taxes levied by or for a public agency
 - Interest earnings on invested tax revenues
 - User charges/fees that exceed the cost of providing the service
- **Excluded appropriations**
 - Certain types of debt service costs
 - Qualified capital outlay expenditures greater than \$100,000
 - Costs of complying with court orders and federal mandates

Staff Analysis/Evaluation

APPROPRIATIONS LIMIT CALCULATION

	<u>Amount</u>	<u>Source</u>
A. FISCAL YEAR 2015 LIMIT	\$ 9,720,198	January 26, 2015 Resolution
B. ADJUSTMENT FACTORS		
1. Cost of Living Factor	1.0382	County of El Dorado Office of Auditor-Controller
2. Population Growth Factor	1.0093	County of El Dorado Office of Auditor-Controller
3. Total Adjustment Factor	1.0479	B1 times B2
C. FISCAL YEAR 2016 LIMIT	<u>\$ 10,185,795</u>	A times B3

Staff Analysis/Evaluation

APPROPRIATIONS SUBJECT TO THE LIMIT

	<u>Amount</u>	<u>Source</u>
A. PROCEEDS OF TAXES	\$ 10,965,400	2016 Operating Budget
B. EXCLUSIONS	(14,899,840)	2016 Qualified Capital Outlay
C. APPROPRIATIONS SUBJECT TO THE LIMIT	(3,934,440)	A minus B
D. CURRENT YEAR LIMIT	10,185,795	Limit Calculation
E. OVER/(UNDER) LIMIT	<u>\$ (14,120,235)</u>	C minus D

Staff Analysis/Evaluation

- The calculation shows that the District is well under the Appropriation Limit set forth by Proposition 4 and III by \$14.12 million.

Board Decisions/Options

- **Option 1:**

Adopt the proposed Appropriations Limit Resolution for fiscal year 2016

- **Option 2:**

Take other action as directed by the Board

- **Option 3:**

Take no action

Staff/General Manager Recommendation

- ***Option 1***

EL DORADO IRRIGATION DISTRICT

SUBJECT: Presentation of Annual State Legislative Report by Reeb Government Relations, LLC for 2015.

Previous Board Actions:

Since 2004, the board has proactively taken positions on State legislation that affect the District's interests. Reeb Government Relations has served as the District's State legislative advocate during that time.

Board Policies (BP), Administrative Regulations (AR), and Board Authority:

Board Policy 12020: The Board oversees and directs the implementation of the District's mission by deciding and monitoring policy and fiscal matters.

Summary of Issues:

With the close of the first year of the 2015-2016 Regular Session of the State Legislature, the District's State Legislature Advocate Bob Reeb of Reeb Government Relations has prepared a 2015 Annual Report for presentation to the Board. Mr. Reeb will be present at the meeting to discuss the report and recent legislative and administrative developments of interest to the District.

Staff Analysis/Evaluation:

Bob Reeb has served as the District's state legislative advocate since 2005 and continues to be one of the most knowledgeable and influential legislative advocates on water policy in California. As both the former General Manager of the El Dorado County Water Agency and former Legislative Director of the Association of California Water Agencies (ACWA), Mr. Reeb has an exceptional understanding both of the District's needs and interests, and also of the means of accomplishing our goals—or at least protecting our interests against adverse changes—through the legislative and administrative process. Mr. Reeb and District staff actively monitored or influenced the development of 67 bills in 2015.

This effort continues to be very beneficial to the District, although it is an unfortunate reality that much of the benefit comes by altering or thwarting proposed bills that are harmful to the District's interests. Mr. Reeb also tracks fiscal matters at the Capitol, and keeps District staff informed of funding opportunities as they come available.

The attached 2015 Annual Report from Reeb Government Relations touches on both of these areas. The report covers:

- State Budget Appropriations/Budget Trailer Bills
- Legislation the District actively participated in, covering topics that included:
 - Drought funding/enforcement
 - Wild and Scenic Rivers
 - Urban Water Management Plans
 - Public works/prevaling wage
 - Water meters for multiunit structures
 - The California Public Records Act
 - Urban retail water loss management
- 2016 Elections
- Legislative Issues for 2016

Mr. Reeb will be present for this agenda item to recap his report and answer any questions from the Board.

Board Decisions/Options:

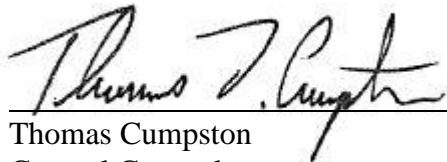
No action. Information only.

Support Documents Attached:

Attachment A: Memorandum from Bob Reeb to Tom Cumpston, dated November 30, 2015,
re: 2015 Annual Report



Brian Poulsen
Senior Deputy General Counsel



Thomas Cumpston
General Counsel



Jim Abercrombie
General Manager

Reeb Government Relations, LLC

MEMORANDUM

November 30, 2015

TO: Tom Cumpston, General Counsel
El Dorado Irrigation District

FROM: Bob Reeb and Raquel Ayala
Reeb Government Relations, LLC

SUBJECT: 2015 Annual Report

This is the 11th year that Reeb Government Relations has had the honor and privilege to work with El Dorado Irrigation District (EID or District) to advance the interests of the District, its taxpayers and customers in the State Capitol. Together, the EID Board of Directors, District management and staff, and Reeb Government Relations continue to be an effective voice in support of common sense legislation and regulations that enable, rather than detract from, pursuit of the District's mission.

State Budget Appropriates GO Bond Funds; Trailer Bills Present a Challenge

On June 24, 2015, a week before the July 1 start of the next fiscal year, Governor Jerry Brown signed a new \$167.6 billion budget. The new spending plan, which includes a \$115.4 billion general fund, is a compromise between Brown and Democratic lawmakers. The latter were able to secure increased funds for some government services, though not as much as they sought for multiple health and human services programs, among others.

The 2015 Budget Act pays down debt and saves for a rainy day as it implements the first year of Proposition 2, which was designed to help the state save when state revenues exceed expectations. Higher revenues from capital gains taxes will both be saved and used to pay down about \$1.9 billion in debt. By the end of the year, the state's Rainy Day Fund is projected to have a total balance of \$3.5 billion.

The state will also:

- Repay the remaining \$1 billion in deferrals to schools and community colleges (which once peaked at \$10 billion).

1107 9th Street, Suite 510
Sacramento, California 95814

(916) 558-1926 PH
(916) 558-1932 FAX

- Make the last payment on the \$15 billion in Economic Recovery Bonds that were used to cover budget deficits from as far back as 2002.
- Repay local governments the final mandate reimbursements for activities completed in 2004 or earlier (totaling \$765 million) and reduce outstanding mandate liabilities owed to schools and community colleges by \$3.8 billion.

The elimination of these budgetary debts and a healthier Rainy Day Fund balance will give the state much greater fiscal capacity when another recession reduces overall state revenues.

Despite stronger revenues compared to a year ago, the budget remains precariously balanced, according to Governor Brown. The state also continues to have hundreds of billions of dollars in liabilities for deferred maintenance on its aging infrastructure and for retiree health care benefits for state employees and various pension benefits. In response, the Budget includes \$125 million to address the most critical deferred maintenance and establishes a trust fund for the prefunding of retiree health benefits.

Proposition 1 and Drought Assistance

The State of California has experienced four consecutive years of below-average rain and snow and is currently facing severe drought conditions in all 58 counties. Since the Governor first declared a State of Emergency in January 2014, the Administration has worked to assist drought-impacted communities and fund critical water infrastructure projects that will make the state more resilient if the drought continues. The 2015 Budget includes an additional \$1.8 billion in one-time resources to continue the state's response to the drought impacts. The funds will protect and expand local water supplies, conserve water and respond to emergency conditions.

In an effort to accelerate the implementation of local water infrastructure projects statewide, the State Budget includes \$1.5 billion in Proposition 1 funds for the following programs:

- \$1.4 billion, available over the next three years, for the following State Water Resources Control Board (Water Board) programs:
 - Groundwater Contamination — \$783.4 million for projects that prevent or clean up the contamination of groundwater that serves as a source of drinking water.
 - Water Recycling — \$210.7 million for water recycling, desalination, and advanced treatment projects to enhance local water supply resiliency.
 - Safe Drinking Water — \$175.3 million for projects, with priority given to small systems in disadvantaged communities, which help provide clean, safe, and reliable drinking water.
 - Wastewater Treatment Projects — \$158.4 million for small communities to build or upgrade their wastewater systems to meet current standards.
 - Stormwater Management — \$101 million for multi-benefit stormwater management projects that also contribute to local water supplies.

- \$110 million for the following Department of Water Resources (DWR) programs:
 - Groundwater Sustainability — \$60 million to support local groundwater planning efforts. Of this amount, \$50 million is available over the next three years for technical and direct assistance and grants to local agencies for groundwater sustainability governance and planning. An additional \$10 million in immediate funding will be dedicated to counties with stressed groundwater basins to update or develop local ordinances and plans that protect basins and their beneficial users and help facilitate basin-wide sustainable groundwater management under the Sustainable Groundwater Management Act, in coordination with other local water managers.
 - Desalination Projects — \$50 million, available over the next two years, to help local agencies develop new local water supplies through the construction of brackish water and ocean water desalination projects.

Proposition 1 and Water Conservation

The State Budget includes \$117 million to fund programs and projects that save water, including:

- \$54 million for the following urban water conservation programs:
 - \$13 million Proposition 1 funds for the DWR to implement consumer rebate programs for the replacement of inefficient water consuming appliances, such as toilets, consistent with the Governor's April 1, 2015 Executive Order that identifies actions to save water.
 - \$27 million Proposition 1 funds to replace lawns, with priority for underserved communities, throughout the state with water efficient landscaping, consistent with the April 1 Executive Order.
 - \$10 million Proposition 1 funds to implement the CalConserve program, which will enable homeowners and businesses to finance water efficiency upgrades through a revolving loan program.
 - \$4 million General Fund to continue Save Our Water, the statewide public education campaign focused on helping all Californians reduce their water use.
- \$35 million Proposition 1 funds for the DWR agricultural water efficiency programs. These additional resources will enable the DWR to provide incentives to agricultural operations to invest in water irrigation technologies that reduce water use.
- \$13 million Proposition 1 funds for the DWR to provide technical assistance, data collection, and applied research that supports long-term water use efficiency in urban and agricultural sectors that will integrate water conservation into residents' lifestyles, consistent with the Water Action Plan.

- \$15.4 million, including \$10 million General Fund, to the Department of General Services for water conservation projects at state facilities. As urban and agricultural water users across the state are reducing their water use, it is critical that state facilities also continue to reduce water use. This proposal will provide additional funds to implement indoor and outdoor water conservation measures at state facilities.

General Fund and Emergency Response

The Budget includes \$114.9 million (\$107.5 million General Fund) to assist drought-impacted communities and prevent catastrophic wildfires, including:

- \$66.8 million (\$59.4 million General Fund) for the Department of Forestry and Fire Protection (CALFIRE) to continue firefighter surge capacity, retain seasonal firefighters beyond the budgeted fire season, provide additional defensible space inspectors, provide grants for fire prevention, and enhance air attack capabilities to suppress wildfires during the 2015 fire season.
- \$22.2 million General Fund for the Office of Emergency Services to support local jurisdictions using the California Disaster Assistance Act program for approved drought-related projects, including emergency protective measures such as delivering water to individuals without drinking water.
- \$11 million General Fund toward the removal of emergency salinity barriers in the Delta to prevent harm to migratory fish.
- \$7.5 million General Fund for the Department of Community Services Development to provide emergency assistance to unemployed farmworkers, including job training and assistance.
- \$6 million General Fund for the Department of Housing and Community Development to assist or relocate households without potable water sources due to drought.
- \$1.4 million General Fund for the Water Board to increase enforcement of water use restrictions and conduct additional inspections of diversion facilities to verify compliance with water rights laws.

State Budget Trailer Bills Bypass Policy Committee Review

The Governor's Department of Finance released over 10 budget trailer bills on its web site in the weeks following the May Revise. The number and breadth of subject matter coverage included in the package were unprecedented and were proposed collectively under the color of the state's drought emergency response. Reeb Government Relations, on behalf of the District, analyzed the proposals, recommended positions to the steering committee, and advocated on behalf of the District alongside other water agencies and the Association of California Water Agencies.

The budget trailer bills of greatest importance to the District included:

- Additional Local Enforcement Authority (Senate Bill No. 88) – Provides a minimum set of enforcement tools to all local water agencies, including wholesalers, retailers, and non-urban water agencies. The tools would allow local water agencies to enforce their own water conservation ordinances, as well as emergency conservation regulations adopted by the State Water Board. Among those tools is the authority of a court or public entity to hold a person civilly liable in an amount not to exceed \$10,000 for a violation of a water conservation program ordinance or resolution, or certain emergency regulations adopted by the state board.
- Monitoring and Reporting — Provides a baseline of annual diversion reporting to the State Water Board for all classes of water rights and specifies minimum measuring accuracy for diversions in excess of 10 acre feet per year. Most surface water diversions in California are required to be reported to the board on either an annual or three-year cycle, depending on the type of water right. Currently, there are no uniform standards for measuring the diversions, and the lack of timely and accurate water diversion data has frustrated the state's ability to respond to the drought and enforce the water rights seniority system.

The monitoring proposal as introduced would require a diverter to install and maintain a device or employ a method capable of measuring the rate of direct diversion, rate of collection to storage, and rate of withdrawal or release from storage. The measurements must be made using the best available technologies and best professional practices using a device or methods satisfactory to the board. Reeb Government Relations expressed concern that strict adherence to accuracy in measurement might be unreasonably expensive as applied to older or remote diversion structures. The firm, working with organizations like Western Growers Association, drafted amendments to the proposed language that would enable diverters to work with the State Water Board to ensure a more flexible approach to implementation while ensuring accurate information. In the end, the monitoring proposal was amended with language drafted by Bob Reeb to require the board to consider devices and methods that provide accurate measurement of the total amount diverted and the rate of diversion, including devices and methods that provide accurate measurements within an acceptable range of error, including the following: (1) Electricity records dedicated to a pump and recent pump test. (2) Staff gage calibrated with an acceptable streamflow rating curve. (3) Staff gage calibrated for a flume or weir. (4) Staff gage calibrated with an acceptable storage capacity curve. (5) Pressure transducer and acceptable storage capacity curve. Further, the board may modify the monitoring requirements upon finding either that strict compliance is infeasible, or that the need for monitoring and reporting is adequately addressed by other conditions of the permit or license.

- Water System Consolidation (Trailer Senate Bill No. 88) — Authorizes the State Water Board to require consolidation of local water systems in disadvantaged communities when a system consistently fails to provide an adequate supply of safe drinking water to its customers. Currently, some water systems lack capacity to adequately serve their customers and others have run out of water completely. This legislation will authorize the Water Board to order adjacent water systems to consolidate with failing systems, only when technically and economically feasible.

El Dorado Irrigation District opposed the provision of SB 88 that would grant sweeping new authority to the board to force the consolidation of public water systems. The consolidation of

these systems used to come under the authority of Local Agency Formation Commissions, local agencies and their constituents pursuant to the Cortese Knox-Hertzberg Local Government Reorganization Act of 2000. The District argued that this is not the appropriate subject matter for a budget trailer bill even under the color of drought emergency and that this trailer bill language is over simplistic and ignores constitutional questions relating to cost of service, let alone authorizing forced consolidations - which will result in greater water use-at the same time the State Water Resources Control Board is mandating a reduction in water use.

Despite the District's voiced concerns, this proposal was part of the trailer bill language that was enacted on June 24 (Chapter 27, Statutes of 2015). Senator Ted Gaines and Assembly Members Beth Gaines and Frank Bigelow all voted against SB 88.

- Streamlining Water Recycling Projects — Provides a California Environmental Quality Act (CEQA) exemption for certain types of water recycling pipeline projects under a declared drought, up to 18 months, and for the next update of the Building Standards Commission's building codes related to water recycling requirements.

As part of the agreement on the State Budget, Governor Brown also called two special sessions directing legislators to continue work on two key fiscal issues— how to fund (1) maintenance of roads, highways and other infrastructure, and (2) the state's share of costs for the indigent health care delivery system. Finally, the Governor and Legislature failed to reach agreement on an expenditure plan for Cap and Trade revenues raised through auction proceeds from producers of greenhouse gas emissions that contribute to climate change.

The health care special session has the potential to affect the managed care tax paid by the District each month for each employee. Some early estimates, depending on whether a flat tax rate or a tiered tax rate approach is ultimately taken, could increase District costs between \$5 and \$25 per month per employee. In the alternative, some Republican lawmakers are calling for the Governor to instead provide General Fund monies to pay for the program (about \$1.1 billion annually). The debate regarding the expenditure of Cap and Trade revenue also could affect the District to the extent ongoing funding for water/energy conservation projects and programs remains viable.

District Remains Active on the Legislative Front

The District actively monitored or engaged in direct lobbying on over 67 bills this year. Below, we highlight a handful of bills on which the District was active.

Drought: local government fines

The California Constitution requires that the water resources of the state be put to beneficial use to the fullest extent of which they are capable and that the waste or unreasonable use or unreasonable method of use of water be prevented. Current law, the California Emergency Services Act, sets forth the emergency powers of the Governor under its provisions and empowers the Governor to proclaim a state of emergency for certain conditions, including drought.

Assembly Bill 1, by Assembly Member Cheryl Brown (D-San Bernardino), would prohibit a city, county, or city and county from imposing a fine under any ordinance for failure to water a lawn or

having a brown lawn during a period for which the Governor has issued a proclamation of a state of emergency based on drought conditions.

El Dorado Irrigation District took a “support” position on AB 1. A number of California cities have lawn “maintenance” ordinance that specify the condition in which residents’ lawns must be kept. These ordinances allow cities to levy fines for failure to maintain a lawn in a prescribed way, including anything that is deemed to diminish the aesthetic appeal of one’s front yard. Fines for violating “maintenance” ordinances can range from \$100 a week to a flat fee of \$500. The District argued that the prohibition in AB 1 would prevent a resident, business or commercial enterprise from being fined while at the same time responding to drought-induced water reduction goals or requirements imposed by a state agency or an urban water supplier.

AB 1 passed both houses with no opposition and was signed into law on July 13. (Chapter 62, Statutes of 2015)

Wild and Scenic Rivers: Mokelumne River

Under current law, the California Wild and Scenic Rivers Act (Act), provides for a system of classification of those rivers or segments of rivers in the state that are designated as wild, scenic, or recreational rivers, for purposes of preserving the highest and most beneficial use of those rivers.

Assembly Bill 142, by Assembly Member Frank Bigelow (R-O’Neals), would require a study by the Secretary of the Natural Resources Agency that analyzes the sustainability or non-sustainability of a proposed designation prior to the designation of the Mokelumne River, its tributaries, or segments thereof as additions to the System. The bill would require the study to include: (1) A suitability analysis that includes the potential effects on the ability of public agencies and utilities within the watershed to meet current and projected future water requirements through the development of new and more reliable water supplies from the Mokelumne River and its tributaries; (2) Any effects of climate change on river values and water supplies; (3) Feasibility studies and assessments included within the implementation plan of the Mokelumne Watershed Interregional Sustainability Evaluation, Final Report dated June 12, 2015: 7a, 7b, 7d, and 7f; (4) The instances where the secretary has determined that a water diversion facility may be constructed on a river or segment of a river that is part of the system; (5) The instances where the State Water Resources Control Board has approved an application to appropriate water from a river or a segment of a river that is part of the system and what restrictions, if any, were placed on the appropriation of water as a result of the river or segment of a river inclusion in the system; (6) Maps and illustrations to show the area included within the report; (7) Characteristics which do or do not make the area a worthy addition to the system; (8) Status of land ownership and use; and (9) Potential uses which will be enhanced, foreclosed, or curtailed if included in the system.

El Dorado Irrigation District took a “support” position on the AB 142. The California Wild and Scenic Rivers Act prohibits the construction of any dam, reservoir, diversion, or other water impoundment facility on any river segment included in the System. However, there are exemptions, which include temporary flood storage facilities on the Eel River and temporary recreational impoundments on river segments with a history of such impoundments. The Agency cannot authorize these temporary recreational impoundments without first making a number of findings. A cornerstone of the Act is the

non-degradation clause, which prohibits new projects and activities from adversely affecting the free-flowing condition and natural character of river segments included in the System. It is because of these restrictions that potential System designations for rivers within the Sierra Nevada Mountain Range, particularly on the more populated western slope, pose a significant threat to the ability of water districts to ensure adequate future water supply.

The bill passed the Assembly on a 74-1 vote and the Senate on a 39-0 vote, and was signed into law on October 9. (Chapter 661, Statutes of 2015)

Urban Water Management Plans

The Urban Water Management Planning Act requires every public and private urban water supplier that directly or indirectly provides water for municipal purposes to prepare and adopt an urban water management plan (UMP or Plan) and to update its plan once every 5 years on or before December 31 in years ending in 5 or zero, with exception to their 2015 plan which needs to be submitted by July 1, 2016. The act requires an urban water supplier to submit to the Department of Water Resources a copy of its plan no later than 30 days after adoption and requires the department to prepare and submit to the Legislature, on or before December 31, in the years ending in 6 or 1, a report summarizing the status of plans adopted pursuant to the act.

Assembly Bill 149, by Assembly Member Rocky Chavez (R-Oceanside), would require each urban water supplier to update and submit its 2020 plan to the department by July 1, 2021, and would require the department to submit the report to the Legislature for the 2015 plans by July 1, 2017, and the report for the 2020 plans by July 1, 2022.

El Dorado Irrigation District took a “support” position on AB 149. EID argued that by moving the year in which an urban water supplier would be required to update its 2020 plan to on or before July 1, 2021, the bill would enable a supplier to utilize the decennial census information on which to base its planning effort. The existing requirement to update the 2020 plan by December 31, 2020 leads to reliance on old census data.

Additionally, the District argued that AB 149 ensures that 2020 interim water use target reporting data, required by SBX7-7, the 20x2020 water conservation target statute enacted in 2009, will be fully included in 2020 UWMPs, and any future UWMPs if such reporting is required. Last year, AB 2067 (Weber) was enacted to, among other things, extend the submittal date for the 2015 UWMP to July 1, 2016 in order to include interim water use targets. EID took a “favor” position on the bill. AB 2067, however, did not change the due dates for subsequent UWMPs and there would be a similar issue with providing complete water use target reporting in the 2020 UWMP, and possibly future UWMPs, unless the deadline is changed. AB 149 would correct this problem and prevent the need for any such legislation in the future.

AB 149 passed the Assembly with a 78-0 vote and the Senate with a 35-0 vote. The bill was signed into law on September 19. (Chapter 463, Statutes of 2015)

Public Works: concrete delivery

Current law requires the prevailing wage rate to be paid to all workers on “public works” projects over \$1,000 and defines “public work” to include, among other things, construction, alteration, demolition, installation or repair work done under contract and paid for in whole or in part out of public funds. Current law defines “public works” to include the hauling of refuse from a public works site to an outside disposal location, with respect to contracts involving any state agency or political subdivision of the state. Current law makes a willful violation of law relating to payment of prevailing wages on public works a misdemeanor.

Assembly Bill 219, by Assemblyman Tom Daly (D-Anaheim), would expand the definition of “public works” to include the hauling and delivery of ready-mixed concrete to carry out a public works contract. The bill, among other provisions, would require the applicable prevailing rate to be the rate for the geographic area in which the concrete factory or batching plant is located.

El Dorado Irrigation District took an “oppose” position on the bill, arguing that the bill contravenes longstanding and well-established precedent that material suppliers are not subject to prevailing wage law. The current Industrial Welfare Commission ruling on this topic is that ready-mixed concrete companies are material suppliers and not subcontractors. There is, therefore, no requirement to pay prevailing wages to ready-mixed concrete delivery drivers to a public works project.

The District further argued that the enactment of AB 219 would result in significant cost increases on urban retail water suppliers for any public works project that requires the hauling and delivery of ready mixed concrete. These increased costs will provide upward pressure on water system rates, which have been increasing over time and have impacted the affordability of water for low income households. In its letter to the Governor requesting his veto, the District reminded the governor that both his administration and the legislature have expressed concern regarding the affordability of drinking water in California (Human Right to Water Law), and yet the District is required every year to implement or otherwise respond to new laws that increase the cost of providing water.

The bill passed the Senate on a 24-13 vote and the Assembly on a 51-27 vote. Governor Brown signed AB 219 into law on October 10. (Chapter 739, Statutes of 2015) Senator Ted Gaines and Assembly Members Beth Gaines and Frank Bigelow all voted against AB 219 on their respective floor votes.

Water Meters: multiunit structures

The Water Measurement Law requires every water purveyor to require the installation of a water meter to measure water service as a condition of new water service. Senate Bill 7, by Senator Lois Wolk (D-Davis), would require a water purveyor that provides water service to a newly constructed multiunit residential structure or newly constructed mixed-use residential and commercial structure to require the installation of either a water meter or a submeter to measure water supplied to each individual dwelling unit.

El Dorado Irrigation District approved a position of “watch” on the bill and held that position for much of the year. During the summer, however, the bill was amended in a form substantially similar to SB

750 (Wolk) from 2013, which failed passage in the Assembly Water, Parks and Wildlife Committee; as well as AB 19 (Fong) from 2011 which failed passage in the Assembly Housing and Community Development Committee. The District had a position of “oppose unless amended” on both of those bills.

SB 7, as amended, would on the one hand impose a mandate on a water purveyor to require the installation of a submeter, but on the other hand would not require a water purveyor to fund or assume responsibility for enduring compliance with any law or regulation governing installation, approval of submeter type, maintenance, reading, billing, and testing of water submeters and associated onsite plumbing. SB 7 thus would impose a mandate for which the water purveyor has no responsibility, which makes no sense. SB 7 also would provide that it “is the intent of the legislature that... [SB 7] should not be construed to impose costs on any local government agency, except to the extent that the local government agency is a water purveyor. Again, this provision makes no sense. If the bill would impose a mandate and result in costs to a water purveyor, the bill should be keyed to impose a state-mandated local program and cost reimbursement or a disclaimer should be added to the bill, argued the District.

Retail water service providers do not have jurisdiction over building and plumbing code enforcement matters. In fact, SB 7 would authorize the Department of Housing and Community Development to develop and propose for adoption by the commission building standards that require the installation of water meters or submeters in multiunit residential buildings. The District questioned why the Legislature would impose a mandate on water purveyors ahead of building standards being developed and adopted.

SB 7 also was amended to require further require installation of submeters to be provided by contractors licensed by the California Contractors State License Board using workers who meet specified training requirements. The latter amendment raised objections by apartment owners and meter manufacturers. SB 7, in the end, was refused passage in the Assembly Floor third reading with a 29-28 vote on September 8 and died in the Assembly failing to meet the September 11 legislative deadline pursuant to Rule 61(a)(14), last day for any bill to be passed, becoming a 2-year bill. Assembly Members Beth Gaines and Frank Bigelow voted against SB 7 on the Assembly Floor.

The California Public Records Act: local agencies

The California Public Records Act requires state and local agencies to make their records available for public inspection, unless an exemption from disclosure applies. The Act declares that access to information concerning the conduct of the people’s business is a fundamental and necessary right of every person in this state.

Senate Bill 272, by Assemblymember Robert Hertzberg (D-Van Nuys), would require each local agency, in implementing the California Public Records Act, to create a catalog of enterprise systems, to make the catalog publicly available upon request in the office of the clerk of the agency’s legislative body, and to post the catalog on the local agency’s internet Web site. The bill would require the catalog to disclose a list of the enterprise systems utilized by the agency, and, among other things, the current system vendor and product.

El Dorado Irrigation District took an “oppose” position on SB 272 for two reasons. First, the requirement to catalog enterprise systems and post the information on the Internet could increase the District’s exposure to security risks from hackers. The provisions of SB 272 were deemed to be vague as to the description required for “Enterprise Systems.” It was unclear as to whether the description required included IP addresses or current patches. Because many of the software applications are connected to the Internet to provide on-line services to residents, the system is more vulnerable to malicious hacking when information about systems is released.

SB 272 also was vague as to the systems that would fall under its provisions. The provisions of the bill were not clear as to whether the requirements apply only to systems that contain customer data or all systems. The bill could be interpreted to include information relating to the Supervisory Control and Data Acquisition System (SCADA) used by the District. SCADA – a system operated with coded signals over communication channels so as to provide for the control of remote equipment using typically one communication channel per remote station – is relied on to control water treatment and distribution, wastewater collection and treatment, electrical power transmission and distribution, among others. It is possible, if the system were to be hacked into, that these essential services could be disrupted.

Finally, the District argued that the enactment of SB 272, as written, would result in mandated costs being imposed on local agencies. Implementation of the bill’s requirements would result in significant staff time and costs to the agencies, which necessarily must be recovered through water and wastewater system rates. The bill would constitute an unnecessary expense given that it is unclear as to the benefit this information would provide to the general public or what this information would be used for in the future. Water rates are increasing statewide and in some public water systems, low income households are struggling to pay their water bills. It is the state policy to endure that water is affordable (Human Right to Water Law). This bill would result in upward cost pressure on water rates.

SB 272 was amended on September 2 to include amendments requested by the District that would exempt critical systems from disclosure, like SCADA, and leave discretion with the local agency as to whether information relating to a system, if released, could increase threats to the security of the information. Based on a number of late amendments to the bill, EID removed its opposition to the measure.

SB 272 was signed into law by Governor Brown on October 11. (Chapter 795, Statutes of 2015).

Urban Retail Water Suppliers: water loss management

Current law requires the state to achieve a 20 percent reduction in urban per capita water use in California by December 31, 2020, and requires the state to make incremental progress towards this goal by reducing per capita water use by at least 10 percent on or before December 31, 2015. Current law requires each urban retail water supplier to develop urban water use targets and an interim urban water use target, in accordance with specified requirements.

Senate Bill 555, by Senator Lois Wolk (D-Davis), would require an urban retail water supplier to submit a completed and validated water loss audit report for the previous calendar year as prescribed by rules adopted by the Department of Water Resources (Department). The bill would require the

department to post all such reports on its Internet Web site to make these reports available for public viewing. SB 555 would require the department to provide technical assistance to guide urban retail water suppliers' water loss detection programs. Finally, the bill would require the State Water Resources Control Board (State Board) to adopt rules requiring urban retail water suppliers to meet performance standards for the volume of water losses.

El Dorado Irrigation District opposed SB 555 for several reasons. First, the provisions of the legislation are unnecessary. The American Water Works Association third edition of Water Audits and Loss Control Programs, Manual M36, already informs urban water suppliers regarding water loss control programs. EID incorporates water loss control activities and programs into its water system operations. And, in compliance with SB 1420 (Chapter 490, Statutes of 2014), will be quantifying and reporting on distribution system water loss in their 2015 update to their urban water management plan.

Second, the legislation appears to require an urban retail water supplier to use a technical expert to confirm the basis of all data entries in the urban retail water supplier's water loss audit report and to appropriately characterize the quality of the reported data. This appears to constitute yet another unfunded mandate on urban water suppliers at a time when the Legislature has expressed concern about the affordability of water in California. It is these types of mandates imposed by the Legislature that drive up the cost of water.

Third, the provisions of the legislation regarding to the State Board were vague at best. Will the performance standards be enforceable or advisory? If enforceable, will urban water suppliers be subjected to administrative civil liabilities imposed by the board? If enforceable, is the Legislature mandating that local appropriations for water loss control must be first propriety for urban water suppliers, as compared to compliance with primary drinking water standards? Or, as compared to routine system repair, maintenance and replacement expenditures that might prevent water losses; e.g., the replacement of a water distribution pipeline before it begins to fail and result in leakage? These are all decisions that the elected boards of directors and management of urban water suppliers make each year (most have 5-year capital improvement programs). Also, will the performance standards take into account the differences in California water systems; e.g., large versus small, urban versus rural, compact municipal grid versus expansive foothill/mountain system.

Rather than taking a centralized, regulatory approach to local water loss control programs, EID requested that the author consider amending the Urban Water Management Planning Act to require urban water suppliers for the 2021 urban water management plan update to describe the supplier's water loss control program, formulate and describe a leakage reduction target and identify resource needs, program implementation actions taken for the most recent 5-year period, and results achieved through the supplier's water loss control program. Relying on such an approach would provide the same information, allow suppliers to determine their own leakage reduction target and demonstrate progress toward achieving the target, and would reduce the General Fund costs of the bill to less than significant.

SB 555 passed the Senate with 40-0 vote and the Assembly with a 71-5 vote. The bill was signed into law on October 9. (Chapter 679, Statutes of 2015) Senator Ted Gaines voted in support of the bill on the Senate Floor. Assembly Member Beth Gaines voted in support of the bill on the Assembly Floor, while Assembly Member Bigelow opposed the measure.

EID an Effective Advocate on Behalf of its Taxpayers and Customers

This completes the 11th year of a commitment on the part of the EID Board of Directors to aggressively pursue advocacy efforts in the State Capitol relying on Reeb Government Relations to be its voice. The District remains active in battling legislation that would impose new costs on the District and its taxpayers and ratepayers without providing measure benefits.

Looking Ahead to 2016

Elections

Statewide elections return next year, with 20 State Senate seats and all 80 State Assembly seats open for election. Locally, Senator Ted Gaines will seek a second and final full term in the State Senate's 1st District, which is considered a safe Republican seat. Jefferson state activist Steven Baird, a Republican, has indicated an interest in challenging Gaines.

Assembly Member Beth Gaines, who represents the western portion of the District in the Assembly, cannot seek re-election due to term limits. To date, potential known candidates for the 6th Assembly District seat include: Gabriel Hydrick (Republican) - Councilmember, Lincoln; Bill Halldin (Republican) - Trustee, Sierra College District; Cristi Nelson (Republican) – Attorney; Ron Mikulaco (Republican) - Supervisor, El Dorado County; Kevin Hanley (Republican) - CEO, Auburn Chamber of Commerce; Kevin Kiley (Republican) - Deputy attorney general; Suzanne Jones (Republican) - Member, Placer Board of Education; and Mike Herrick (Republican). The 6th District is considered a safe Republican seat.

Assembly Member Frank Bigelow will be seeking a third term in office in the 5th Assembly District, having won his initial term in 2012. He is being challenged by Marc Belden, no party preference, who is a businessman currently residing in Railroad Flat in Calaveras County. Mr. Belden unsuccessfully sought the seat in 2012, securing 4% of the primary vote that year. The 5th District is considered a safe Republican seat.

Paying for the State's Share of Infrastructure and Other Costs; Local Utility Rate Option

Two proposals at the state level that would address water resources infrastructure funding challenges could occupy much of the District's advocacy efforts in 2016.

The first proposal is presently incorporated into Senate Bill No. 20 by Senator Pavley. SB 20 would create the California Water Resiliency Investment Fund (Fund) in the State Treasury and provide that moneys in the fund are available, upon appropriation by the Legislature, for the purpose of providing a more dependable water supply for California.

SB 20, among its statements of findings and declarations, cites reports by the Public Policy Institute of California (PPIC) and others that indicate that state and local agencies face a multibillion dollar annual funding deficit in addressing the state's long-term water needs and that greater investments

are needed to protect the state's economy and natural resources and to ensure that disadvantaged communities have access to safe drinking water. The PPIC publication *Paying for Water in California* (March 2014) states:

“California’s water supply and wastewater providers, which together account for over 85 percent of total spending, are performing reasonably well—providing safe, reliable levels of service and preparing for future needs. These utilities are almost entirely locally funded, and to date they have generally been able to raise rates to comply with new treatment requirements and replace aging infrastructure.”

PPIC identifies “debilitating” structural funding gaps in five areas that range from \$2 to \$3 billion annually, according to the institute: small, rural water systems; flood protection; stormwater pollution; aquatic ecosystem management; and integrated water management. The overall funding gap in these five areas is on the order of \$2 billion to \$3 billion annually, claims PPIC: \$30 million to \$160 million to provide safe drinking water in small, disadvantaged rural communities; \$800 million to \$1 billion for floods; \$500 million to \$800 million for stormwater management; \$400 million to \$700 million for ecosystem support for endangered species; and \$200 million to \$300 million for integrated water management. Of these, however, only stormwater management is an exclusive local agency responsibility; flood protection, in the most vulnerable Central Valley region of the state, is largely a shared federal, state and local agency responsibility. The state has relied on increasingly stringent water quality fees and regulatory programs, along with regulations (biological opinions, terms and conditions, reserved jurisdiction) imposed on the exercise of water rights, to drive aquatic ecosystem management. The state’s policy regarding a Human Right to Water places the responsibility to consider water affordability on state agencies, as opposed to local water providers. Any state interest in funding aquatic resource management or integrated water management should rely on state revenues as such expenditures do not provide a special benefit to local water consumers.

According to PPIC:

“For small, rural drinking water systems with contaminated groundwater wells, the shortfall in funding is hard to bridge because prospective solutions have high costs per household and many households in these communities have limited means. In the four other areas, the key challenge is a legal environment for water funding that is out of sync with modern water management objectives. Again, Proposition 218 poses problems, requiring voter approval for fees and assessments for “property-related” flood protection and stormwater management. Moreover, anything not qualifying as a fee is a tax, and earmarked “special” taxes require a two-thirds supermajority of local voters since the passage of Proposition 13 in 1978. Proposition 26, a new constitutional reform passed in 2010, restricts the definition of other, non-property-related fees, potentially further hampering fundraising for stormwater management and ecosystem improvement.”

The PPIC publication includes the following recommendations:

“To fill the existing funding gaps, and to prevent new ones from forming, California will have to better align its funding laws with the goals of modern water management. The legislature will need to pass new special taxes and regulatory fees to tap a broader mix of funding sources. And alongside any new state GO bonds, California voters will also need to approve a suite of constitutional reforms to address the unintended consequences of Propositions 218, 26, and 13 for local governments’ ability

to manage water responsibly. These reforms would maintain the salutary aspects of these laws, such as their high standards of transparency and accountability, while enabling more efficient, equitable, and sustainable water management. In particular, they should provide a more flexible definition of fees, remove the local voter approval requirements for fees and assessments for flood protection and stormwater management (comparable to water and wastewater fees), and lower the local voter threshold for special taxes to a simple majority (comparable to fiscal measures in statewide elections and local general taxes).”

SB 20 does not provide any details as yet regarding the manner in which revenue would be raised for the Fund. It is known, however, that a public goods charge imposed on individual water consumers would be the vehicle. SB 20 would create five accounts within the Fund, which provides a clear indication as to Senator Pavley’s funding priorities. The accounts set forth under the provisions of SB 20 include:

- The Emergency Drought Response and Recovery Account to support emergency actions to protect vulnerable populations from the severe impacts of droughts, including providing emergency drinking water and other residential water supplies, food assistance, employment training and placement, and other economic relief.
- The Integrated Regional Water Resiliency and Management Account to provide matching grants to local and regional agencies to increase regional self-reliance and result in integrated, multibenefit solutions for ensuring sustainable water resources. Eligible projects may include groundwater storage, wastewater recycling, stormwater capture, water conservation, flood management, and other water supply and quality projects.
- The Safe Drinking Water for Disadvantaged Communities Account to support planning, construction, operation, and maintenance of drinking water systems for disadvantaged communities.
- The Environmental Resilience and Recovery Account to provide funding to restore and protect fish and wildlife habitats and populations to avoid or reduce conflicts with water management systems. Funding from the account shall only be used for projects that will provide fisheries, wildlife, or ecosystems with benefits or improvements that are greater than required applicable environmental mitigation measures or compliance obligations and shall not be used to pay for the mitigation or environmental review costs of any current or proposed water supply project.
- The Smart Water Data Program Account to support improved data and information systems that enable better management of water resources and to further facilitate expansion of water markets.

The Association of California Water Agencies (ACWA) opposes a public goods charge. However, in regard to reforming Proposition 218, ACWA has been active in a coalition with the League of California Cities, California State Association of Counties and California Water Foundation to identify and implement a strategy to accomplish three goals:

1. Enhance the ability of local agencies to finance stormwater and flood control infrastructure.

2. Provide more flexibility for the establishment of conservation-based tiered water rate structures; and
3. Allow public agencies, at their discretion, to implement lifeline water rates for low-income households.

Rather than seeking to amend Proposition 218, the coalition is pursuing approval of a new constitutional amendment that would provide local agencies an alternative to Proposition 218 in terms of imposing fees and charges to pay for water, sewer, stormwater and flood protection projects and services. The coalition has not yet determined whether it will sponsor a constitutional amendment in the Legislature next year or pursue a signature-gathering petition drive to place a proposal directly on the November 2016 ballot. It will submit a proposed initiative to the Office of the Attorney General to obtain a ballot title and summary. The latter information will be used to conduct voter polling in order to inform the coalition supporters of which path to pursue in seeking enactment of the proposed constitutional amendment. Reeb Government Relations has taken part in an ACWA working group that is reviewing provisions of the proposal to ensure that its provisions are permissive rather than mandatory and to ensure the greatest clarity in drafting possible to reduce the likelihood of legal challenges should the amendment effort succeed.

Presentation of Annual Report by Reeb Government Relations, LLC for 2015

El Dorado Irrigation District

December 14, 2015

PREVIOUS BOARD ACTION

- Since 2005, the Board has proactively taken positions on State legislation that affect the District's interests
- Reeb Government Relations has served as the District's State legislative advocate during that time

SUMMARY OF ISSUE

- First year of 2015-2016 Regular Session of the State Legislature has concluded
- Bob Reeb has prepared a 2015 Annual Report
- Mr. Reeb, District influenced or monitored
 - 67 bills
 - Other activities in the Capitol
- Mr. Reeb is present to summarize his report

STAFF ANALYSIS/EVALUATIONS

- State Budget Appropriations/Budget Trailer Bills
- Legislation the District actively participated in, covering topics that included:
 - Drought funding/enforcement
 - Wild and Scenic Rivers
 - Urban Water Management Plans
 - Public works/prevaling wage
 - Water meters for multiunit structures
 - The California Public Records Act
 - Urban retail water loss management
- 2016 Elections
- Legislative Issues for 2016

BOARD DECISIONS/OPTIONS

No action. Information only.

Q U E S T I O N S ?

EL DORADO IRRIGATION DISTRICT

SUBJECT: Staff response to November 9, 2015 handout regarding the District's Facility Capacity Charge setting policy.

Previous Board Action:

- August 26, 2013 – The Board adopted the update to the District's Facility Capacity Charges
- November 9, 2015 – The Board adopted the 2016 Mid-Cycle Operating Budget and the 2016-2020 Financial Plan, including the implementation of water and recycled water rate increases of 5, 5, 4, 3, 3% and 0, 5, 4, 3, 3% for wastewater rates, and revision of the Small Farm and Agriculture with Residence water rates to include Tier II potable water pricing; and directed staff to issue a Proposition 218 notice for the proposed rate increases and changes

Board Policies (BP), Administrative Regulations (AR), and Board Authority:

Board Policy 11010: The District shall strive to recoup all costs of providing services through rates, fees, charges, fines, and deposits. The Board will adopt changes in rates pursuant to Article XIII D Section 6 of the California Constitution (Proposition 218) and changes to FCCs.

In relation to FCCs, the District is committed to providing capacity for a reasonable rate of growth within its service area as approved by the appropriate land use agencies. FCCs will be charged to applicants for new service to cover the costs of services that include but are not limited to water filtration, sewage treatment, recycled water, system storage, and transmission and distributions systems. Existing customers will not share in these costs.

Administrative Regulation 11010: The District will establish all user charges and fees at the full cost of providing the service, including direct, indirect, overhead, and capital recovery costs.

The Board of Directors will review and adopt rates and Facility Capacity Charges (FCCs). The General Manager or her/his designee will periodically review and report to the Board on rates and FCCs and will review and approve all other District fees, charges, penalties, and deposits.

Administrative Regulation 9028.1: The District will not pass on to the existing customer the incremental cost for expansion of utility facilities and service to provide for growth. Expansion of District facilities to provide capacity for new development will be financed by facility capacity charges assessed to the developers. The extension of utility lines to the development will be engineered and financed by the developer.

Summary of Issue:

During the November 9, 2015 Board meeting, a handout was distributed regarding the proposed rate increases and FCC charges. Staff did not have an opportunity to review and comment on the handout. Staff has reviewed the document and prepared a response to the claim that "proposed 2016-2020 rate hikes are in conflict with EID Administrative Regulation 11010 and FCC fee setting policies."

Staff Analysis/Evaluation:

Director Prada claimed that the Financial Plan proposed by staff and adopted by the Board at the November 9th meeting will have rate payers pay for the entire \$49 million forecasted water bond issue for specifically identified projects. The handout suggested 1) the FCC needs to be increased, 2) verify that the past debt costs for new development have been incorporated in the FCC charge and 3) remove the new development debt service portion from the proposed rate increases.

FCC Summary

On August 26, 2013 the Board adopted the Update to the District's Facility Capacity Charges (FCCs). The District's FCC calculation methodology uses three standard components common throughout the utility industry. Each is briefly described below.

The buy-in method allocates costs so that new customers reimburse existing customers for the present value of their past investments in infrastructure that benefit the new customers. The fees are used to help offset the costs of replacement and improvement projects in the system.

The incremental cost method allocates to new customers the costs of system expansions that are needed to serve them.

The total cost attribution method blends the buy-in and the incremental cost approaches. The total cost attribution method considers both the replacement of existing facilities and planned expansions. This method is generally used when significant infrastructure is already in place.

Following the approach of the 2008 study, the 2013 update incorporated each of the methods where appropriate.

Water FCC

The water FCC is comprised of three components:

- 1) Buy-in to existing water treatment, transmission, storage and general facilities,
- 2) A water supply component based on the cost of Project 184 water supply, and
- 3) The expansion-related water system capital improvement projects.

BUY-IN

The buy-in method reflects the present value of the investment made in the water system based on the cost of the existing facilities. This standard approach does not distinguish between existing and remaining capacity because without these existing facilities, new development could not connect to the water system.

The buy-in charge is calculated as follows:

- 1) Determine the current value of fixed assets (using replacement cost method less depreciation, escalated to current dollars using the ENR Construction Cost Index.)
- 2) Add work in progress
- 3) Add cash reserves
- 4) Add the present value of past debt issuance costs and interest payments
- 5) Subtract outstanding principal on debt
- 6) Subtract credit for property taxes
- 7) Divide by the number of existing plus future EDUs

$$\text{Buy-in Water FCC} = \frac{\text{Fixed Assets} + \text{Adjustments to Water System Valuation}}{\text{Existing} + \text{Future EDUs}}$$

The debt costs associated with previous new development capital projects are recovered in item 4 above and included in Table 1 below.

Table 1: Buy-in charge (2013)

Asset Class	One District
Land and Land Rights	\$ 3,501,947
Source of Supply	37,389,394
Pumping	2,616,392
Water Treatment	45,889,383
Water Facilities	507,275
Transmission and Distribution	194,312,830
Fixed Assets Totals	\$ 284,217,221
Adjustments to Water System Valuation	
Add Water System Work in Progress	\$ 9,997,683
Add Water System Reserves	31,762,481
Add PV of Past Issue & Int. Costs on LT Debt	208,614,567
Subtract Outstanding Principal on LT Debt	(225,503,404)
Subtract Credit for Property Taxes	(55,235,200)
Total Adjustments	\$ (30,363,874)
Total Water System Buy-In Value	\$ 253,853,347
Total Water System EDU's	79,143
Water System Buy-In FCC (\$/EDU)	3,208

WATER SUPPLY

The water supply component represents the contribution made for new water supplies, including Project 184 water supply and the El Dorado Water and Power Authority (EDWPA) new water supply that benefits new development. The FCC is determined using the total cost attribution method. Water supply capital projects and Project 184/hydroelectric fixed assets are divided by the water supply yield to derive a water supply cost per acre-foot. The water supply FCC is then calculated by multiplying the water supply cost per acre-foot by the average unit water demand.

$$\text{Water Supply Cost per AF} = \frac{\text{Hydroelectric and Water Supply CIP} + \text{Hydroelectric Fixed Assets}}{\text{Water Supply Yield}}$$

$$\text{Water Supply FCC} = \text{Water Supply Cost} * \text{AF/EDU Demand}$$

Capital projects included in the water supply component of the FCC are shown in Table 2 below.

Table 2: Water supply component (2013)

PROJECT	PROJECT DESCRIPTION	FCCs	Rates	Power Sales	Total 2013-17 Funding
HYDROELECTRIC CIP: 2013 - 2017					
03011H	Forebay Dam Upgrades	\$ 7,632,000	\$ 6,768,000		\$ 14,400,000
04005H	Powerhouse Upgrade		80,000		80,000
06030H	Bridge Replacement at Camp 2	535,300	474,700		1,010,000
06024H	FERC C40 Gaging Facilities	34,450	30,550		65,000
06025H	FERC C41 Canal Release Points	21,200	18,800		40,000
07008H	FERC C51.8 SL Campground West Improvements	397,500	352,500		750,000
11002	El Dorado Diversion Dam Upgrades	145,750	129,250		275,000
11004	Lake Aloha Dam Regulatory Improvements	132,500	117,500		250,000
11005	Silver Lake Dam Regulatory Improvements	169,600	150,400		320,000
11008	Flume 39-40 Replacement	185,500	164,500		350,000
11009	Flume 45 Replacement	238,500	211,500		450,000
11023	Echo Conduit Replacement	2,000,750	1,774,250		3,775,000
12020	Diversion Dam Fish Screen	69,960	62,040		132,000
08003H	Flume 41 Replacement	2,809,000	2,491,000		5,300,000
08004H	Flume 45A and 47 Replacement	658,525	583,975		1,242,500
					-
		\$ 15,030,535	\$ 13,408,965	\$ -	\$ 28,439,500
New Hydroelectric Projects					
Carry Over	Flume 52A Replacement	\$ 1,007,000	\$ 893,000		\$ 1,900,000
Carry Over	Hydro SCADA Network Reliability Program		194,000		194,000
Carry Over	Penstock Assessment		100,000		100,000
Carry Over	Alder and Plum Siphon Assessments	26,500	23,500		50,000
Carry Over	Canals and Flumes Upgrade	53,000	47,000		100,000
Carry Over	El Dorado Canal Relining Program	159,000	141,000		300,000
Carry Over	Flume 42-43 Replacement	1,749,000	1,551,000		3,300,000
Carry Over	Flume 48 Replacement	1,749,000	1,551,000		3,300,000
Carry Over	Flume 44 Replacement	1,696,000	1,504,000		3,200,000
Carry Over	Flume 4 Replacement	53,000	47,000		100,000
New	Flume 42-46 Feasibility Study	106,000	94,000		200,000
					-
		\$ 6,598,500	\$ 6,145,500	\$ -	\$ 12,744,000
	Subtotal CIP Hydroelectric Projects	\$ 21,629,035	\$ 19,554,465	\$ -	\$ 41,183,500
General District Water Supply					
89069E	Water Rights for 17,000 Acre Feet	\$ 50,000			\$ 50,000
06004G	SMUD/ El Dorado Agreement Water Rights	470,000			470,000
					-
	Subtotal General District Water Supply	\$520,000	\$ -	\$ -	\$ 520,000
HYDROELECTRIC FIXED ASSETS					
	Subtotal Fixed Assets	\$ 60,223,781	\$ 53,405,994	\$ 3,106,873	\$ 116,736,648
TOTAL					
	TOTAL	\$ 82,372,816	\$ 72,960,459	\$ 3,106,873	\$ 158,440,148
	Water Supply Yield in ac/ft	17,000			
	Water Supply Cost per AF	\$ 4,845			

As shown in the Table 2 and in the following Table 3, all of the projects identified in the proposed 2016 water bond sale are included in the 2013 FCC calculation, except for the Esmeralda Tunnel repair which occurred after FCC adoption. The capital costs for Forebay Dam remediation, flume replacements and the Esmeralda Tunnel repair are shared between FCCs and rates. The Sly Park Intertie and Main Ditch Piping costs will be recovered through rates. The cost estimates have changed since, however the FCC has been increased annually per the ENR construction cost index and updated engineering costs will be included in a larger 2016 FCC update.

The current FCC includes 53% of the cost of Forebay Dam remediation and flume replacement projects to be paid by new hookups, recognizing that these facilities also will convey the new 17,000 AF water supply from Project 184. The 2013 FCC includes \$7.6 million for Forebay Dam remediation, and \$10.3 million for flume replacements, approximately \$18 million total. The proposed \$49.3 million debt issuance includes \$10 million to be collected through FCCs for Forebay Dam remediation, \$6.1 million for flume replacement and \$3.25 million for Esmeralda Tunnel repair, approximately \$19.4 million total.

Although project costs have risen and the Esmeralda Tunnel repairs is a new project not included in the 2013 FCC, the District has already included Forebay Dam remediation and flume replacement of approximately \$18 million into the 2013 FCC charge which is similar in total to the estimated \$19.4 million in capital costs for Forebay Dam remediation, flume replacement and Esmeralda Tunnel repairs that are included in the proposed bond sale. New development does pay, through FCCs, their portion of these projects that convey new water supplies. Since these costs are already included in the FCC, no increase in the FCC is needed as a result of the proposed bond issuance.

The FCC has also been adjusted annually based on the ENR Construction Cost Index since 2013 and a larger update is planned in 2016 to reflect cost adjustments and new projects per the recently adopted 2016-2020 CIP. The increase in the water supply component of the FCC as a result of those cost adjustments is expected to be only \$150-\$200 per EDU.

Additionally, Table 2 shows near the bottom of the table, the SMUD/El Dorado Agreement Water Rights costs are included in the FCC charge to new customers.

FUTURE CAPITAL PROJECTS

This component represents the investment needed in the water system to provide additional capacity for new users. It includes expansion related water projects and capital expenditures identified in the 2013 Integrated Water Resources Master Plan. Costs for the expansion of assets to serve new development are included in FCCs, and costs to replace assets that benefit existing customers are recovered through rates.

Table 3: Future capital projects component (2013)

Project No.	Project Description	All District	Rates	Total Funding
		FCCs (2)		
WATER CIP				
10015	Water System Upgrades		\$ 150,000	\$ 150,000
10022	Silva Valley Interchange (DOT)		375,000	375,000
11017	Reservoir A WTP Chlorine conversion		1,500,000	1,500,000
11026	Reservoir A Process Improvements		390,000	390,000
11032	Main Ditch - Forebay to Res 1		80,000	80,000
11033	Summerfield Ditch / Fannon Reservoir Fill System		100,000	100,000
11035	Water Tank Recoating Program		3,000,000	3,000,000
11040	Ditch Water Rights/SCADA		32,000	32,000
12008	Patterson Intersection Improvements (DOT)		204,000	204,000
12023	DOT Construction Projects - Water		125,000	125,000
07033E	Sly Park Dam Evaluation		160,000	160,000
09006E	Blakeley Reservoir Improvements		770,000	770,000
SDWL04	Reservoir Floating Cover Replacement Prog		150,000	150,000
IWRMP	Sly Park Intertie Lining		4,320,000	4,320,000
Carry Over	Outingdale WTP		25,000	25,000
Carry Over	Development Services Water Model		150,000	150,000
Carry Over	Main Ditch - Reservoir 1 to Blakeley Reservoir		10,000	10,000
Carry Over	Monte Vista Tank	58,750	1,116,250	1,175,000
Carry Over	PRS Replacement Program		475,000	475,000
Carry Over	2013 Waterline Replacement Program		125,000	125,000
Carry Over	Pump Station Upgrade Program		310,000	310,000
Carry Over	Moosehall Pump Station Upgrades		50,000	50,000
Carry Over	Strawberry WTP Evaluation		50,000	50,000
NEW	IWRMP Implementation	93,750	31,250	125,000
NEW	Water SCADA Network Reliability Program		449,000	449,000
NEW	Greenstone Tank Telemetry Installation		60,000	60,000
NEW	R1WTP Spent Backwash Treatment		25,000	25,000
NEW	RAWTP Filter Media Evaluation		25,000	25,000
NEW	Water Facility Replacement Program		500,000	500,000
NEW	Emergency Generator Replacement - Water		450,000	450,000
NEW	Spencer Road Waterline Replacement		105,000	105,000
IWRMP	Compliance w/ Stage 2 D/DBP Rule		200,000	200,000
IWRMP	Main Ditch Piping		5,300,000	5,300,000
IWRMP	Reservoir 1 WTP Upgrades		1,630,000	1,630,000
IWRMP	Reservoir A WTP Direct Filtration Study		200,000	200,000
IWRMP	EDHWTP Raw Water PS Upgrade		3,250,000	3,250,000
IWRMP	New WTP	47,740,000		47,740,000
IWRMP	Parallel DSM Res 11 - Res 12	6,480,000		6,480,000
IWRMP	Pipeline from New WTP to Valley View	74,330,000		74,330,000
IWRMP	White Rock Diversion	44,870,000		44,870,000
IWRMP	Treated Water Storage		13,121,875	13,121,875
Total Water CIP		\$ 173,572,500	\$ 25,892,500	\$ 199,465,000
GENERAL DISTRICT CIP (Allocated to Water FCCs)				
06004G	SMUD / El Dorado Agreement Water Rights	\$ -		\$ -
89069E	Water Rights for 17,000 Acre Feet	-		-
Total General District CIP		\$ -	\$ -	\$ -
Total Water CIP		\$ 173,572,500	\$ 25,892,500	\$ 199,465,000

Table 4 shows the combination of the three calculated components which made up the 2013 water FCC.

Table 4: Total water FCC (2013)

FCC Components	One District
BUY-IN COMPONENT	
Existing Treatment, Transmission and Storage	
Fixed Assets & Valuation	\$ 253,853,347
Total EDUs (existing plus future)	79,143
Buy in / EDU	\$ 3,208
WATER SUPPLY COMPONENT	
Water Supply Projects & Hydroelectric Fixed Assets	\$ 82,372,816
Water Supply AF	17,000
Water Supply Cost per AF	\$ 4,845
Demand AF/EDU	0.6577
Water Supply Component / EDU	\$ 3,187
FUTURE CAPITAL PROJECTS COMPONENT	
Water CIP funded by FCCs	\$ 173,572,500
Future EDUs	15,522
Future Capital Projects Component / EDU	\$ 11,183
TOTAL WATER FCC	\$ 17,577

Since the 2013 FCC update was adopted in 2013, the annual adjustment to the FCC for the prior twelve months using the 20-city national average Construction Cost Index was effective on January 1, 2015, following again on January 1, 2016. During 2016, after the completion of the annual audit, the FCC will be updated completely using fixed asset schedules through 2015.

The 2013 Wastewater FCC was calculated using the same methodology as the water FCC for wastewater's two components of Buy-In and Future Wastewater CIP.

The 2013 Recycled Water FCC used a combined Buy-In/CIP component to calculate its charge and does not include a debt component since no debt has been used in the construction of Recycled Water fixed assets by the District.

FCC INCREASES – PAST 13 YEARS

The District began to experience significant growth in the late 1990’s and early 2000s. Since the last formal evaluation of FCCs had not occurred since 1992, the District began to increase the FCC charge in 2003. The appropriate FCC and rate comparisons therefore start in 2003. The Water FCC increased from 2003-2015 by 286% and the Wastewater FCC, 114%. Comparably for the same period of time the water rate charges increased by 130% and the wastewater, 84%.

Table 5 below shows the comparison of the increases, since 2003, for the FCCs and rates.

Table 5: FCC and Rate comparisons 2003-2015

Year	Ed Dorado Hills FCC Water	Ed Dorado Hills FCC Wastewater	Water Rate Increase	Wastewater Rate Increase
2003	\$ 4,646	\$ 6,143	0%	0%
2004	8,862	9,223	7%	0%
2005	11,954	9,855	7%	4%
2006	11,954	9,855	7%	4%
2007	11,954	9,855	7%	4%
2008	15,751	13,441	0%	4%
2009	15,751	13,441	0%	0%
2010	15,751	13,441	18%	18%
2011	15,751	13,441	15%	15%
2012	15,751	13,441	11%	5%
2013	17,578	12,862	11%	5%
2014	17,578	12,862	5%	5%
2015	17,930	13,119	0%	0%
Change	286%	114%	130%	84%
Avg Annual	11.91%	6.53%	7.19%	5.20%

To summarize and respond to the main points of the handout:

- Past and future debt costs are recovered both through rates and FCC charges based upon the adopted FCC study and the 2016-2020 Financial Plan.
- The current FCC already has included Forebay Dam remediation and flume replacement projects into the charge, therefore no increase in the FCC is needed and the FCC revenue stream is already included in the Financial Plan to help fund these projects.
- New development does pay their fair share, through payment of FCC fees, for capacity related projects and debt costs when they hook up to the system.

The proposed 2016-2020 rate increases are compliant with BP 11010 and AR 11010 and the FCC rate setting policies.

Board Decisions/Options:

Information only

Staff/General Manager's Recommendation:

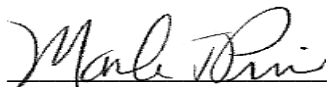
N/A

Support Documents Attached:

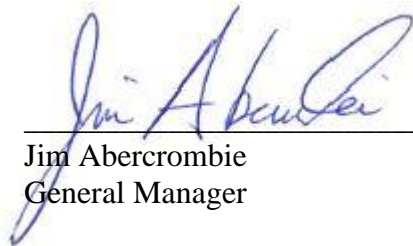
- A. Adopted 2013 FCC update Public Hearing Document (August 26, 2013)
- B. Appendix A – Facility Capacity Charges Methodology and Schedule: An Update to the 2008 Facility Capacity Charges and
- C. Director Prada November 9, 2015 handout



Brian Mueller
Director of Engineering



Mark Price
Director of Finance



Jim Abercrombie
General Manager

EL DORADO IRRIGATION DISTRICT

Subject: Consideration of a resolution for the adoption of the Update to the District's Facility Capacity Charges (FCCs)

Previous Board Action:

- February 25, 2008: The Board adopted the updated facility capacity charges (FCCs) schedules, effective immediately.
- June 10, 2013: The Board held a public workshop to review the draft update to the District's Facility Capacity Charges.
- August 12, 2013; The Board held a Finance, Rates and Charges Committee meeting to review the draft update to the District's Facility Capacity Charges.

Board Policies (BP) and Administrative Regulations (AR):

Board Policy 11010: The District shall strive to recoup all costs of providing services through rates, fees, charges, fines, and deposits. The Board will adopt changes in rates pursuant to Article XIII D Section 6 of the California Constitution (Proposition 218) and changes to FCCs.

In relation to FCCs, the District is committed to providing capacity for a reasonable rate of growth within its service area as approved by the appropriate land use agencies. FCCs will be charged to applicants for new service to cover the costs of services that include but are not limited to water filtration, sewage treatment, recycled water, system storage, and transmission and distributions systems. Existing customers will not share in these costs.

Administrative Regulation 11010: The District will establish all user charges and fees at the full cost of providing the service, including direct, indirect, overhead, and capital recovery costs.

The Board of Directors will review and adopt rates and Facility Capacity Charges (FCCs). The General Manager or her/his designee will periodically review and report to the Board on rates and FCCs and will review and approve all other District fees, charges, penalties, and deposits.

Summary of the Issue:

The primary function of water, wastewater and recycled water facility capacity charges (FCCs) is to recover the cost of those portions of existing District facilities that will be used by future customers and to fund needed expansion, or additional capacity, of District facilities to serve new users. The District remains neutral on growth issues, but it has a legal obligation to provide service, on reasonable terms and conditions, to new users approved by the agencies that govern land use within EID's service area. Per Board policy, the District levies FCCs on new

development in amounts sufficient to ensure that existing customers do not subsidize new growth. The Board's policy that new growth must pay for itself is straightforward.

In California, the basic statutory standards governing water, wastewater, and recycled water FCCs are found in Government Code Sections 66013, 66016, and 66022. Section 66013 indicates that any connection fee must be based on an estimate of the reasonable cost of providing service to new customers. Section 66016 sets the procedures for adopting that fee, including public notice, a public hearing, and Board action by resolution or ordinance. Section 66022 sets the procedures for legal actions challenging a fee.

The District periodically reviews its FCCs to ensure they accurately reflect the costs of providing service to new customers. In 2006, the District hired Bartle Wells Associates (Bartle Wells) to update the District's water and wastewater FCCs. During 2007, the District convened a task force several times, which included members of the public and District staff, to review the proposed updates to the existing FCCs and resolve concerns about charges related to meter size, components of buy-in costs related to smaller distribution lines, water supply and future capital improvement plans related to growth. The task force recommended revisions to the proposed updated FCCs at that time and all of the proposals were adopted by the Board on February 25, 2008.

Due to both water and wastewater master plans being conducted over the past two years, staff deferred updating the FCCs in order to incorporate the master plan information into the updated FCCs. Accordingly, in 2012, staff began updating the FCC model developed by Bartle Wells and with the completion of both master plans, has completed the draft FCC update calculations.

Staff Analysis/Evaluation:

Update of the FCC model and modifications to the previous methodology

District staff prepared a draft of the proposed updated FCCs using the existing model received from Bartle Wells as the starting point for internal discussion and analysis. During this internal review of the updated FCCs, staff used the same methodology from the original model, with a few proposed modifications. to develop an updated FCC which staff presented to the Board in a workshop on June 10, 2013.

During the workshop staff was asked to work with the local development community to gather input on the development of the FCC. Staff met twice with several members of the community, once on July 23, 2013 and again on August 6, 2013.

Specific items discussed within the group meetings were the escalation of the fixed asset replacement value calculated for the buy-in component of the FCC, the dollar value of the increase in fixed assets from the last study to the current proposal, exclusion of 6" and below water distribution lines from the fixed asset list (similar to the exclusion of collection lines within the wastewater FCC), the calculated average consumption amount attributed to a new EDU, inclusion of several of the new projects from the newly adopted master plans, creating a single, District-wide FCC, and the methodology for calculating the dual-plumbed water FCC.

The FCCs proposed in the attached resolution include some of the changes discussed in the group meetings. Others were considered but not included. The FCCs now proposed include the following modifications discussed in the group meetings.

1. The buy-in value of fixed assets is determined using the replacement cost method less depreciation, escalated to current dollars using the ENR Construction Cost Index. Deducting depreciation reduces the asset value to carrying value, which is then escalated. This change from the prior methodology better reflects the true value of the buy-in cost component of the FCC.
2. Water distribution lines 6" and below in size are excluded from the calculation (the previous methodology excluded lines 5" and below). This approach excludes District assets that provide local, not general, benefits.
3. This proposal is for a District-wide FCC, which emulates the approach taken in the 2011 adopted Cost of Service Study for rates, thus eliminating the separate regional FCCs previously utilized.
4. Although the average consumption attributed to each EDU remains the same in this final proposal, it is now an average of each water region to calculate a District-wide FCC. This item will be reviewed in future years as more data and time pass.
5. New projects identified in the recently adopted master plans, as well as the increase in EDU capacity created by those facilities, are included in this proposal.
6. The proposed dual-plumbed water FCC is calculated to be about \$6,000 less per EDU than a regular potable connection, and the total FCC for a dual-plumbed home with sewer service is about \$3,000 less per EDU overall than a potable-only water and sewer connection. In the June 2013 proposal, a dual-plumbed FCC was calculated to be slightly higher than a potable connection.

Methodology

The District's FCCs are calculated using three standard methods—buy in, incremental cost, and total cost attribution—that are common throughout the utility industry. Each is briefly described below and more fully in Appendix A.

The buy-in method allocates costs so that new customers reimburse existing customers for the present value of their past investments in infrastructure that benefit the new customers. The fees are used to help offset the costs of replacement and improvement projects in the system.

The incremental cost method allocates to new customers the costs of system expansions that are needed to serve them.

The total cost attribution method blends the buy-in and the incremental cost approaches. The total cost attribution method considers both the replacement of existing facilities and planned expansions. This method is generally used when significant infrastructure is already in place.

Following the approach of the 2008 study, this update incorporates each of these methods where appropriate.

Service Regions

The District currently has two water FCC regions: El Dorado Hills/Cameron Park and General District. The current El Dorado Hills/Cameron Park region was developed in the 2008 study because of planned infrastructure projects at that time, which would have increased the ability to

pump water from Folsom Reservoir into the Cameron Park area. The newly adopted IWRMP now recommends diverting new water supplies at the White Rock penstock, creating a new water treatment plant east of Cameron Park, and eliminating the pumping costs needed to move additional water supplies from Folsom Reservoir. The District's water system is one connected, integrated system. Therefore, in this 2013 Water FCC update, and consistent with the Cost of Service Study, the District is proposing one District-wide FCC.

The wastewater service regions have also been revised. The 2008 FCC attempted to separate wastewater FCCs for El Dorado Hills, Cameron Park, Mother Lode, and the satellite wastewater systems of Camino Heights and Gold Ridge Forest. In the 2013 update, staff is proposing to combine the service regions to calculate a single FCC. Therefore, in this 2013 Wastewater FCC update, and consistent with the Cost of Service Study, the District is proposing one District-wide FCC.

Future Water and Wastewater CIP Incremental Component

The existing FCC included capital costs in the 5-year CIP at the time, including projects such as the Temperature Control Device and Seasonal Storage. The Temperature Control Device and Seasonal Storage are no longer included in the CIP and have been removed from the calculation. However, the incremental component of the FCC has been updated to include not only projects in the 2013-2017 CIP, but also projects included in the recently adopted IWRMP and Wastewater Facilities Master Plan (WWFMP). These longer-term costs are included in the FCC in order to begin collecting revenue to pay for these future facilities, however the corresponding future EDUs that are anticipated to benefit by these facilities are also included in the denominator of the calculation.

Elimination of Avoided Wastewater Cost and Recycled Water Credit

The avoided wastewater cost added a share of the recycled water program's capital cost to wastewater FCC, and gave a corresponding credit to the recycled water FCC, since without the recycling program, this cost would have been incurred by the wastewater system to dispose of treated effluent. Staff is proposing to eliminate these factors from the 2013 FCCs.

For background, the 2002 Recycled Water Master Plan (RWMP) assumed that wastewater permit requirements would continue to become more stringent and necessitate the construction of costly facilities (effluent cooling, ultra filtration and reverse osmosis) at the Deer Creek and El Dorado Hills WWTPs. An objective of the 2002 RWMP was to evaluate and compare the economics of continued effluent disposal with more stringent effluent discharge requirements in the future versus eliminating all discharge and capturing all effluent with a seasonal storage reservoir. The 2002 RWMP economic evaluation demonstrated that beneficial reuse (recycling) was less expensive than continued surface water discharge due to the high cost of ultra filtration and reverse osmosis to ensure compliance with metals and salinity limits that could be imposed in future permits.

However, since the completion of the RWMP, the District was successful with a Basin Plan Amendment for the Deer Creek permit and water-effect ratios for metal effluent limits at both wastewater plants. As a result of the District's regulatory efforts and changes in potential discharge requirements, the District reexamined the economic evaluation of the seasonal storage project in 2009 and determined that future wastewater treatment improvements for surface water discharge and beneficial reuse were anticipated to be essentially equal along with their implementation costs. Therefore, anticipated future wastewater treatment plant improvement

costs alone do not justify the selection of beneficial reuse. Instead, the decision to continue to expand the recycled water program should be based on water supply with an economic comparison that considers the implications to the raw and potable water systems. Consequently, the concept of avoiding a large wastewater discharge cost by capturing all effluent in a seasonal storage reservoir is no longer valid. Therefore, the avoided wastewater cost component for the wastewater FCC has been eliminated, as well as the corresponding avoided wastewater cost credit for the recycled water FCC.

Dual-Plumbed Water FCC

The 2013 FCC update also revises the methodology used to calculate the dual-plumbed connection charge to reflect new information on potable water usage of dual-plumbed homes, and also factors in potable water supplementation requirements in lieu of seasonal storage construction.

The existing dual-plumbed water FCC is comprised of *33% of the Water Buy-In + 33% of Water Supply + 51% of Future Water CIP*. The calculation was based on the assumption that a dual-plumbed home used approximately 33% of the annual water supply compared to a full potable home. However, the calculation did not reflect that recycled water supply is not sufficient to meet recycled water demand, and the District must use potable water to supplement the recycled water system, both on an annual supply basis and during peak summertime demands. When factoring in potable water supplementation, recent data shows that a dual-plumbed home uses approximately 40% of the annual water supply compared to a full potable home. Also, since the water system must provide capacity to supplement during peak demands, the recycled water FCC allocation for the Water Buy-in and Future Water CIP components have increased. The proposed updated dual-plumbed water FCC is comprised of *81% of the Water Buy-In + 40% of Water Supply + 68% of Future Water CIP*.

With these new data the District is also proposing to revise the dual-plumbed home credit from a 2:1 ratio to a 2.5:1 ratio (i.e. developers may build 2.5 dual-plumbed homes for 1 EDU) based on the reduction in potable water supply (40%) for a dual-plumbed home. See Appendix A for further explanation.

Updated FCC schedule

The results of the updated work are summarized in the following series of tables, with attention to the proposed 2013 FCCs and the differences in those charges from the current schedule adopted by the Board in 2008. The tables are arranged to show the District-wide FCCs by former service region for comparisons, to reflect the primary method applied to derive the charges, and to indicate the primary components included in the calculations.

Table 1: Potable water FCC comparison

Area	2008 FCC	2013 FCC District-wide
El Dorado Hills (1)		
Buy-in for treatment, transmission and storage	\$ 4,400	\$ 3,208
New water supply projects	3,390	3,187
Water CIP projects	7,961	11,183
Total	\$ 15,751	\$ 17,578
Cameron Park (1)		
Buy-in for treatment, transmission and storage	\$ 4,400	\$ 3,208
New water supply projects	3,390	3,187
Water CIP projects	7,961	11,183
Total	\$ 15,751	\$ 17,578
General District		
Buy-in for treatment, transmission and storage	\$ 5,604	\$ 3,208
New water supply projects	2,646	3,187
Water CIP projects	8,055	11,183
Total	\$ 16,305	\$ 17,578

(1) For 2013 FCC is the same District-wide

Table 2: Dual-plumbed water FCC comparison

Area	2008 FCC (1)	2013 FCC District-wide
El Dorado Hills (2)		
Buy-in for treatment, transmission and storage	\$ 1,577	\$ 2,598
New water supply projects	1,119	1,275
Water CIP projects	4,298	7,598
Total	\$ 6,994	\$ 11,471
Cameron Park (2)		
Buy-in for treatment, transmission and storage	\$ 1,577	\$ 2,598
New water supply projects	1,119	1,275
Water CIP projects	4,298	7,598
Total	\$ 6,994	\$ 11,471
General District		
Total	n/a	n/a

(1) 2008 dual-plumbed water connection charge = 33% of the potable water buy-in component + 33% of the potable water supply component + 51% of the future potable water CIP component + 100% of the recycled water FCC

(2) 2013 District-wide dual-plumbed water connection charge = 81% of the potable water buy-in component + 40% of the potable water supply component + 68% of the future potable water CIP component + 100% of the recycled water FCC (Table 4)

Table 3: Wastewater FCC comparison

Area	2008 FCC	2013 FCC District-wide
El Dorado Hills		
Buy-in for treatment/collection	\$ 4,967	\$ 6,020
Avoided wastewater cost	1,538	
Wastewater CIP projects	6,936	6,842
Total	\$ 13,441	\$12,862
Cameron Park		
Buy-in for treatment/collection	\$ 7,425	\$ 6,020
Avoided wastewater cost	1,538	
Wastewater CIP projects	486	6,842
Total	\$ 9,449	\$12,862
Motherlode		
Buy-in for treatment/collection	\$ 10,114	\$ 6,020
Avoided wastewater cost	1,538	
Wastewater CIP projects	1,751	6,842
Total	\$ 13,403	\$12,862
Satellites		
Buy-in for treatment/collection	\$ 9,120	\$ 6,020
Wastewater CIP projects	777	6,842
Total	\$ 9,897	\$12,862

Table 4: Recycled Water FCC comparison

Area	2008 FCC	2013 FCC District-wide
El Dorado Hills		
Total cost attribution component	\$ 9,223	\$ 3,046
Avoided wastewater cost credit	(4,670)	0
Total	\$ 4,553	\$ 3,046
Deer Creek		
Total cost attribution component	\$ 9,223	\$ 3,046
Avoided wastewater cost credit	(4,670)	0
Total	\$ 4,553	\$ 3,046

Table 5: Summary of 2013 proposed FCCs

FCC	Component	2013 FCC	2013 FCC
		District-wide Potable	District-wide Dual-Plumbed
WATER	1). Buy-in for Existing Treatment, Trans, Storage & Gen. Facilities <i>Fixed Assets</i> <i>Existing + Future EDUs</i>	\$3,208	\$2,598
	2). Water Supply <i>Water Supply Cost</i> <i>Water Supply Capacity</i>	3,187	1,275
	3). Future Water CIP <i>Other Water CIP Funded by FCCs</i> <i>Future EDUs</i>	11,183	7,598
	Total Water FCC	\$17,578	\$11,471
		District-wide	District-wide
WASTEWATER	1). Buy-in for Collection, Pumping & Treatment <i>Fixed Assets</i> <i>Existing + Future EDUs</i>	\$6,020	\$6,020
	2). Avoided Wastewater Cost From Recycling <i>Avoided Cost</i> <i>Existing + Future EDUs</i>	0	0
	3). Future Wastewater CIP <i>Wastewater CIP Funded by FCCs</i> <i>Future EDUs</i>	6,842	6,842
	Total Wastewater FCC	\$12,862	\$12,862
		District-wide	District-wide
RECYCLED WATER	1). Recycling Fixed Assets + Future CIP <i>Total Cost of Recycling</i> <i>Existing + Future EDUs</i>	\$ 3,046	\$ 3,046
	2). Avoided Wastewater Cost Credit to Recycling <i>Avoided Costs Shifted to Wastewater</i> <i>Existing + Future EDUs</i>	0	0
	Total Recycled Water FCC	\$ 3,046	\$ 3,046
TOTAL PER EDU	Potable Water Connection	\$30,440	
	Dual-Plumbed Water Connection (1)		\$27,379

(1) Dual-Plumbed Water FCC Calculation = (81% of Potable Buy-in Component + 40% of Potable Water Supply Component + 68% of Potable Future Capital Projects Component) + 100% of Recycled Water FCC + 100% of Wastewater FCC

Comparing the District's proposed ¾" water FCC to other entities within the region, the District's FCC is comparable to other foothill-situated water utilities. Connection charges are lower in jurisdictions with flatter terrain and higher customer densities.

EID-2013 proposed potable water FCC	\$17,578
Placer County Water Agency	24,666
Nevada Irrigation District	16,362
Amador Water Agency	17,410
City of Roseville	6,175
City of Folsom	2,629

Supplemental charges:

In addition to the proposed FCCs discussed above, a total of \$788 in environmental and regulatory supplemental charges are currently collected with the water FCC payment but are not specifically a part of the water supply and buy-in FCC components.

In February 2003, the Board indefinitely continued the Gabbro soils surcharge at \$345 per equivalent dwelling unit (EDU) for the repayment of past District expenditures to acquire and preserve gabbro soils rare plant habitat and to provide funding for anticipated future preserve purchases and other environmental mandates imposed in connection with the acquisition of new water supplies.

At the October 15, 2001 Board of Directors Public Hearing, the Board adopted a water facility connection surcharge for the first two phases of the District’s reservoir Line and Cover Program. The Line and Cover Phase II Program surcharge serves the same purpose as did the first phase and is to remain in effect until November 1, 2021. The Line and Cover Phase III Program surcharge serves the same purpose for the third phase of the project and is to remain in effect until April 1, 2028.

The surcharges are shown in Table 7 below; at this time staff recommends no changes:

Table 6: Supplemental Charges

Gabbro soils	\$ 345 per EDU
Reservoir line and cover II	\$ 118 per EDU
Reservoir line and cover III	\$ 325 per EDU

Conclusion

The proposed 2013 FCC update uses the methodology of the 2008 FCC model developed by the District’s financial advisor at that time, Bartle Wells, and the community committee, but makes limited modifications and revisions to reflect current conditions. The result is an up-to-date calculated set of FCCs for new or expanded water, wastewater, and recycled water services. The 2008 FCC model was originally developed with the specific intent to allow for simplified updates based on standard reports developed by the District. Such reports include: the five-year capital improvement program, fixed assets report, master plans, and annual Water Resources and Service Reliability Report. With the completion of the 2013 water and wastewater master plans the FCC update was then able to be completed.

As stated above, the purpose of an FCC evaluation is to fund facilities that support future customers while protecting the District’s existing customers from the cost impacts resulting from the addition of new customers. The proposed 2013 FCCs fully cover the facility costs needed to provide service to new customers. Anything short of the proposed levels would adversely affect existing customers through increased rates.

Effective Date

There currently are several proposed developments in the plan check process with the District. Developers are not able to purchase FCCs until they have approved plans, have bonded for the required improvements, deposited fees for inspection, and signed the extension of facilities agreement. Instead of making the revised FCCs effective immediately upon adoption, staff is proposing to provide a reasonable period of time to allow projects currently in the queue to purchase FCCs under the current rate schedule if they so choose. It is assumed that these projects made the decision to proceed based on the current fees in place, and it is not unusual within the utility industry to adopt a transition period before new or increased charges go into effect. Therefore, the updated FCC schedule is proposed to become effective October 1, 2013.

Annual Adjustment

Beginning in 2014, each Facility Capacity Charge shall be automatically adjusted annually on October 1, in an amount equal to the percentage change during the prior twelve months in the 20-city national average Construction Cost Index published by the Engineering News-Record.

Board Decision/Options:

Option 1: Adopt a resolution for the adoption of the Update to the District's Facility Capacity Charges (FCCs).

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

Option 3: Take no action.

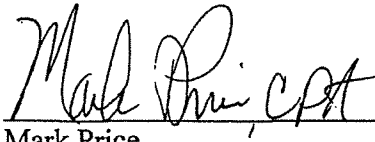
Staff/General Manager's Recommendation:

Option 1

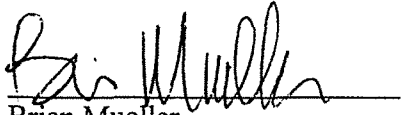
Support Documents Attached:

Appendix A – Facility Capacity Charges Methodology and Schedule: An Update to the 2008 Facilities Capacity Charges

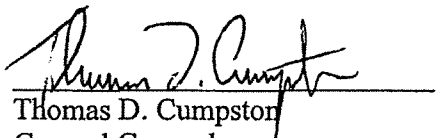
Appendix B – Proposed resolution



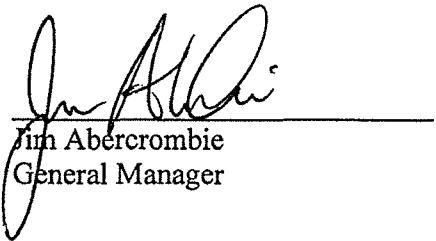
Mark Price
Director of Finance



Brian Mueller
Director of Engineering



Thomas D. Cumpston
General Counsel



Jim Abercrombie
General Manager

APPENDIX A

**Facility Capacity Charges Methodology and Schedule: An Update to
the 2008 Facility Capacity Charges**

Introduction

The District periodically reviews its FCCs to ensure that they accurately reflect the costs of providing service to new customers.

In California, the basic statutory standards governing water, wastewater and recycled water FCCs (connection fees) are embodied in Government Code Sections 66013, 66016, and 66022. Section 66013 indicates that any connection fee must be based on an estimate of the reasonable cost of providing service to new customers and sets the procedures for adopting that fee. Information in this appendix is provided as the basis for meeting these statutory standards

Information Used as the Basis for the 2013 FCC Update

The following reports and key information were used as a basis for the FCC calculations.

- 2008 Facility Capacity Charge Study
- Fixed Assets list as of December 31, 2011: The fixed assets were reviewed by staff and allocated among water, wastewater and recycled water systems and individual FCC service regions. Assets that do not provide general benefit to District customers were excluded.
- 2013-2017 Capital Improvement Plan (CIP): Each CIP project was reviewed by staff and costs were allocated to new growth (FCCs) and existing customers (rates).
- 2013 Integrated Water Resources Master Plan (IWRMP) and Wastewater Facility Master Plan (WWFMP): These plans were used for developing existing connections and growth projections, and identify additional infrastructure and capital costs necessary for expansion.
- 2012 Water Resources and Service Reliability Report: Basis for determining number of existing water customers in equivalent dwelling units (EDUs), available water supply, and unit demand projections for potable and dual-plumbed single family residential units.
- Various analyses by District staff and HDR:
 - Future water EDUs
 - Future wastewater EDUs
 - Future recycled water EDUs
 - Dual-plumbed home potable water/recycled water FCC

Summary of the FCC Methodologies Used for the 2013 FCC Update

The objective of this study is to ensure that the District is recovering sufficient revenue from new connections. The 2013 study updates the information and methodologies used in the 2008 study while incorporating the District's current needs. See Table 1 below for a detailed comparison of the methodologies used in the 2008 study and the proposed 2013 FCC study.

The District's capacity charges are calculated using three standard methods – buy-in, incremental cost, and total cost attribution. These are standard methodologies that are used throughout the utility industry and are discussed in a number of publications regarding the development of capacity charges. A basic publication for the water and wastewater industry regarding capacity fees is the American Water Works Association's Manual M1, Principles of Water Rates, Fees, and Charges. Other publications that cover capacity charges include George A. Raftelis, Comprehensive Guide to Water and Wastewater Finance and Pricing, and Arthur C. Nelson, System Development Charges for Water, Wastewater, and Stormwater Facilities. The relevant portions of the foregoing publications are incorporated herein by reference.

■ **Buy-in Method**

The buy-in methodology was used in the previous FCC studies in 2003, 2005 and 2008. The system buy-in concept is based on the premise that new customers benefit from the prior investment in system facilities made by existing customers. Existing customers' investment in the system was through their payment of FCCs, rates and charges, and property taxes over the years which were used to purchase and maintain the system assets. New customers share in the cost of past investments in District facilities which benefit new users. The buy-in portion pays for future capital replacement costs, including improvement and replacement projects to preserve the existing system (not day-to-day operating costs). In turn, the District does not charge ratepayers for these projects.

■ **Incremental Cost Method**

This method is based on the premise that new connections to the water and wastewater systems should be responsible for those costs related to the next increment of system capacity required to serve them. The goal of this method is to minimize or eliminate the need to raise rates in order to provide for system expansion. Consequently, new customers pay fully for the additional facilities without imposing a burden on existing customers.

■ **Total Cost Attribution Method**

An alternative methodology that blends the system buy-in and the incremental facilities approaches is also commonly used. The total cost attribution method considers both the replacement of existing facilities and planned expansion in the cost basis. As discussed in the literature, this blended approach tends to take the form of a buy-in, i.e., existing assets that will serve new customers, combined with the allocation of growth assets approach, in which specific facilities used to accommodate growth are included in the connection fee on an incremental basis. This method is used when significant infrastructure is already in place, but considerably more infrastructure is required.

Table 1: Methodology Comparison

FCC	2008 Methodology	2008 Service Zones	2013 Methodology	2013 Service Region
WATER	<p>1). Buy-in for Treatment, Transmission & Storage <i>Fixed Assets</i> <i>Existing + Future EDUs</i></p> <p>2). Total Cost Attribution for Water Supply <i>Water Supply CIP Cost + Fixed Assets</i> <i>Water Supply Total Capacity</i></p> <p>3). Incremental Cost of Water CIP <i>Other Water CIP Funded by FCCs</i> <i>Future EDUs</i></p>	<p>2 zones - EDH/Cameron Park and General District</p> <p>2 zones - EDH/Cameron Park and General District</p> <p>2 zones - EDH/Cameron Park and General District</p>	<p>1). Buy-in for Treatment, Transmission & Storage <i>Fixed Assets (net)</i> <i>Existing + Future EDUs</i></p> <p>2). Total Cost Attribution for Water Supply <i>Water Supply CIP Cost + Fixed Assets</i> <i>Water Supply Total Capacity</i></p> <p>3). Incremental Cost of Water CIP <i>Other Water CIP Funded by FCCs</i> <i>Future EDUs</i></p>	Uniform throughout District
WASTEWATER	<p>1). Buy-in for Collection, Pumping & Treatment <i>Fixed Assets</i> <i>Existing + Future EDUs</i></p> <p>2). Avoided Wastewater Cost <i>Avoided Cost</i> <i>Existing + Future EDUs</i></p> <p>3). Incremental Cost of Wastewater CIP <i>Wastewater CIP Funded by FCCs</i> <i>Future EDUs</i></p>	<p>4 zones - EDH, CP, Motherlode, Satellites</p> <p>Uniform throughout District</p> <p>4 zones - EDH, CP, Motherlode, Satellites</p>	<p>1). Buy-in for Collection, Pumping & Treatment <i>Fixed Asset (net)s</i> <i>Existing + Future EDUs</i></p> <p>2). Incremental Cost of Wastewater CIP <i>Wastewater CIP Funded by FCCs</i> <i>Future EDUs</i></p>	Uniform throughout District
RECYCLED WATER	<p>1). Total Cost Attribution <i>Recycling Water Fixed Assets + CIP</i> <i>Existing + Future EDUs</i></p> <p>2). Avoided Wastewater Cost Credit <i>Avoided Costs Shifted to Wastewater</i> <i>Existing + Future EDUs</i></p>	<p>Uniform throughout District</p> <p>Uniform throughout District</p>	<p>1). Total Cost Attribution <i>Recycling Water Fixed Assets (net) + CIP</i> <i>Existing + Future EDUs</i></p>	Uniform throughout District

Development of the Proposed 2013 FCC Recommendations

District staff reviewed the assumptions underlying the current FCCs and developed a draft of the updated FCCs for Board consideration. The FCC methodology follows the model that was established in 2008, with some exceptions noted below.

Proposed recommendations for water FCCs:

- The District currently has two water FCC regions: El Dorado Hills/Cameron Park and General District. The current El Dorado Hills/Cameron Park region was developed in the 2008 study because of planned infrastructure projects at that time, which would have increased the ability to pump water from Folsom Reservoir into the Cameron Park area. The newly adopted IWRMP now recommends diverting new water supplies at the White Rock penstock, creating a new water treatment plant east of Cameron Park, and eliminating the pumping costs needed to move additional water supplies from Folsom Reservoir. The District's water system is one connected, integrated system. Therefore, in this 2013 Water FCC update, and consistent with the Cost of Service Study, the District is proposing to develop one District-wide FCC.
- The 2005 water buy-in component was calculated using the replacement cost less depreciation method to determine the value of existing infrastructure and was divided by existing EDUs. The 2008 study used the replacement cost method, and fixed assets and other valuations were divided by both existing and future EDUs. The 2013 update calculates the buy-in component using *replacement cost less depreciation method*, divided by both existing and future EDUs.
- The 2008 water FCC removed all waterlines less than 6-inches in diameter that do not provide a general benefit, but 6-inch waterlines remained in the buy-in component. For the 2013 FCC, all lines 6-inches in diameter and smaller were removed, which represents about 33% of the water system.
- The water supply component of the FCC spreads the cost of Permit 21112 water across the District based on average unit demand factors.
- The 2013-2017 CIP and the recently adopted IWRMP were used to incorporate future capital projects related to expansion for the incremental cost component. Projects included in the water FCC include the proposed White Rock diversion, raw water pipeline, new 10 MGD water treatment plant at Bray Reservoir, and new water transmission pipelines.

Proposed recommendations for dual-plumbed water FCCs:

- The seasonal storage facility was evaluated in the master plans and determined not to be cost effective to pursue. Therefore, potable supplementation of the recycled water system will need to continue in the near future and potentially increase in magnitude for an extended duration as additional recycled water connections occur. Potable supplementation is necessary to assist the recycled water system in meeting both annual supply needs and peak demands. Therefore existing and future water infrastructure must provide capacity to deliver potable water to supplement the recycled water system during peak demand.
- Based upon this direction, the proposed potable water portion of the dual-plumbed FCC is comprised of the following allocations and differs from the assumptions from the 2008 study:

- 81% of the potable water *buy-in component* + 40% of the potable water *supply cost component* + 68% of the potable water *future capital projects component*.
The methodology for these allocations is discussed in detail starting on Page 13.

Proposed recommendations for wastewater FCCs

- The 2005 wastewater buy-in component was calculated using the replacement cost less depreciation method to determine the value of existing infrastructure and was divided by existing EDUs. The 2008 study used the replacement cost method, and fixed assets and other valuations were divided by both existing and future EDUs. The 2013 update calculates the buy-in component using *replacement cost less depreciation method*, divided by both existing and future EDUs.
- The 2013-2017 CIP and the recently adopted WWFMP were used to incorporate future capital projects related to expansion for the incremental cost component. Projects included in the wastewater FCC include the future expansions of the El Dorado Hills and Deer Creek wastewater treatment plants, and upgrades and expansion of the wastewater collection systems.
- The avoided wastewater cost added a share of the recycled water program's capital cost to the wastewater FCC since without the recycling program, this cost would have been incurred by the wastewater system to dispose of treated effluent. There was also a corresponding credit to the recycled water FCC for the avoided wastewater costs that were shifted to the wastewater FCC. Staff is proposing to eliminate the wastewater avoided cost component for recycling for the 2013 study.

For background, the 2002 Recycled Water Master Plan (RWMP) assumed that wastewater permit requirements would continue to become more stringent and necessitate the construction of costly facilities (effluent cooling, ultra filtration and reverse osmosis) at the Deer Creek and El Dorado Hills WWTPs. An objective of the 2002 RWMP was to evaluate and compare the economics of continued effluent disposal with more stringent effluent discharge requirements in the future versus eliminating all discharge and capturing all effluent with a seasonal storage reservoir. The 2002 RWMP economic evaluation demonstrated that beneficial reuse (recycling) was less expensive than continued surface water discharge due to the high cost of ultra filtration and reverse osmosis to ensure compliance with metals and salinity limits that could be imposed in future permits.

However, since the completion of the RWMP, the District was successful with a Basin Plan Amendment for the Deer Creek permit and water-effect ratios for metal effluent limits at both wastewater plants. As a result of the District's regulatory efforts and changes in potential discharge requirements, the District reexamined the economic evaluation of the seasonal storage project in 2009 and determined that future wastewater treatment improvements for surface water discharge and beneficial reuse were anticipated to be essentially equal along with their implementation costs. Therefore, anticipated future wastewater treatment plant improvement costs alone do not justify the selection of beneficial reuse. Instead, the decision to continue to expand the recycled water program should be based on water supply with an economic comparison that considers the implications to the raw and potable water systems. Consequently, the concept of avoiding a large wastewater discharge cost by capturing all effluent in a seasonal storage reservoir

is no longer valid. Consequently, the avoided wastewater cost component for the wastewater FCC has been eliminated, as well as the corresponding avoided wastewater cost credit for the recycled water FCC.

Proposed recommendations for recycled water FCCs

- The previous recycled water FCC included the estimated cost for constructing seasonal storage. Based upon the results of the master plans, this cost has been eliminated from the recycled water FCC. Instead, the potable water FCC for dual-plumbed homes reflects the need to continue potable supplementation on an annual supply and peak demand basis.
- The 2008 avoided wastewater cost credit is eliminated for the 2013 FCC update as discussed above.
- The recycled water FCC is based on the 5-year average recycled water use by a dual-plumbed home of 0.42 acre-feet per EDU.

Proposed Water, Wastewater, Recycled Water and Dual-Plumbed FCCs by Component

Proposed Water FCC

The proposed 2013 water FCC is comprised of three components:

- 1) Buy-in to existing water treatment, transmission, storage and general facilities,
- 2) A water supply component based on the cost of Project 184 water supply, and
- 3) The expansion-related water system capital improvement projects.

Current and Future Water Customers: The current and projected future number of EDUs in the District are summarized below. The current water EDUs are based on the District's annual Water Resources and Service Reliability Report. The projected future water EDUs are based on projections from the District's IWRMP and include a combination of remaining available EDUs and new EDUs made available with the projected 10 MGD new water treatment plant described in the plan.

Table 2: Water – Existing and Future EDUs

Region	Existing EDUs (1)	% of All Zones	Future Growth EDUs (2)	% of All Zones	Total Existing & Future EDUs
Water EDUs					
El Dorado Hills	11,627	18%	8,336	54%	19,963
Western/Eastern	<u>51,994</u>	<u>82%</u>	<u>7,185</u>	<u>46%</u>	<u>59,179</u>
Total	63,621	100%	15,521	100%	79,142

(1) Source: 2012 Water Resources and Service Reliability Report .
 (2) Estimates based on existing excess capacity plus new 10 MGD WTP from Integrated Water Resources Master Plan.

Buy-in Component for Treatment, Transmission and Storage

The buy-in method reflects the book value of the investment made in the water system escalated to current dollars using the ENR Construction Cost Index. This standard approach does not distinguish between existing and remaining capacity because, without these existing facilities, new development could not connect to the water system.

The buy-in charge is calculated as follows:

- 1) Determine the current value of fixed assets (using replacement cost method less depreciation)
- 2) Add work-in-progress
- 3) Add cash reserves (less outstanding principal on debt)
- 4) Add the present value of past debt issuance costs
- 5) Subtract credit for property taxes
- 6) Divide by the number of existing plus future EDUs

$$\text{Buy-in Water FCC} = \frac{\text{Fixed Assets (net)} + \text{Adjustments to Water System Valuation}}{\text{Existing} + \text{Future EDUs}}$$

There are a number of approaches to determining the value of existing facilities:

- A) Historical cost – This method is simply the amount actually paid to construct the existing infrastructure.
- B) Historical Cost Less Depreciation – Depreciation takes into account that the usefulness of an asset declines over time. This approach subtracts depreciation from the historical cost based on each asset’s age and service life.
- C) Replacement Cost – Due to the time value of money, historical costs do not reflect today’s value of past construction costs. Therefore, to reflect the current value of assets, this method escalates historical costs to today’s dollars using the ENR Construction Cost Index. This approach typically yields the highest value for utility system fixed assets.
- D) Replacement Cost Less Depreciation – This approach is a combination of the other methods and subtracts depreciation from the historical cost to derive a book value. The book value is then escalated to current dollars using the ENR Construction Cost Index.

The District is proposing to use the *replacement cost less depreciation* method and divide by total EDUs (existing and future) to determine the value of the buy-in component.

Water Supply Component (Project 184)

The water supply component represents the contribution made for new water supplies, including Project 184 and other water projects that benefit new development. The entire District benefits from this new supply. Project 184 provides new water supply for some service zones while offsetting other water sources that are used in other areas. Therefore, the entire District shares the cost of obtaining new water supplies.

The 2013 FCC (like the 2008 FCC) is determined using the total cost attribution method. First, water supply capital projects and hydroelectric fixed assets are divided by the water supply yield to derive a water supply cost per acre-foot. The water supply FCC is then calculated by multiplying the water supply cost per acre-foot by the District average unit water demand (AF/EDU).

$$\text{Water Supply Cost per AF} = \frac{\text{Hydroelectric and Water Supply CIP} + \text{Hydroelectric Fixed Assets}}{\text{Water Supply Yield}}$$

$$\text{Water Supply FCC} = \text{Water Supply Cost} * \text{AF/EDU Demand}$$

Hydroelectric and Water Supply CIP and Fixed Assets: The District’s 2013-2017 CIP identifies replacement and rehabilitation projects for the series of canals, flumes and reservoirs that make up the Project 184 water supply system. Since the 2008 study, the District has completed several projects, and added new projects to the hydroelectric CIP. Project costs have been modified to reflect the current market. Additionally, the total cost attribution approach includes a fixed asset portion. To avoid double counting, hydroelectric and Project 184 fixed assets are only included in the water supply component and are not included in the buy-in component. Project costs are then divided by the new water supply component of Project 184 (17,000 acre-feet) to derive a water supply cost.

Per EDU Water Demand: Water demand used in this update is based on the 2012 Water Resources and Service Reliability Report. For the El Dorado Hills region, single-family residential potable demand is 0.77 acre-feet per EDU. For the Western/Eastern region, single-family residential potable demand is 0.54 acre-feet per EDU. The combined District average

unit water demand is 0.58 acre-feet per EDU. The District uses a fixed 13 percent loss rate applied to infrastructure and supply yields. With the 13 percent loss rate, total unit demand is 0.66 acre-feet per EDU.

Table 3: Water Demand per EDU

Service Region	Metered Demand AF/EDU (1)	Total Demand + 13% for Losses & Unmetered Use
El Dorado Hills Region Full Potable EDU	0.77	0.87
Western/Eastern Region Full Potable EDU	0.54	0.61
District-Wide Average (All Zones)	0.58	0.66
(1) Source: 2012 Water Resources and Service Reliability Report		

Future Water System Capital Projects Component

The future capital projects component represents the investment needed in the water system to provide additional capacity for new users. The 2013 FCC includes the water system projects in the District’s 2013-2017 CIP and capital expenditures anticipated through approximately 2025 identified in the 2013 IWRMP. Staff allocated all project costs between FCCs and rates. The incremental portion of the water FCC is calculated as follows:

$$\text{Future Capital Projects Component} = \frac{\text{Water System Capital Improvement Projects}}{\text{Future EDUs}}$$

Water System Capital Improvement Projects:

Future water capital projects for the District total \$173,572,500.

Table 4
Summary of Proposed Water FCC

FCC Components	District-wide
BUY-IN COMPONENT	
Existing Treatment, Transmission and Storage	
Fixed Assets & Valuation	\$ 253,853,347
Total EDUs (existing plus future)	79,143
Buy in / EDU	\$ 3,208
WATER SUPPLY COMPONENT	
Water Supply Projects & Hydroelectric Fixed Assets	\$ 82,372,816
Water Supply AF	17,000
Water Supply Cost per AF	\$ 4,845
Demand AF/EDU	0.66
Water Supply Component / EDU	\$ 3,187
FUTURE CAPITAL PROJECTS COMPONENT	
Water CIP funded by FCCs	\$ 173,572,500
Future EDUs	15,522
Future Capital Projects Component / EDU	\$ 11,183
TOTAL WATER FCC	\$ 17,578

Proposed Wastewater FCC

The proposed 2013 wastewater FCC update is comprised of two components:

- 1) Buy-in to existing wastewater disposal, pumping, treatment and general facilities; and
- 2) Expansion-related wastewater system capital improvement projects.

The 2008 FCC study included a third component of the FCC which was the "Avoided wastewater cost component for recycled water facilities" which was eliminated from the 2013 methodology as explained earlier on Page 5.

Current and Future Wastewater Customers: The current and projected future number of wastewater EDUs in each service area is summarized below. The current EDUs were calculated based on current Average Dry Weather Flow at each plant and the District standard of 240 gpd per EDU. The projected future EDUs for the service areas are based on existing excess capacity

and the estimated future capacity expansions of the El Dorado Hills and Deer Creek wastewater treatment plants identified in the WWFMP.

Table 5: Wastewater – Existing and Future EDUs

Area	Existing EDUs (1)	% of All Zones	Future EDUs (2)	% of All Zones	Total Existing & Future EDUs
Wastewater EDUs					
El Dorado Hills	10,643	48%	12,167	55%	22,810
Deer Creek	11,451	52%	9,933	45%	21,384
Total	22,094	100%	22,100	100%	44,194

(1) Source: 2013 Wastewater Facility Master Plan.
(2) Future wastewater EDUs based on existing excess capacity plus future expansion.

Buy-in Component for Collection, Pumping and Treatment:

The 2013 FCC is calculated using the present value of the investment made in the wastewater system based on the cost of the existing facilities. This approach does not distinguish between existing and remaining capacity because without these existing facilities, new development could not connect to the wastewater system.

The wastewater facilities buy-in charge is calculated as follows:

- 1) Determine the current value of fixed assets (using the replacement cost method less depreciation)
- 2) Add work-in-progress
- 3) Add cash reserves (less outstanding principal on debt)
- 4) Add the present value of past debt issuance costs
- 5) Subtract credit for property taxes
- 6) Divide by the number of existing plus future EDUs

$$\text{Buy-in Wastewater FCC} = \frac{\text{Fixed Assets (net)} + \text{Adjustments to Wastewater System Valuation}}{\text{Existing} + \text{Future EDUs}}$$

Incremental Cost Method for Wastewater System Capital Improvement Projects

The incremental cost method reflects the investment in the wastewater system to provide additional capacity for new users. The 2013 update incorporates wastewater projects in the District’s 2013-2017 capital improvement program related to new growth and capital expenditures identified in the 2013 WWFMP. The charge is derived by dividing total project costs by the number of estimated future EDUs.

$$\text{Future CIP Wastewater FCC} = \frac{\text{Wastewater System Capital Improvement Projects}}{\text{Future EDUs}}$$

Wastewater System Capital Improvement Projects: In the 2013 FCC update, capital projects related to growth total \$151,211,800. The largest projects are the El Dorado Hills Wastewater Treatment Plant expansion to 5.45 MGD, and the Deer Creek Wastewater Treatment Plant expansion to 5.0 MGD.

Table 6: Summary of Proposed Wastewater FCC

FCC Components	District-wide
BUY-IN COMPONENT	
Existing Subsurface Lines, Treatment & Plant	
Fixed assets and Valuation	\$ 266,060,381
Total EDUs (existing plus future)	44,194
Buy in / EDU	\$ 6,020
FUTURE CAPITAL PROJECTS COMPONENT	
Other Wastewater CIP funded by FCCs	151,211,800
Future EDUs	22,100
Incremental cost / EDU	\$ 6,842
TOTAL WASTEWATER FCC	\$ 12,862

Recycled Water FCC

The 2013 recycled water FCC is only comprised of a single component:

- 1) Recycled water fixed assets and capital improvement projects.

As previously discussed on Page 5, the avoided wastewater cost credit calculated for the 2008 FCC study has been eliminated.

For 2013, like the 2008 study, the recycled water FCC will be charged to dual-plumbed homes and other recycled water connections in El Dorado Hills and Cameron Park.

Recycled Water EDUs: The number of existing recycled water EDUs is based on the latest consumption data for recycled water services, including dual-plumbed homes, totaling 6,029 EDUs. Projected demand is based on normal year usage projections. Demand is multiplied by an EDU factor of 0.42 acre-feet per EDU to derive estimated equivalent residential connections. With the elimination of seasonal storage reservoir from the District’s capital planning, future expansion of the recycled water system is unknown at this time. Staff included known developments on the horizon that are likely to have dual-plumbed recycled water services, including Valley View, Serrano, Carson Creek and Central El Dorado Hills Specific Plan. With this assumption, the number of future EDUs for these developments totals 3,709. Total existing and future EDUs are approximately 9,738. Additional future development beyond these assumptions will be evaluated on a case-by-case basis with respect to infrastructure requirements like seasonal storage, or continuing with potable water supplementation, and the FCC revised accordingly.

Table 7: Recycled Water – Existing and Future EDUs

Area	Existing EDUs (1)	Future Growth EDUs	Total Existing & Future EDUs
Recycled Water EDUs			
Recycled Water System	6,029	3,709	9,738
(1) - Existing and future recycled water EDUs based on 5-year average historical usage of 0.42 AF/EDU.			

Recycled Fixed Assets and Capital Projects

The 2013 recycled water FCC uses the same total cost attribution method as the 2008 and 2005 studies. The total cost attribution approach represents the contribution invested for existing facilities (using the replacement cost method less depreciation) and the additional costs needed to expand the system. Recycled water capital projects and fixed assets are combined and divided by the existing and future EDUs.

$$\text{Recycled FCC} = \frac{\text{Recycled Water CIP} + \text{Fixed Assets (net)}}{\text{Existing \& Future EDUS}}$$

Recycled Water CIP + Recycled Water Fixed Assets: The 2013 study updates fixed assets and capital improvement projects for recycled water. The recycled water capital projects are based on the 2003-2017 CIP and the WWFMP, and totals \$3,898,000.

Table 8: Summary of Proposed Recycled Water FCC

FCC Components	El Dorado Hills / Deer Creek
TOTAL COST ATTRIBUTION COMPONENT	
Fixed Assets and Capital Costs	
Fixed assets	\$ 25,764,262
Capital Improvement Projects	3,898,000
Total Fixed Assets + CIP	\$ 29,662,262
Existing and Future EDUs	9,738
Total Cost Attribution / EDU	\$ 3,046
TOTAL RECYCLED WATER FCC	
	\$ 3,046

Water EDU Allocation for Dual-Plumbed Homes

For “Dual-Plumbed” homes in the El Dorado Hills and Cameron Park area, connected to both potable and recycled water supply, the District has historically allocated EDUs on a 2-to-1 ratio based on the original assumption that dual-plumbed homes would use approximately one-half the potable water requirement as a full potable home. The District re-evaluated this allocation as a part of this update. Based on the last five years of demand data, the per EDU demand for dual-plumbed homes in Zones 1 and 2 is 0.18 acre-feet per EDU. Adding the average annual potable

supplementation of 0.10 acre-feet per EDU, the total annual potable water requirement for dual-plumbed homes is 0.28 acre-feet per EDU. The corresponding full potable residential demand in Zones 1 and 2 is 0.72 acre-feet per EDU per year. Therefore, the demand ratio of dual-plumbed homes to full potable homes is 0.28/0.72, or 40%. This calculation results in an EDU allocation of 2.5-to-1 (i.e. 2.5 dual-plumbed homes = 1 EDU).

Table 9:

Calculation of Dual Plumbed EDU Ratio (2)										
	Zone 1 & 2 SFR "Full Potable"			Zone 1 & 2 SFR "Dual Plumbed"			Potable Supplementation (3)			Ratio with Supplementation
	AF	Services	Unit Demand	AF	Services	Unit Demand	AF	Services	Unit Demand	
2008	6569.4	7700	0.85	604.9	3347	0.18	327.7	3347	0.10	33%
2009	6286.7	7796	0.81	729.9	3396	0.21	392.8	3396	0.12	41%
2010	5222.4	8281	0.63	621.6	3693	0.17	264.8	3693	0.07	38%
2011	5073.0	8308	0.61	627.0	3736	0.17	216.0	3736	0.06	37%
2012	5715.0	8256	0.69	646.0	3870	0.17	596.0	3870	0.15	46%
			0.72			0.18			0.10	40%

(2) Source: 2008-2012 Annual Consumption Reports
 (3) Excludes Bass Lake supplementation. Bass Lake was previously supplemented as a backup supply, however the amount supplemented was not released for demand.

Because the District must continue to supplement the recycled water system both on an annual basis and during peak demands, this peak supplementation requirement is reflected in the water FCC for dual-plumbed homes both in the buy-in component and the incremental component to account for existing and future infrastructure capacity needs to provide potable supplementation during peak demand. However, the developer would also benefit by the ability to build 2.5 homes for each EDU, essentially increasing the number of connections within the available supply than would otherwise be available for full potable homes.

Water FCCs for Dual-Plumbed Connections

$$\text{Dual-Plumbed FCC} = (81\% \text{ of Water Buy-in} + 40\% \text{ of Water Supply} + 68\% \text{ of Future Water CIP}) + 100\% \text{ of Recycled Water FCC}$$

Water Buy-in Component: To determine what portion of the potable water buy-in component should be allocated to dual-plumbed connections, each of the fixed asset categories are designated either volume (annual supply) or peak demand/fire flow. The fixed assets that are volume-based are allocated 40 percent of the total assets. Fixed assets that are peak demand/fire flow-based are allocated 100 percent of total assets as follows:

- Land and land rights: 40%
- Source of supply: 40%
- Pumping: 40%
- Water treatment: 40%
- Water transmission and distribution: 100%

Based on these allocations, approximately 81 percent of the total potable water buy-in component is attributed to dual-plumbed connections.

Table 10: Dual-Plumbed Connection Buy-in Allocation

Asset Class	Potable FCC	Dual-Plumbed FCC		
	District-wide	Demand Requirement	%	Total Allocated to Dual-Plumbed
Land and Land Rights	\$ 3,501,947	volume	40%	\$ 1,400,779
Source of Supply	37,389,394	volume	40%	14,955,758
Pumping	2,616,392	volume	40%	1,046,557
Water Treatment	45,889,383	volume	40%	18,355,753
Water Facilities	507,275	volume	40%	202,910
Transmission and Distribution	194,312,830	Peak/fire flow	100%	194,312,830
Fixed Asset Totals (1)	284,217,221			\$ 230,274,587
				81%

(1) Fixed Assets dual-plumbed allocations based on volume, peak and fire flow demand requirements
 Volume demand = 40%
 Peak demand = 100 %
 Fire flow demand = 100%

Water Supply Component: For the water supply component, dual-plumbed connections are charged 40 percent of the water FCC in this category based on the annual potable water demand reduction (including supplementation) for a dual-plumbed home compared to the potable water demand of a full potable home.

Future Water CIP Component: For the 2013 FCC update, 68% of the future water CIP component is determined to be allocable to the dual-plumbed connections due to the potable water supplementation requirement during peak demand for similar facilities consistent with the buy-in calculation. Future pumping and treatment facilities are allocated 40%, while future transmission facilities are allocated 100%. The total future cost is estimated to be \$117,572,500.

Table 11: Summary of Proposed Dual-Plumbed Connection Water FCC

FCC Components	District-wide
BUY-IN COMPONENT	
Existing Treatment, Transmission and Storage	
Fixed Assets & Valuation	\$ 253,853,347
Buildout EDUs	79,143
Potable Connection -- Buy in / EDU	\$ 3,208
Dual-Plumbed Fixed Assets Allocation (1)	81%
Dual-Plumbed Connection -- Buy-in / EDU	\$ 2,598
WATER SUPPLY COMPONENT	
Water Supply Projects & Hydroelectric Fixed Assets	\$ 82,372,816
Water Supply AF	17,000
Water Supply Cost per AF	\$ 4,845
Demand AF/EDU	0.66
Potable Connection -- Water Supply / EDU	\$ 3,187
Dual-Plumbed Demand (2)	40%
Dual-Plumbed Connection -- Water Supply / EDU	\$ 1,275
FUTURE CAPITAL PROJECTS COMPONENT	
Water CIP funded by FCCs	\$ 173,572,500
Future EDUs	15,522
Potable Connection -- Future Capital Projects / EDU	\$ 11,183
Dual-Plumbed Water CIP Allocation (3)	68%
Dual-Plumbed Connection -- Future Capital Projects / EDU	\$ 7,598
TOTAL DUAL-PLUMBED WATER FCC	\$ 11,471

Note: The total dual-plumbed water FCC does not include the recycled water FCC

Facility Capacity Charges for Age-Restricted Communities

The District has had requests for discounted FCCs for age-restricted communities through the years as well as being raised in 2008 FCC Task Force committee meetings. The argument continues to be, on average, senior citizens place a lower burden on the utilities than the general public. Additional considerations regarding FCCs for age-restricted communities include:

Water System FCCs: Much of the water system is sized based on fire flow requirements which are no different for age-restricted housing. Sprinkler systems require very high flows regardless of age of occupants.

Wastewater System FCCs: Several studies have shown that age restricted developments have higher strength wastewater and require additional treatment as opposed to non-age restricted communities.

Finally, there is no guarantee that the age-restricted housing will not be converted to non age-restricted housing in the future. It would not be feasible to collect additional connection fees from the homeowners if the housing was converted.

The 2013 FCC update continues the 2008 FCC update recommendation: Any developer who has a substantial case for discounted FCCs for an age-restricted community would be able to bring it to the District Board of Directors for consideration on a case-by-case basis.

2013 Proposed FCCs Comparison to 2008 Adopted FCCs:

This study recommends implementation of a District-wide FCC instead of two separate FCCs for the El Dorado Hills and General District areas. There are overall modest increases in the proposed FCCs over the previous levels. The following describes in more detail the most significant changes for water, wastewater and recycled water.

Table 12: FCC Component Methodology Comparison

FCC Component	2008			2013		
	Buy-in	Incremental	Total Cost Attribution	Buy-in	Incremental	Total Cost Attribution
Water Supply			X			X
Water Treatment and Transmission	X			X		
Water CIP		X			X	
Wastewater Collection and Treatment	X			X		
Wastewater CIP		X			X	
Recycled Water			X			X

Water

The most significant change to the water FCC is subtracting depreciation from the replacement cost of fixed assets, removing 6-inch lines and smaller from the fixed assets, and including future projects in the IWRMP.

- Buy-in Component for Treatment, Transmission and Storage
In the 2013 update, the value of fixed assets is calculated using the *replacement cost less depreciation method*, and the net facilities value is divided by the number of existing and future EDUs to account for total capacity in the system.

For 2013, the buy-in component is \$3,208. This represents a decrease from the 2008 FCC buy-in charge.

- Water Supply Component (Project 184)

In the 2013 update, as was done in the 2008 FCC study, the FCC is calculated using the *total cost attribution method*.

The water supply component remained similar to that of the 2008 FCC.

- Future Water System Capital Projects Component

The addition of water capital improvement projects included in the IRWMP to the FCC was a new component in the 2013 FCC. The future water system capital projects component has increased approximately 40 percent.

The water CIP project component reflects the costs associated with the new White Rock Diversion, a new water treatment plant and new water transmission mains called for by the Integrated Water Resources Master Plan.

Wastewater

The most significant change to the wastewater FCC is the addition of an incremental component that incorporates the WWFMP projects that are allocated to new growth.

- Buy-in for Collection, Pumping and Treatment

For the 2013 FCC, the value of fixed assets is calculated using the *replacement cost method less depreciation*, and the net facilities value is divided by the number of existing and future EDUs to account for total capacity in the system.

- Avoided Wastewater Cost Component

For the 2013 update, the avoided wastewater cost component has been eliminated.

- Incremental cost of wastewater capital improvement projects

The addition of all wastewater capital improvement projects to the FCC was a new component to the 2008 FCC study. Approximately 90 percent of the wastewater capital projects for El Dorado Hills and Deer Creek are attributed to expansions at the two plants which are included in the WWFMP.

Recycled Water

The total 2013 recycled water FCC decreased 33 percent from 2008. The most significant change to the recycled water FCC was subtracting depreciation from the fixed assets and elimination of the "Avoided Wastewater Cost Credit to Recycling." See discussion on page 5.

Table 13: Summary of 2013 Proposed FCCs

FCC	Component	2013 FCC	2013 FCC
		District-wide Potable	District-wide Dual-Plumbed
WATER	1). Buy-in for Existing Treatment, Trans, Storage & Gen. Facilities <i>Fixed Assets</i> <i>Existing + Future EDUs</i>	\$3,208	\$2,598
	2). Water Supply <i>Water Supply Cost</i> <i>Water Supply Capacity</i>	3,187	1,275
	3). Future Water CIP <i>Other Water CIP Funded by FCCs</i> <i>Future EDUs</i>	11,183	7,598
	Total Water FCC	\$17,578	\$11,471
		District-wide	District-wide
WASTEWATER	1). Buy-in for Collection, Pumping & Treatment <i>Fixed Assets</i> <i>Existing + Future EDUs</i>	\$6,020	\$6,020
	2). Avoided Wastewater Cost From Recycling <i>Avoided Cost</i> <i>Existing + Future EDUs</i>	0	0
	3). Future Wastewater CIP <i>Wastewater CIP Funded by FCCs</i> <i>Future EDUs</i>	6,842	6,842
	Total Wastewater FCC	\$12,862	\$12,862
		District-wide	District-wide
RECYCLED WATER	1). Recycling Fixed Assets + Future CIP <i>Total Cost of Recycling</i> <i>Existing + Future EDUs</i>	\$ 3,046	\$ 3,046
	2). Avoided Wastewater Cost Credit to Recycling <i>Avoided Costs Shifted to Wastewater</i> <i>Existing + Future EDUs</i>	0	0
	Total Recycled Water FCC	\$ 3,046	\$ 3,046
TOTAL PER EDU	Potable Water Connection	\$30,440	
	Dual-Plumbed Water Connection (1)		\$27,379

(1) Dual-Plumbed Water FCC Calculation = (81% of Potable Buy-in Component + 40% of Potable Water Supply Component + 68% of Potable Future Capital Projects Component) + 100% of Recycled Water FCC+ 100% of Wastewater FCC

Proposed 2016-2020 rate hikes are in conflict with EID AR 11010 and FCC fee setting policies

EID AR 11010, regarding Rates, Fees, and Charges, states: ***“The District will establish all user fees at the full cost of providing the service, including direct, indirect, overhead and capital recovery charges.”***

EID FCC fee setting policy states: ***“Per Board policy, the District levies FCC’s on new development in amounts sufficient to ensure that existing customers do not subsidize new growth”.***

EID Managements’ currently proposed 2016-2020 financial plan proposes five years of rate hikes to pay for an 88 percent/\$13.3 million surge in the District’s annual debt service... from \$15.2 million in 2014 to \$28.5 million in 2017.

EID capital project planning documents show that approximately half of Management’s proposed \$49 million new debt is to be paid from FCC’s so **EID policies require that the new development portion of \$49 million new debt costs must be borne by increases to EID’s FCC fees...not solely by increases to ratepayer rates as currently is reflected in Management’s proposed five year financial plan.**

(It further needs to be verified that all debt costs for previous new development-related capital projects have been incorporated into FCC charges as required by AR 11010 and EID’s FCC fee-setting policy. The accompanying FCC “Accounts Receivable schedule reports a \$61.7 million FCC account deficit as of August 2010...monies financed by ratepayers instead of developers.)

Since 2009, FCC fees (per combined water and sewer hook-up) have increased 6 percent while water rates increased 94 percent...16 times as much!

SUMMARY: To comply with EID AR 11010 and EID FCC fee setting policy, FCC fees need to be adjusted to reflect new development’s portion of the District’s projected 88 percent / \$13.3 million surge in annual debt service and remove the new development debt service portion from Management’s currently proposed 2016-2020 rate increases to ratepayers.

Prepared and submitted by:

Greg Prada
EID Director, Division 2

FCC "Account Receivable"

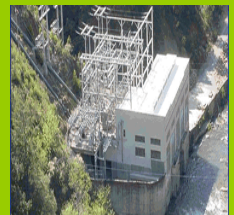
(in millions)

	Water	Wastewater (incl. RWW)	Total
FCC expenditures over revenues	(\$21.50)	(\$40.20)	(\$61.70)
Value of capacity	<u>76.33</u>	<u>123.00</u>	<u>199.33</u>
Amount available for future projects or debt reduction	\$54.83	\$82.80	\$137.63

EL DORADO IRRIGATION DISTRICT

Staff Response to November 9, 2015 Director's Handout

December 14, 2015



Previous Board Action

- August 26, 2013– The Board adopted the update to the District's Facility Capacity Charges (FCCs)
- November 9, 2015– Board adopted the Mid-Cycle Operating Budget and the 2016-2020 Financial Plan and directed staff to issue a Proposition 218 notice for proposed rate increases and changes included in the Financial Plan

Board Policy and Administrative Regulations

BP 11010: The District shall strive to recoup all costs of providing services through rates, fees, charges, fines, and deposits.

The District is committed to:

- Providing capacity for a reasonable rate of growth within the service area
- Cover the costs of services that include but are not limited to water filtration, sewage treatment, recycled water, system storage, and transmission and distributions systems
- Existing customers will not share in these growth related costs

Board Policy and Administrative Regulations

AR 11010: The District will establish all user charges and fees at the full cost of providing the service, including direct, indirect, overhead, and capital recovery costs.

- The Board of Directors will review and adopt rates and Facility Capacity Charges (FCCs)
- The General Manager will periodically review and report to the Board on rates and FCCs

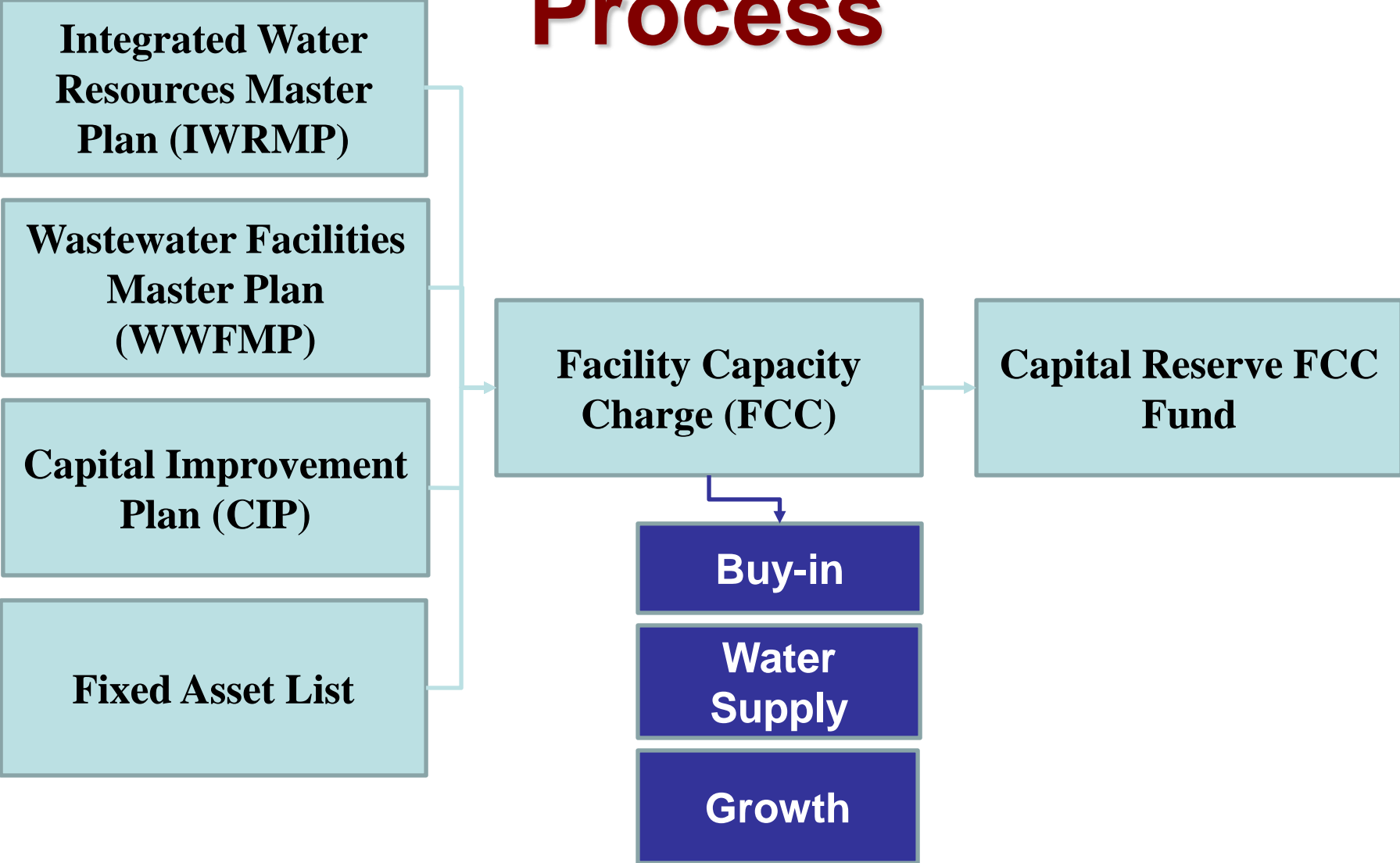
Summary of Issue

- A handout was distributed at the November 9, 2015 Board meeting
- Staff did not have an opportunity to review and comment on the handout
- Staff has reviewed the document and prepared a response regarding the statement: “proposed 2016-2020 rate hikes are in conflict with EID Administrative Regulation 11010 and FCC fee setting policies.”

Summary of Issue

- Claim was made rate payers will pay for the entire \$49 million proposed water bond issue
- Handout suggested-
 - FCC needed to be increased
 - Verify that all debt costs for previous new development capital projects are included in FCC charges

Capital Financial Planning Process



Water FCC Methodology

- **Buy-in** component for existing treatment, transmission and storage, etc.
- **Water supply** component based on the cost of the Project 184 water supply
- **Growth** component method for future capital projects

Water Buy-In Component

- Buy-in component is for:
 - cost of replacement and improvement projects in the existing system that benefit new customers

Fixed Assets + Adjustments to Water System Valuation
Existing + Future EDUs

Water Buy-In Component (con't)

2013

Asset Class	One District
Land and Land Rights	\$ 3,501,947
Source of Supply	37,389,394
Pumping	2,616,392
Water Treatment	45,889,383
Water Facilities	507,275
Transmission and Distribution	194,312,830
Fixed Assets Totals	\$ 284,217,221
Adjustments to Water System Valuation	
Add Water System Work in Progress	\$ 9,997,683
Add Water System Reserves	31,762,481
Add PV of Past Issue & Int. Costs on LT Debt	208,614,567
Subtract Outstanding Principal on LT Debt	(225,503,404)
Subtract Credit for Property Taxes	(55,235,200)
Total Adjustments	\$ (30,363,874)
Total Water System Buy-In Value	\$ 253,853,347
Total Water System EDU's	79,143
Water System Buy-In FCC (\$/EDU)	3,208



Water Supply Component 2013

- Project 184 water supply
 - 17,000 acre-feet
 - Provides benefit to new connections District-wide
 - Each new connection pays a pro-rata share of the Project 184 water supply cost

Water supply cost per AF =

$$\frac{\text{Hydroelectric Fixed Assets and CIP} + \text{Water Supply CIP}}{\text{Water Supply (17,000 AF)}}$$

Water Supply Component (con't)

2013

Water supply FCC =

*Water Supply Cost per AF * AF/EDU Demand*

PROJECT	PROJECT DESCRIPTION	FCCs	Rates	Power Sales	Total 2013-17 Funding
HYDROELECTRIC CIP: 2013 - 2017					
03011H	Forebay Dam Upgrades	\$ 7,632,000	\$ 6,768,000	\$	14,400,000
04005H	Powerhouse Upgrade		80,000		80,000
06030H	Bridge Replacement at Camp 2	535,300	474,700		1,010,000
06024H	FERC C40 Gaging Facilities	34,450	30,550		65,000
06025H	FERC C41 Canal Release Points	21,200	18,800		40,000
07008H	FERC C51.8 SL Campground West Improvements	397,500	352,500		750,000
11002	El Dorado Diversion Dam Upgrades	145,750	129,250		275,000
11004	Lake Aloha Dam Regulatory Improvements	132,500	117,500		250,000
11005	Silver Lake Dam Regulatory Improvements	169,600	150,400		320,000
11008	Flume 39-40 Replacement	185,500	164,500		350,000
11009	Flume 45 Replacement	238,500	211,500		450,000
11023	Echo Conduit Replacement	2,000,750	1,774,250		3,775,000
12020	Diversion Dam Fish Screen	69,960	62,040		132,000
08003H	Flume 41 Replacement	2,809,000	2,491,000		5,300,000
08004H	Flume 45A and 47 Replacement	658,525	583,975		1,242,500
					-
		\$ 15,030,535	\$ 13,408,965	\$ -	\$ 28,439,500
New Hydroelectric Projects					
Carry Over	Flume 52A Replacement	\$ 1,007,000	\$ 893,000	\$	1,900,000
Carry Over	Hydro SCADA Network Reliability Program		194,000		194,000
Carry Over	Penstock Assessment		100,000		100,000
Carry Over	Alder and Plum Siphon Assessments	26,500	23,500		50,000
Carry Over	Canals and Flumes Upgrade	53,000	47,000		100,000
Carry Over	El Dorado Canal Relining Program	159,000	141,000		300,000
Carry Over	Flume 42-43 Replacement	1,749,000	1,551,000		3,300,000
Carry Over	Flume 48 Replacement	1,749,000	1,551,000		3,300,000
Carry Over	Flume 44 Replacement	1,696,000	1,504,000		3,200,000
Carry Over	Flume 4 Replacement	53,000	47,000		100,000
New	Flume 42-46 Feasibility Study	106,000	94,000		200,000
					-
		\$ 6,598,500	\$ 6,145,500	\$ -	\$ 12,744,000
	Subtotal CIP Hydroelectric Projects	\$ 21,629,035	\$ 19,554,465	\$ -	\$ 41,183,500
General District Water Supply					
89069E	Water Rights for 17,000 Acre Feet	\$ 50,000		\$	50,000
06004G	SMUD/ El Dorado Agreement Water Rights	470,000			470,000
					-
	Subtotal General District Water Supply	\$520,000	\$ -	\$ -	\$ 520,000
HYDROELECTRIC FIXED ASSETS					
	Subtotal Fixed Assets	\$ 60,223,781	\$ 53,405,994	\$ 3,106,873	\$ 116,736,648
TOTAL					
	TOTAL	\$ 82,372,816	\$ 72,960,459	\$ 3,106,873	\$ 158,440,148
	Water Supply Yield in ac/ft	17,000			
	Water Supply Cost per AF	\$ 4,845			

The current FCC calculation includes the following projects from the 2013-2017 CIP plan:

1. \$7.6 million for Forebay Dam Upgrades
2. \$10.3 million for flume replacement

Totaling about \$17.9 million

The proposed 2016 water bond issue includes the following projects to be collected through FCCs:

1. \$10.0 million for Forebay Dam Upgrades
2. \$6.1 million for flume replacement
3. \$3.3 million for Esmeralda Tunnel repair

Totaling about \$19.4 million

Future Capital Component 2013

- Includes projects in 2013-2017 CIP
- Included projects in adopted Master Plans

Future Capital Projects

Future EDUs

Project No.	Project Description			Total Funding
		All District FCCs (2)	Rates	
WATER CIP				
10015	Water System Upgrades		\$ 150,000	\$ 150,000
10022	Silva Valley Interchange (DOT)		375,000	375,000
11017	Reservoir A WTP Chlorine conversion		1,500,000	1,500,000
11026	Reservoir A Process Improvements		390,000	390,000
11032	Main Ditch - Forebay to Res 1		80,000	80,000
11033	Summerfield Ditch / Fannon Reservoir Fill System		100,000	100,000
11035	Water Tank Recoating Program		3,000,000	3,000,000
11040	Ditch Water Rights/SCADA		32,000	32,000
12008	Patterson Intersection Improvements (DOT)		204,000	204,000
12023	DOT Construction Projects - Water		125,000	125,000
07033E	Sly Park Dam Evaluation		160,000	160,000
09006E	Blakeley Reservoir Improvements		770,000	770,000
SDWL04	Reservoir Floating Cover Replacement Prog		150,000	150,000
IWRMP	Sly Park Intertie Lining		4,320,000	4,320,000
Carry Over	Outingdale WTP		25,000	25,000
Carry Over	Development Services Water Model		150,000	150,000
Carry Over	Main Ditch - Reservoir 1 to Blakeley Reservoir		10,000	10,000
Carry Over	Monte Vista Tank	58,750	1,116,250	1,175,000
Carry Over	PRS Replacement Program		475,000	475,000
Carry Over	2013 Waterline Replacement Program		125,000	125,000
Carry Over	Pump Station Upgrade Program		310,000	310,000
Carry Over	Moosehall Pump Station Upgrades		50,000	50,000
Carry Over	Strawberry WTP Evaluation		50,000	50,000
NEW	IWRMP Implementation	93,750	31,250	125,000
NEW	Water SCADA Network Reliability Program		449,000	449,000
NEW	Greenstone Tank Telemetry Installation		60,000	60,000
NEW	R1WTP Spent Backwash Treatment		25,000	25,000
NEW	RAWTP Filter Media Evaluation		25,000	25,000
NEW	Water Facility Replacement Program		500,000	500,000
NEW	Emergency Generator Replacement - Water		450,000	450,000
NEW	Spencer Road Waterline Replacement		105,000	105,000
IWRMP	Compliance w/ Stage 2 D/DBP Rule		200,000	200,000
IWRMP	Main Ditch Piping		5,300,000	5,300,000
IWRMP	Reservoir 1 WTP Upgrades		1,630,000	1,630,000
IWRMP	Reservoir A WTP Direct Filtration Study		200,000	200,000
IWRMP	EDHWTP Raw Water PS Upgrade		3,250,000	3,250,000
IWRMP	New WTP	47,740,000		47,740,000
IWRMP	Parallel DSM Res 11 - Res 12	6,480,000		6,480,000
IWRMP	Pipeline from New WTP to Valley View	74,330,000		74,330,000
IWRMP	White Rock Diversion	44,870,000		44,870,000
IWRMP	Treated Water Storage		13,121,875	13,121,875
Total Water CIP		\$ 173,572,500	\$ 25,892,500	\$ 199,465,000
GENERAL DISTRICT CIP (Allocated to Water FCCs)				
06004G	SMUD / El Dorado Agreement Water Rights	\$	-	\$ -
89069E	Water Rights for 17,000 Acre Feet		-	-
Total General District CIP		\$	- \$	\$ -
Total Water CIP		\$ 173,572,500	\$ 25,892,500	\$ 199,465,000

Water FCC

2013

FCC Components	One District
BUY-IN COMPONENT	
Existing Treatment, Transmission and Storage	
Fixed Assets & Valuation	\$ 253,853,347
Total EDUs (existing plus future)	79,143
Buy in / EDU	\$ 3,208
WATER SUPPLY COMPONENT	
Water Supply Projects & Hydroelectric Fixed Assets	\$ 82,372,816
Water Supply AF	17,000
Water Supply Cost per AF	\$ 4,845
Demand AF/EDU	0.6577
Water Supply Component / EDU	\$ 3,187
FUTURE CAPITAL PROJECTS COMPONENT	
Water CIP funded by FCCs	\$ 173,572,500
Future EDUs	15,522
Future Capital Projects Component / EDU	\$ 11,183
TOTAL WATER FCC	\$ 17,577

FCC and Rate Comparisons 2003-2015

Year	Ed Dorado Hills FCC Water	Ed Dorado Hills FCC Wastewater	Water Rate Increase	Wastewater Rate Increase
2003	\$ 4,646	\$ 6,143	0%	0%
2004	8,862	9,223	7%	0%
2005	11,954	9,855	7%	4%
2006	11,954	9,855	7%	4%
2007	11,954	9,855	7%	4%
2008	15,751	13,441	0%	4%
2009	15,751	13,441	0%	0%
2010	15,751	13,441	18%	18%
2011	15,751	13,441	15%	15%
2012	15,751	13,441	11%	5%
2013	17,578	12,862	11%	5%
2014	17,578	12,862	5%	5%
2015	17,930	13,119	0%	0%
Change	286%	114%	130%	84%
Avg Annual	11.91%	6.53%	7.19%	5.20%

Summary

- Past and future debt costs are recovered both through rates and FCC charges based upon the adopted FCC study and the 2016-2020 Financial Plan.
- The current FCC does not need to be increased because it already has included Forebay Dam remediation and flume replacement projects
- New development does pay their fair share, through payment of FCC fees, for capacity related projects and debt costs when they hook up to the system

Board Decisions/Options

Information item

EL DORADO IRRIGATION DISTRICT

Subject:

Update on *Key Performance Indicators and Goals* report.

Previous Board Actions and Updates:

October 25, 2010 – Board was presented with the *Key Performance Indicators and Goals* report that will be used to measure performance over time

February 13, 2012 – *Key Performance Indicators and Goals* update

December 10, 2012 – *Key Performance Indicators and Goals* update

October 15, 2013 – *Key Performance Indicators and Goals* update

December 8, 2014 – *Key Performance Indicators and Goals* update

Board Policies (BP), Administrative Regulations (AR), and Board Authority:

BP 12020 states that the Board's role is to provide oversight and direct the implementation of the District's mission. The Board will do so by deciding and monitoring policy and fiscal matters.

BP 0030 states that the process of developing and maintaining a General Manager and General Counsel Accountability report gives the District staff opportunities to review achievements, identify areas for improvement, enlist community support, and establish a vision for the future.

Summary of Issue(s):

Key Performance Indicators and Goals report was developed in 2010. It incorporated many of the strategic guide initiatives, and was expanded to include performance indicators that can be used to track improvement or benchmark with other similar utilities to measure the District's performance against industry standards.

Staff Analysis/Evaluation:

Significant progress has been made on most of the initiatives in the *Key Performance Indicators and Goals* report.

- **Customers**

We continue to expand services on the District's website and have expanded email notification and online bill pay opportunities. Over 41% of our customers are using the District's online bill payment feature and 67% of our customers receive information from the District via email. We are nearly finished implementing a comprehensive Americans with Disabilities Act (ADA) plan. In 2015, as identified in a customer service survey, the District had an overall customer satisfaction rating of 91% satisfied or very satisfied. The customer satisfaction for phone service was 93% and field service was 95%. The District also continues to rank mostly in the top quartile for providing reliable water and wastewater services, based on American Water Works Association (AWWA) standards.

- **Employees**

We have made significant improvements in regulatory compliance by giving priority to identifying and abating actual and potential risks to employees, the public and environment. The District's commitment to safety also continues to result in major cost savings associated with Workers' Compensation insurance premiums. Currently, the District's Workers' Compensation premium is at a fourteen-year low (\$293,139). More impressive than that, the annual premium savings since the high in 2003 is about \$1.6 million. The utilization of the Labor Management Committee has significantly improved employee relations, reducing grievances and associated costs.

- **Finance**

Through the internal 1.0 financial test adopted in 2010, we have reduced our reliance on facility capacity charges (FCCs) to meet debt service obligations. The District's credit rating was increased to A+ in 2012 by the Standard & Poor's rating agency and reconfirmed in the 2014 debt refinance. We expect this rating to be reaffirmed with the bond issuance in 2016 based on the fiscally sound financial plan adopted by the Board.

We continue to benefit from the early implementation of the Public Employees' Pension Reform Act (PEPRA), at a savings of \$700,000 annually. From 2014 through 2017, the cumulative estimated savings is \$2.8 million. These savings are demonstrated by keeping salaries and benefits flat for 2015 and 2016. Overall staffing has been reduced from 305 in 2007 to 216 in 2015. The 2007 budget was \$45.62 million, and the 2016 budget is \$46.5 million, only a \$900,000 increase in eight years since 2007. The District continues to address replacement and upgrade of aging infrastructure to maintain reliable services, and capital expenditures continue to track within the approved plan adopted by the Board. The District was also successful in obtaining a \$1 million grant for the Main Ditch Piping Project.

- **Business Practices**

The District was very successful in managing its debt throughout 2015. The District has paid down the debt by \$30 million since 2012; additionally, the forecast is to continue to pay down debt by \$4.7 million to \$14.9 million annually in 2015-2019 or as much as \$56.1 million in total. We have implemented a number of IT improvements to reduce cost, improve reliability, and increase security, including upgrading process control networks in half of the District's treatment plants, replacing obsolete data storage systems, and upgrading numerous outdated software applications. The District expanded use of our computerized maintenance management system (CMMS) to include recycled water permits and inspections, continuing the strategy of capturing valuable institutional knowledge from long-time employees prior to their retirement.

Our strategy for dealing with the United States Bureau of Reclamation (USBR) regarding withdrawal of additional water supplies at Folsom Reservoir was revised to eliminate sole funding of a temperature control device (TCD) project by the District. Instead, we are pursuing a regional cost-share project that could save our customers over \$40 million.. A 5-year Warren Act Contract was completed in 2015 to access 8,500 AF of additional water supplies.

The District successfully implemented the first water transfer to Westlands Water District which increased non-rate revenue by \$2.2 million including additional generation revenue. It also established a model for the District to use in future water transfer opportunities.

The District continues to utilize performance indicators and goals in assigning responsibility, monitoring progress, and enhancing the performance evaluation process. The management team is keenly focused on meeting these performance indicators and goals.

Two important benchmarking indicators include Services per Employee and Total Debt to Total Net Capital Assets.

Services per employee are tracked by many utilities as a big-picture efficiency measurement. For 2015 YTD, I am pleased to report that the District's efficiency indicator is 311 services per employee, significantly improved from a low of 209 services per employee in 2007. The District now has one of the highest ratios as compared to similar agencies in the region.

Over the past decade, the District has borrowed and invested significant funds to replace or improve deteriorating assets and to comply with regulatory requirements. The magnitude of the District's debt load is being tracked by the ratio of Total Debt to Total Net Capital Assets, which is a measurement used by Standard & Poor's. The District's debt load continues to fall within Standard and Poor's "moderate" range. This important measurement shows that an independent credit rating institution considers the District's past infrastructure reinvestment activities to be moderate by industry standards. It confirms that significant reinvestment in capital replacements is common, necessary and anticipated in the utility industry.

Management of District water supplies during the drought was a challenging key performance issue throughout 2014 and especially 2015. Additionally, the District continues to rely on the water savings achieved by converting Ag and small farm customers from ditch systems to potable piped systems 15-20 years ago, saving the District about 4,000 AF of water annually. This saved water was transferred to Folsom Reservoir to increase El Dorado Hills water supplies. These actions were instrumental in ensuring adequate water supplies for our customers. This was particularly important to our El Dorado Hills customers in 2015, since the United States Bureau of Reclamation reduced Central Valley Project water supply from Folsom Reservoir to about one-quarter of the District's contract total.

Staff undertook a multi-faceted campaign to educate our customers concerning the drought and how they could assist by conserving water, thus reducing demand. They participated in numerous public speaking engagements, issued numerous public mailings, "rapid notify" announcements, handled customer inquiries, and untold customer contacts in the field. Through these efforts, the District has achieved approximately 30% conservation in 2015, also exceeding the State Water Board mandate of 28% conservation for EID since June.

The District successfully managed both supply and demand issues arising from the drought and met the goal of maintaining over 25,000 AF in Sly Park Reservoir carry-over storage. This was aided by utilization of the Hazel Creek tunnel to convey over 7,300 acre-feet of water from Project 184 supplies into Jenkinson Lake this year.

The *Key Performance Indicators and Goals* report advances the District's mission and values, as well as the General Manager's Guiding Principles. It is the foundation for high-priority, District-wide goals and performance assessment, and is used to assign departmental responsibilities and tasks to meet designated targets and timelines. As a living, working document, it also forms the basis of performance evaluations for all District employees, including the General Manager and General Counsel.

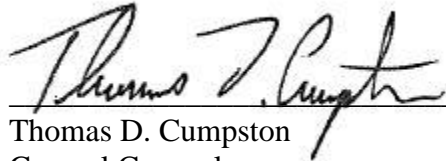
The District will increase its focus on conducting a water transfer sale in 2016, establishing multiple points of diversion for Permit 21112 water, securing a long-term Warren Act contract and applying for 15,000 acre feet of SMUD/EDWPA drought water supplies. Reducing unaccounted for water losses will also be emphasized in 2016, with a goal of 10% reduction. Additionally, managing staff turnover and effective succession planning will continue to be a focus in 2015-2016.

Board Decisions/Options:

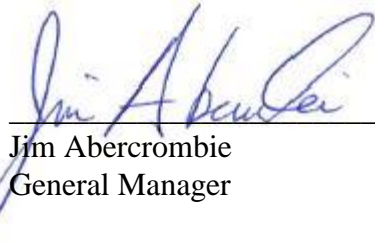
None – Information only.

Supporting Documents:

A. *Key Performance Indicators and Goals* report



Thomas D. Cumpston
General Counsel



Jim Abercrombie
General Manager

El Dorado Irrigation District



Key Performance Indicators and Goals

Mission Statement

We are a public agency dedicated to providing high quality water, wastewater treatment, recycled water, hydropower, and recreation services in an environmentally and fiscally responsible manner.

Guiding Principles

100% Safety

Respect for the Individual

Excellent Customer Service

Fiscal Responsibility

100 % Safety

Employee

Key Performance Indicators	Target	Results 2012	Results 2013	Results 2014	Results 3 rd Qtr. 2015
Lost-time injuries	0	4	2	1	2
Injuries Requiring Medical Attention (IRMA)	0	10	4	3	7
Avoidable accidents (AA)	0	13	12	16	19
Safety training	100%	100%	100%	99.9%	99.7%
Other required training	100%	99.9%	100%	100%	100%

100 % Safety

Public – Meet all Health and Safety Standards

Key Performance Indicators	Target	Results 2012	Results 2013	Results 2014	Results 2015 YTD
Water	100% Regulatory Compliance	1 violations	0 violations	1 violations	0 violations
Wastewater	100% Regulatory Compliance	1 violations	2 violations	1 violations	0 violations
Hydro	100% Regulatory Compliance	0 violations	0 violations	0 violations	1 violations

Respect for the Individual

Employee				
Key Performance Indicators	Target	Results 2012	Results 2013	Results 2015
District employee survey	3 rd Qtr. 2014	Completed 2012; Bi-annual	Completed 2012; Bi-annual	Completed 2015; Bi-annual 89% very satisfied or satisfied
Labor Management Committee (LMC)	Monthly meetings	On schedule; Ongoing; 68% favorable in 2012 District employee survey	On schedule; Ongoing	On schedule; Ongoing

Excellent Customer Service

Customer Satisfaction Survey*

Key Performance Indicators	Target	Results 2010	Results 2012	Results 2015
Overall	Greater than 90%	87%	87%	91%
Phone	Greater than 90%	95%	90%	93%
Field	Greater than 90%	94%	92%	95%
Reasonableness of water rates	Greater than 80%	56%	54%	65%
Reasonableness of wastewater rates	Greater than 60%	33%	39%	47%

*Survey performed bi-annually

Excellent Customer Service

Service Reliability				
Key Performance Indicators	Target*	Results 2013	Results 2014	Results 2015 YTD
# of unplanned water outages per 1,000 accounts	---	---	---	---
Less than 4 hours	0.89 top 2.83 median 9.10 bottom	2.30 outages (92 outages)	1.05 outages (41 outages)	2.00 outages (78 outages)
4 to 12 hours	0.13 top 0.98 median 3.22 bottom	0.50 outages (20 outages)	0.38 outages (15 outages)	0.18 outages (7 outages)
Greater than 12 hours	0.00 top 0.00 median 0.20 bottom	0.00 outages	0.00 outages	3.00 outages (1 outages)

*American Water Works Association (AWWA) Standards

Excellent Customer Service

Service Reliability

Key Performance Indicators	Target	Results 2013	Results 2014	Results 2015 YTD
# of water system leaks/breaks per 100 miles*	21.7 top 34.3 median 56.1 bottom	40.42 outages (566 leaks/breaks)	47.07 outages (659 leaks/breaks)	38.36 outages (537 leaks/breaks)
Sanitary Sewer Overflows (SSO) per 100 miles of pipe	Less than 5.00	2.32 (13 SSO's)	2.14 (12 SSO's)	1.42 (8 SSO's)

*American Water Works Association (AWWA) Standards

Fiscal Responsibility

Debt Service Coverage

Key Performance Indicators	Target	Results 2013	Results 2014	Projected 2015
<u>Annual Ratio without FCCs</u>	1.25 minimum 1.50 goal	1.92	1.68	1.51
<u>Annual Ratio with FCCs</u>	1.70 minimum 2.00 goal	2.27	2.00	2.29

Facility Capacity Charge (FCC)

Business Practices

Long-term Water Supply

Key Performance Indicators	Original Target	Revised Target	Results	Team
Complete contract negotiations with Reclamation - 17,000 AF	2 nd Qtr. 2012	1 st Qtr. 2015 (temporary contract) 2017 (long-term contract)	5-year, 8,500 AF contract completed	General Manager, Engineering and Legal

United States Bureau of Reclamation (Reclamation)
Acre Feet (AF)

Business Practices

Trends Over Time (establish improvement benchmarks)

Key Performance Indicators	Target	Results 2013	Results 2014	Results 2015 YTD
Operating expenses per service	Trend	\$315.38	\$333.91	\$233.24
Services per employee (annually)	Trend	303	307	311
Overtime hours (year-to-date)	Trend	2.67%	4.56%	4.02%
Write off (year-to-date)	Less than 1%	0.15%	0.14%	0.10%
Outside legal expenses - operating	Trend	\$51,605.97	\$19,198.00	\$ 18,100.55
Outside legal expenses - capital	Trend	\$ 1,429.00	\$10,590.77	\$151,434.00
% of customers using online bill pay (current)	Trend	36%	38%	41%

Business Practices

Customer Services Per Employee

Agency	Service	# Services	# Employees	Services / Employee
El Dorado Irrigation District (EID)	Water/Wastewater Recycled	66,478	211	315
Tuolumne Utilities District (TUD)	Water/Wastewater	25,530	85	300
Calaveras County Water District	Water/Wastewater	17,400	65	268
Amador Water Agency	Water	10,000	40	250
San Juan Water District	Water	10,700	49	218
Placer County Water Agency (PCWA)	Water	39,338	200	197
Nevada Irrigation District (NID)	Water	27,250	189	144

Business Practices

Trends Over Time continued (establish improvement benchmarks)

Key Performance Indicators	Target	Results 2013	Results 2014	Results 2015
<u>Water rates</u> (bi-monthly)	At or below median of similar agencies (\$115.16*)	\$ 94.34 ¹	\$ 99.06 ¹	\$ 99.06 ¹
<u>Wastewater rates</u> (bi-monthly)	At or below median of tertiary agencies (\$155.97*)	\$127.61 ²	\$134.00 ²	\$134.00 ²

*November 2015 other agency comparisons; ¹ assuming 30 ccf water usage; ² assuming 16 ccf winter water usage
Hundred Cubic Feet (ccf)

Business Practices

Key Water and Sewer Utility Credit Ratio Ranges

Key Performance Indicators	Target	Results 2013	Results 2014	Results 2015
Total debt to total net capital assets	40 - 60% Moderate*	57.18%	55.66%	
Variable rate debt	Manage debt to no more than 35% of long-term debt	29.98%	32.13%	

*“Key Water And Sewer Utility Credit Ratio Ranges” *Standard & Poor’s Global Credit Portal RatingsDirect*®, September 15, 2008, page 5

Summary

2015 Achievements			
Goal	Original Target	Revised Target	Results
Complete and execute the contract with Reclamation for Permit 21112 water supply	2014	1 st Qtr. 2015 (temporary contract) 2017 (long-term contract)	Secured five-year, 8,500 AF contract while analysis continues on full long-term contract; participating in Folsom Lake temperature management alternatives analyses
Complete improvements of Main Ditch, Sly Park Intertie and Forebay Dam remediation	2015 - 2019	Included in 2016–2020 CIP	Complete improvements of Main Ditch, Sly Park Intertie and Forebay Dam remediation
Develop and implement plan to eliminate potable water being used to augment recycled water supply	2013	2016	Received temporary SWRCB permit at DCWWTP; Seeking long term change of use permits

United States Bureau of Reclamation (Reclamation) Acre Feet (AF) Capital Improvement Plan (CIP)
 State Water Resources Control Board (SWRCB) Deer Creek Wastewater Treatment Plant (DCWWTP)

Summary

2013 - 2016 Achievements

Goal	Original Target	Revised Target	Results
Transfer ownership of real property that has been declared surplus to the District needs	2013 - 2016	2015 - 2019	Ongoing
Expand non-rate revenue through marketing water transfers	2013 - 2016	2015 - 2019	Completed 2,800 AF transfer in 2015

Acre Feet (AF)

Summary

2016 - 2018 Goals			
Goal	Original Target	Revised Target	Results
Pursue drought year water supply (SMUD) transfer agreement	2014 - 2015	2015 - 2019	
Initiate process to have multiple points of diversion for Permit 21112 water	2014 - 2017	2015 - 2019	Included in 2016-2020 CIP
Issue bonds for 2016 and explore opportunities to refinance or prepay debt to lower overall costs	1 st Qtr. 2015		
Reduce unaccounted-for water loss by 10%	2015	2016 – 2020	Ongoing
Continue with succession planning and transition	2015 - 2019	---	Ongoing

Capital Improvement Plan (CIP)

Summary

2016 - 2018 Goals

Goal	Original Target	Revised Target	Results
Transfer ownership of real property that has been declared surplus to the District needs	2013 - 2016	2015 - 2019	Ongoing
Improve efficiencies by integrating Hansen, Geographic Information System (GIS) and Customer Information System (CIS)	2013 - 2016	2015 - 2019	GIS plan completed; Included in 2016-2020 CIP
Complete and execute the contract with Reclamation for Permit 21112 water supply	2014	1 st Qtr. 2015 (five-year contract) 2017 (long-term contract)	2015 achievements: Secured five-year, 8,500 AF contract while analysis continues on full long-term contract; participating in Folsom Lake temperature management alternatives analyses

Capital Improvement Plan (CIP)
United States Bureau of Reclamation (Reclamation)

Summary

2016 - 2018 Goals

Goal	Original Target	Revised Target	Results
Develop and implement plan to eliminate potable water being used to augment recycled water supply	2013	2016	Received temporary SWRCB permit at DCWWTP; Seeking long term change of use permits
Expand non-rate revenue through marketing water transfers	2013 - 2016	2015 - 2019	Completed 2,800 AF transfer in 2015
Complete improvements of Main Ditch, Sly Park Intertie and Forebay Dam remediation	2015 - 2019	---	Included in 2016–2020 CIP

Capital Improvement Plan (CIP)

State Water Resources Control Board (SWRCB)

Deer Creek Wastewater Treatment Plant (DCWWTP)

EL DORADO IRRIGATION DISTRICT

Subject: Parliamentary Procedures.

Previous Board Action:

None

Board Policies (BP), Administrative Regulations (AR), and Board Authority:

BP 12080, subdivision J. states, "The rules contained in the current edition of Robert's Rules of Order Newly Revised shall govern the District in all cases to which they are applicable and in which they are not inconsistent with applicable law, these By-Laws, or any District policy statement."

Summary of Issue(s):

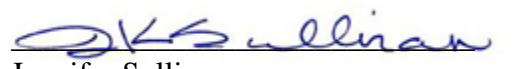
Board President George requested that General Counsel Tom Cumpston review the District's parliamentary procedures for ways to streamline Board meetings while ensuring adequate time for public participation and Board debate.

Board Decision/Options:

No action. Information only.

Support Documents Attached:

A. Email dated December 8, 2015 Inquiry re: Parliamentary Procedures



Jennifer Sullivan
Clerk to the Board



Bill George
Board President

Cross, Karen

Subject: RE: Inquiry re: Parliamentary Procedures

----- Forwarded message -----
From: "Cumpston, Tom" <tcumpston@eid.org>
Date: Dec 8, 2015 11:06 AM
Subject: RE: Inquiry re: Parliamentary Procedures
To: "George, Bill" <bgeorge@eid.org>
Cc: "Sullivan, Jennifer" <jsullivan@eid.org>

Bill – Per your request, I am re-sending my November 20 email with a revision (below) to clarify the meaning of the fourth paragraph, immediately below the first quote from *Roberts Rules*, so that this clearer version can be attached to your December 14 agenda item.

Thomas D. Cumpston
General Counsel
El Dorado Irrigation District
2890 Mosquito Road
Placerville, CA 95667
Phone (530) 642-4144
Fax (530) 622-1195

Please Note: Governor Brown has issued an executive order mandating that all water providers achieve a statewide 25% reduction in water use. As a result, the District is required to reduce its water usage by 28% and mandatory [watering restrictions](#) are in effect. For more information, visit www.eid.org/drought.

ATTENTION

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From: Cumpston, Tom
Sent: Friday, November 20, 2015 1:43 PM
To: George, Bill
Subject: Inquiry re: Parliamentary Procedures

President George:

You recently requested that I review the District’s parliamentary procedures for ways to streamline Board meetings while ensuring ample time for public participation and Board debate. I am writing to report the results of that review.

I reviewed Roberts Rules of Order and the District’s Board Policies and Administrative Regulations, and I have one recommendation and one point of information that I believe would advance your objectives.

My recommendation applies to substitute motions. When a main motion is made and seconded, but followed before a vote by a seconded substitute motion, the District’s practice has been to limit Board debate and public comment to the substitute motion. My review of Roberts Rules shows that this practice is incorrect, or at least inadvisable. According to Roberts Rules:

A motion to *Amend* by striking out an entire paragraph, second, or article – or a complete main motion or resolution – and inserting a different paragraph or other unit in its place is called a motion to *substitute*, and the paragraph or resolution to be inserted is said to be offered (or proposed) as “a substitute.”

* * *

A primary amendment to *substitute* is . . . open to debate at all times while it is pending with no secondary amendment pending; and ***such debate may go fully into the merits of both the original text and the substitute, since this is necessary to determine the desirability of the primary amendment.***

(Roberts Rules of Order Newly Revised [10th Ed.], pp. 146:15 – 147:5 [bold emphasis added])

Therefore, I recommend that the District change its recent past practice of taking the Board debate and public testimony sequentially on each motion. Instead, I recommend that the Board President allow Board debate and public testimony on ***both*** a pending main motion and substitute motion simultaneously. This change will encourage public participation and Board debate of both proposals, and it will streamline Board meetings by combining two sequential procedures into one.

My point of information applies to motions for the previous question, or “calling the question.” Until now, Board members have made this motion to apply only to the most immediately pending motion before the Board. However, my review of Roberts Rules revealed that a motion to “call the question” can also be made to seek immediate votes on ***multiple or even all pending motions***, not just the most current one. According to Roberts Rules, a motion for the previous question:

Can be applied to any immediately pending debatable or amendable motion; ***to an entire series of pending debatable or amendable motions; and to any consecutive part of such a series, beginning with the immediately pending question.*** . . . In practice, this motion usually is made in an unqualified form, such as “I move the previous question,” and then it applies only to the immediately pending question. In its qualified form, however, ***it can be***

applied to include consecutively any series beginning with the immediately pending question.

(*Roberts Rules of Order Newly Revised* [10th Ed.], pp. 190:26 – 191:12 [**bold emphasis added**])

Therefore, when a series of motions is pending, such as a main motion and a substitute motion, a Board member may qualify his motion to “call the question” by specifying that his motion applies to ***all pending motions***. If such a motion is made, seconded, and passed, the Board would then immediately vote first on the substitute motion, and then on the main motion, without any intermediate proceedings between the two votes.

In that situation, so long as my recommendation has been followed – that is, the Board President have given the public a chance to testify, and the Board a chance to debate, ***both*** the main and substitute motions – the qualified motion to “call the question” on both motions will likewise streamline Board meetings while preserving a full opportunity for public testimony and Board debate on all issues.

Finally, I recommend that you agendaize an informational Director’s item for a future Board meeting to inform the Board and the public of my findings and recommendations, because they have the potential to change meeting procedures in the future.

Thomas D. Cumpston

General Counsel
El Dorado Irrigation District
2890 Mosquito Road
Placerville, CA 95667
Phone (530) 642-4144
Fax (530) 622-1195

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EL DORADO IRRIGATION DISTRICT

Subject:

Consideration to award an addendum to Utility Vehicles Contract RFB P15-02 to purchase two additional vehicles from Ron DuPratt Ford for the original contract price of \$93,503.70, including sales tax, and authorize funding in the not-to-exceed amount of \$425,000, Project No. 16001.01.

Previous Board Action:

March 23, 2015: The Board awarded contract RFB P15-02 Eleven Replacement Utility Vehicles to four vehicle suppliers including Ron DuPratt Ford.

October 13, 2015: The board adopted the 2016-2020 Capital Improvement Plan.

Board Policies (BP), Administrative Regulations (AR), and Board Authority:

BP 3060 and AR 3061.04 require Board approval for goods or services exceeding \$50,000.

Summary of Issue:

The District maintains a fleet of vehicles in support of the provision of water, wastewater, environmental, hydroelectric, and recreational services. A program for regular maintenance, repair and replacement is needed to maintain reliability, reduce the probability of greater and unexpected expenses, and to maintain or improve service standards. The vehicles included in this replacement project are beyond their normal service life and are subject to a higher rate of costs and downtime which could impact District standards of service to customers.

Staff Analysis/Evaluation:

Vehicle replacement criteria have been established to determine when it may be necessary to replace vehicles. Criteria can include age, condition, mileage, maintenance costs, downtime, improved fuel efficiency opportunities, driver and public safety risks, and changing support requirements. Four vehicles have been identified for replacement in 2016 as part of the annual review and evaluation which was presented to the Board at the October 13th regular Board meeting and approved as part of the 2016-2020 Capital Improvement Plan (see Attachment A for 2016 Vehicle Replacement CIP).

As staff was considering bid specifications for the 2016 replacement vehicles, it was determined two vehicles purchased from Ron Dupratt Ford as part of the 2015 Vehicle Replacement bid would fulfill the need for two of the four vehicles identified to be replaced in 2016. Staff made a request to our sales representative at Ron Dupratt Ford to consider an addendum to the 2015 bid and supply the District with two additional vehicles at the original 2015 bid price. Sales staff at Ron Dupratt Ford agreed and would include 2017 year model trucks at the 2015 contract price but the pricing is only through the December 14 Board meeting. If the contract was awarded after the December 14th date the price would increase by 5% or approximately \$4,300 for the same two vehicles through the remainder of 2015, and increase about 9-11% or approximately \$9,500 for 2016.

The following schedule shows the original March 2015 contract bid price for two, 1-ton 4x4 utility trucks which presented Ron DuPratt Ford as the lowest qualifying bidder (see Attachment B for complete list of the original bid results to RFB P15-02).

<u>Vendor</u>	<u>Bid Price Each</u>	<u>Quantity</u>	<u>Total Bid</u>
Thompson's Auto Group	\$44,284	2	\$88,568.00
Town Ford Sales	\$43,700	2	\$87,400.00
Ron DuPratt Ford	\$43,288.75	2	\$86,577.50
Sac Downtown Ford*	\$41,760*	2*	\$83,520.00*
Subtotal			\$86,577.50
Sales Tax 8%			6,926.20
Delivery			0
Total Bid Price			\$93,503.70

*Low bid did not meet specification

This request also includes the funding request for the 2016 CIP 16001.01 Vehicle Replacement Program in the amount of \$425,000 (Attachment A).

Board Decision/Options:

Option 1: Award an addendum to contract RFB P15-02 to purchase two 1-ton 4x4 utility vehicles from Ron DuPratt Ford for the original contract price of \$93,503.70, including sales tax, and authorize funding in the not-to-exceed amount of \$425,000, Project No. 16001.01.

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

Option 3: Take no action.

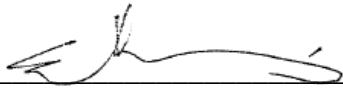
Staff/General Manager's Recommendation:

Option 1

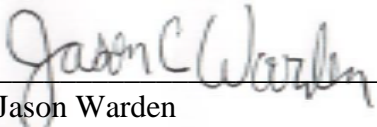
Support Documents Attached:

Attachment A: 2016 Vehicle Replacement CIP

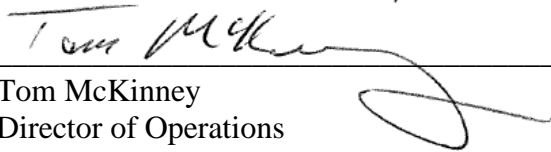
Attachment B: 2015 Bid Results Summary



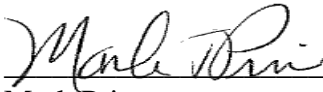
Edward Ruiz
Buyer II, General Services



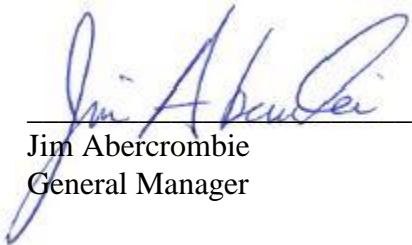
Jason Warden
Fleet Maintenance Supervisor



Tom McKinney
Director of Operations



Mark Price
Director of Finance



Jim Abercrombie
General Manager

2016 CAPITAL IMPROVEMENT PLAN Program: General District

Project Number: 16001
Project Name: 2016 Vehicle Replacement
Project Category: Reliability & Service Level Improvements
Priority: 2 **PM:** Warden **Board Approval:** 10/13/15

Project Description:

The following vehicle replacements are planned for 2016 - 2020:

- 2016: 1-1998 1 1/2 ton utility 4X4 with crane, 2-2003 1/2 ton 4X4 pickups , 1-1998 1 ton water valve truck
- 2017: 1-1 ton 4X4 mobile workshop, 1-1 ton extended cab 4X4 pickup, 1-1 1/2 ton service truck with crane
- 2018: 1- excavator, 2- 1/2 ton 4X4 pickups, 1-1 ton 4X4 service truck
- 2019: 1- 1/2 ton 4X4 pickup, 1- 1ton 4X4 service truck
- 2020: 1- 4X4 SUV, 1 1/2 ton 4X4 pickup, 1- 1 ton 4X4 service truck, 1- 1 1/2 ton 4X4 extended cab service truck

The planned expenditures are listed below.

Enhances District assets through life-cycle replacement of existing vehicles.

Project Financial Summary:			
Funded to Date:	\$ -	Expenditures through end of year:	\$ -
Spent to Date:	\$ -	2016 - 2020 Planned Expenditures:	\$ 1,274,000
Cash flow through end of year:	\$ -	Total Project Estimate:	\$ 1,274,000
Project Balance	\$ -	Additional Funding Required	\$ 1,274,000

Description of Work	Estimated Annual Expenditures					
	2016	2017	2018	2019	2020	Total
Vehicles	\$ 425,000	\$ 267,000	\$ 205,000	\$ 91,000	\$ 286,000	\$ 1,274,000
						\$ -
						\$ -
						\$ -
TOTAL	\$ 425,000	\$ 267,000	\$ 205,000	\$ 91,000	\$ 286,000	\$ 1,274,000

Funding Sources	Percentage	2016	Amount
Water Rates	100%		\$425,000
			\$0
			\$0
Total	100%		\$425,000

Funding Comments:

RFB P15-02
Eleven (11) Utility Vehicles
BID RESULTS

	1, 4x4 Midsize SUV	3, 2x4 1/2 Ton Pickups	4, 4x4 1/2 Ton Pickups	1, 4x4 1-Ton Super-Cab Pickup	2, 1-Ton 4x4 Utility Body Trucks	Delivery	Bid Total
Thompson's Auto Group Pacerville, CA	\$30,972	\$22,091 ea	\$22,959 ea	\$32,861	\$44,284 ea	\$295	\$310,805
		total \$66,273	total \$91,836		total \$88,568		
Ron Dupratt Ford Dixon, CA	\$27,998.84	\$22,473.28 ea	\$24,105.28 ea	\$33,173.19	\$43,288.75 ea	\$0	\$311,590.49
		total \$67,419.84	total \$96,421.12		total \$86,577.50		
Sac Downtown Ford	\$28,660	\$23,658 ea	\$24,927 ea	\$31,123	\$41,760* ea	\$880	\$314,865
		total \$70,974	total \$99,708		total \$83,520*		
Towne Ford Sales Redwood City, CA	\$29,000	\$23,600 ea	\$25,325 ea	\$33,250	\$43,700	\$0	\$321,750
		total \$70,800	total \$101,300		total \$87,400		
Winner Chevrolet Sacramento, CA	\$24,120	\$21,445 ea	\$24,600 ea	no bid	no bid	\$0	see individual prices
		total \$64,335	total \$98,400				
Winning Bids	\$24,120	\$64,335	\$91,836	\$31,123	\$86,577.50	\$365	sub-total \$298,356.50
							8% sales tax \$23,839.32
							Grand Total \$322,205.82

*Did not meet specification.

**Consideration to Award purchase
contract for 2 replacement vehicles
and fund the 2016 Vehicle
Replacement Program**

El Dorado Irrigation District

December 14, 2015

Previous Board Action

- October 13, 2015 board adopted 2016-2020 CIP
 - 2016 Vehicle Replacement Program-
Project No. 16001.01 included for
\$425,000

Board Policies and Administrative Regulations

- BP 3060 and AR 3061.04 subdivision a., require Board approval for all purchases over \$50,000

Summary of Issues

- 2016 replacement vehicles in CIP
- CIP funding request
- Purchasing options

2016 Vehicle Replacement Program

- October 13, 2015 board adopted 2016-2020 CIP
 - 2016 Vehicle Replacement Program-Project No. 16001.01 included for \$425,000
- Requesting funding of \$425,000

2016 Replacement Vehicles

- 1 – 1998 4X4 utility truck with crane
- 1 – 1998 water valve truck
- 2 – 2003 4x4 pickup trucks

Vehicles Requested to be Authorized for Purchase Today

- 2 1-Ton 4X4 utility body trucks
 - 2015 bid winner, Ron DuPratt Ford, will honor bid price from March 2015 through December 14, 2015 for a 2017 model year truck
 - March 2015 bid price will increase 5% beginning December 15, 2015 and be valid until December 31, 2015 (approximately \$4,300 increase)
 - March 2015 bid price will increase 9-11% beginning January 1, 2016 (approximately \$9,500 increase)

March 23, 2015

Bids Received for 4x4 Utility Trucks

- 2- 4x4 1 ton utility body pickups
 - Thompson’s Auto Group \$88,568.00
 - Ron Dupratt Ford **86,577.50**
 - Sacramento Downtown Ford 83,520.00*
 - Towne Ford Sales 87,400.00
 - Winner Chevrolet no bid

- Low qualifying bid-Ron Dupratt Ford \$86,577.50

* Did not meet bid specification

Total Bid Price

Price for vehicles	\$86,577.50
Sales Tax (8%)	6,926.20
Total cost	\$93,503.70

Board Decision/Options

- Option 1: Award an addendum to contract RFB P15-02 to purchase two 1-ton 4x4 utility vehicles from Ron DuPratt Ford for the original contract price of \$93,503.70, including sales tax, and authorize funding in the not-to-exceed amount of \$425,000
Project No. 16001.01
- Option 2: Take other action
- Option 3: Take no action

Staff and General Manager's Recommendation

- Option 1

Questions?

EL DORADO IRRIGATION DISTRICT

Subject:

Consideration to award a five-year contract to Denali Water Solutions for Sludge Hauling and Disposal Services from the Deer Creek and El Dorado Hills Wastewater Treatment Plants for an estimated contract total of \$1,362,900.

Previous Board Action:

November 9, 2015 – The Board adopted the 2016 Mid-Cycle Operating Budget.

Board Policies (BP), Administrative Regulations (AR), and Board Authority:

BP 3060 and AR 3061.04 require Board approval for all purchases over \$50,000.

BP 3060 and AR 3061.05 authorize the procurement of goods or services from a single source.

Summary of Issue:

The current contract for biosolids hauling and transportation is scheduled to expire this month. Staff conducted an open bid process for biosolids transportation and disposal. Denali Water Solutions was the low bidder.

Background:

Environmental Protection Agency Disposal Regulations

The Standards for the Use or Disposal of Sewage Sludge (Title 40 of the Code of Federal Regulations, Part 503) were developed to protect public health and the environment from any reasonably anticipated adverse effects of certain pollutants that might be present in sewage sludge. Sewage sludge is considered biosolids when the primarily organic solid product can be beneficially recycled. The Part 503 rule establish requirements for the final use or disposal of sewage sludge / biosolids when biosolids are:

- Applied to land to condition the soil or fertilize crops or other vegetation grown in the soil;
- Placed on a surface disposal site for final disposal; or
- Fired in a biosolids incinerator

Land application is one of the most economical disposal methods in the industry. Land application sites are regulated by the USEPA (United States Environmental Protection Agency) and the “load” each site can absorb is a function of the strength and volume of the product being applied, length of time since the last application, weather conditions, soil type, crop activities, and other factors. For example, one requirement for disposal to land application sites is that the sludge must be anaerobically digested for at least 15 days for pathogen reduction. This, and other requirements, can affect when a load of sludge is receivable at the land application site, and therefore require a well-structured relationship between the transportation provider and the land application company in order to maintain a steady, uninterrupted flow of transporting and receiving material. Another beneficial use of biosolids is alternative daily cover at the landfill. Garbage is covered each day and using biosolids in this manner is considered a beneficial reuse.

Numerous other beneficial reuse options exist, such as use as compaction moisture when building landfill cells, reclaiming mining sites, utilization in cement kilns as a renewable alternative to coal, and composting facility material augmentation. Most recently, using biosolids for fire land restoration/forestation is showing promising results in fire-burned areas of California. The bid document was structured to allow bidders a menu of options for final disposition of the material.

Staff Analysis and Evaluation:

The solids handling operation at the wastewater treatment plants produces approximately 7,000 wet tons of sludge each year that require proper disposal and management practices. The District’s biosolids are hauled to an offsite remote location for beneficial use. The work requires a trucking contractor to provide 4 large end-dump trailers to be stationed at the plants, and 2 yard tractors for use by District employees to move the trailers around the plant grounds. The trailers are positioned in a stationary place at each wastewater plant while they are slowly filled with biosolids by a conveyor system.

A bid request was provided to five biosolids handling and disposal companies with the potential to provide services for the District. Those were McCarthy Family Farms of Bakersfield, CA, Denali Water Solutions of Garden Grove, CA, Biosolids Distribution Services, LLC of Fort Meyers, FL, El Dorado Disposal, and our current provider Synagro-WWT, Inc. of Baltimore, MD. The bid was also posted to the District’s website and advertised in the local newspaper. Two bids were received which included a total of three disposal scenarios offered to the District. The bid prices are the total cost to the District for each wet ton of sludge trucked and disposed. They bid results are as follows.

Bidder	Disposal Scenario 1: 100% Land Application	Disposal Scenario 2: 50% Land Application; 50% Beneficial Reuse	Disposal Scenario 3: 100% Alternate Daily Landfill Cover	Disposal Scenario 4: 100% Beneficial Reuse	Disposal Scenario 5: 100% Innovative Disposal
Synagro WWT, Inc.	\$40.90	\$51.90	no bid	\$62.90	no bid
Denali Water Solutions	no bid	\$38.94	no bid	no bid	no bid

Denali Water Solutions offered the low bid price for a disposal method acceptable to the District. Staff therefore recommends the Board award a five-year contract for sludge hauling and disposal to Denali Water Solutions for an estimated 7,000 wet tons of sludge per year at an estimated total contract amount of \$1,362,900. The actual amount of biosolids produced is dependent upon plant flow and loading. The contract has an allowance for CPI (Consumer Price Index) adjustments annually for significant fuel and disposal permit price changes. These adjustments can be increases or decreases, which staff would review before approving.

Board Decision/Options:

Option 1: Award a five-year contract to Denali Water Solutions for as-needed wastewater sludge hauling and disposal from the Deer Creek and El Dorado Hills Wastewater Treatment Plants for an estimated contract total of \$1,362,900.

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

Option 3: Take no action.

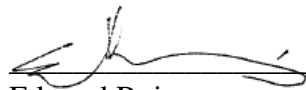
Staff/General Manager's Recommendation:

Option 1.

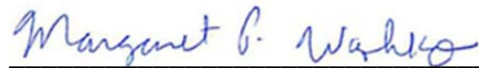
Support Documents Attached:

Attachment A Denali water Solutions Bid

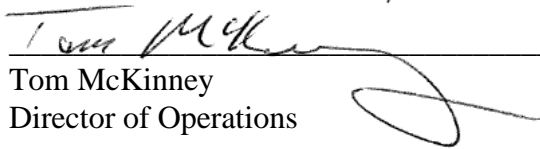
Attachment B Synagro-WWT, Inc. Bid



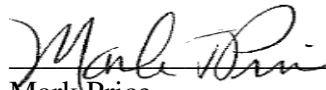
Edward Ruiz
Buyer II, General Services



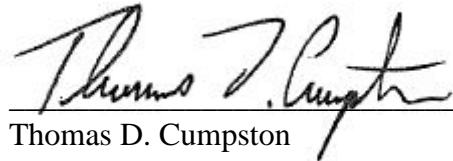
Margaret Washko
Wastewater / Recycled Water Division Manager



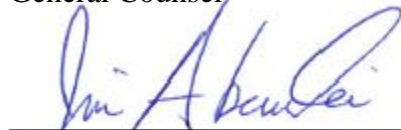
Tom McKinney
Director of Operations



Mark Price
Director of Finance



Thomas D. Cumpston
General Counsel



Jim Abercrombie
General Manager



12812 Valley View Street, Suite 9
Garden Grove, CA 92845
Phone: 714-799-0801
Fax: 714-799-0140

November 27, 2015

Edward Ruiz, Buyer II
EL DORADO IRRIGATION DISTRICT
2890 Mosquito Road
Placerville, CA 95667

Re: Bid for Wastewater Sludge Hauling, and Disposal

Denali Water Solutions is pleased to respond to the El Dorado Irrigation District's (EID) bid for Wastewater Sludge Hauling and Disposal.

Our company has provided transportation, disposal and reuse management services to the Wastewater Treatment Industry for over 18 years, and currently manages over 650,000 tons annually. Our management team has extensive experience and knowledge working with a large number of the Publicly Owned Treatment Works (POTW) in California including the East Bay Municipal Utility District and the City of Santa Cruz.

We have examined the bid and can meet all the specification in the bid including the insurance and bonding requirements. Denali Water proposes loading, transporting and land applying the City's biosolids to our permitted land application sites in Merced County or as alternative daily cover at an approved landfill.

Our company looks forward to providing quality service to EID. If you have any questions please contact Chris Marks at (760) 801-3175.

Sincerely,

A handwritten signature in black ink, appearing to read "Chris Marks", is written over a horizontal line.

Chris Marks

RFB P15-15 Wastewater Sludge Hauling and Disposal

BID SHEET page 3 of 3 RFB P15-15 Wastewater Sludge Hauling and Disposal

Can meet liability insurance requirements: Yes X No _____

Please check your calculations before submitting your bid; the El Dorado Irrigation District will not be responsible for Bidder miscalculations.

Discounts. The following discounts **will** be considered in award of bid.

a. **Award of all items.** Indicate any additional discount for award of all items to your company: 0 %.

b. **Payment Discount.** Discount for payment of invoice within **20 days** of receipt is: 0 %
%. Payment discounts of 20 or more days will be considered in award of bid. The El Dorado Irrigation District will not take discounts that are not earned.

Term Of Offer. It is understood and agreed that this bid may not be withdrawn for a period of **ninety (90) days** from the Bid Submittal Deadline, and at no time in case of successful Bidder.

Bidder's Acknowledgement Of it's Understanding Of The Terms and Conditions. Signature below verifies that Bidder has read, understands, and agrees to the conditions contained herein and on all of the attachments and agenda.

Bidder hereby acknowledges receipt of Addenda Number(s) 1, , , and .

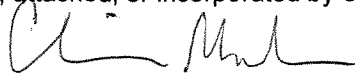
Representations Made Under Penalty Of Perjury. The representations herein are made under penalty of perjury. We hereby offer to sell the El Dorado Irrigation District the above item(s) and or service(s) at the prices shown and under the terms and conditions herein, attached, or incorporated by or referenced.

Denali Water Solutions, LLC
Bidder Name (Person, Firm, Corp.)

12812 Valley View St #9
Address

Garden Grove, CA 92845
City, State, Zip Code

760 801-3175
Telephone Number(s)


Signature of Authorized Representative

Chris Marks
Name of Authorized Representative

Manager
Title of Authorized Representative

415-458-532-1687
Facsimile Number

RFB P15-15 Wastewater Sludge Hauling and Disposal

BID SHEET page 1 of 3 RFB P15-15 Wastewater Sludge Hauling and Disposal

The El Dorado Irrigation District is providing different scenarios for the disposal of sludge. The intent of the District is to choose one scenario or a combination of scenarios that best meets the needs of the District. Bidders are not required to bid all on Scenarios to be eligible for award. Although pricing is important, it may not be the final determination of which scenario(s) are chosen. Unit bid price must be inclusive of all items involved in hauling, provision of end dump trailers, yard tractors, and disposal.

Scenario Number 1: Sludge Disposal – Bidder offers 100% of all sludge will be disposed of at an approved land application site. For evaluation purposes only, the tonnage is based on 7,000 estimated annual wet tons per year.

Bid for Scenario Number 1:

Unit Bid Price \$ _____ per wet ton.
Unit Bid Price per wet ton written in words _____
Minimum Haul and Disposal Charge (see Hauling, item 9) \$ _____
Land Application Site permit _____

Company Name _____ Authorized Bidder Signature _____

Scenario Number 2: Sludge Disposal – Bidder offers 50 % will be disposed of at an approved land application site and 50% will be taken to a residuals management facility and then beneficially reused. For evaluation purposes only, the tonnage is based on 7,000 estimated annual wet tons per year.

Bid for Scenario Number 2:

Unit Bid Price \$ 38.94 per wet ton.
Unit Bid Price per wet ton written in words Thirty-eight and ninety-four cents
Minimum Haul and Disposal Charge (see Hauling, item 9) \$ 876.00
Land Application Site permit Merced County SMP
Residual Management Facility permit Merced County SMP, Patreco Hills Landf. II
Company Name Denali Water Solutions Authorized Bidder Signature A. Mad

Scenario Number 3: Sludge Disposal – Bidder offers 100% will be reused as Alternative Daily Cover (ADC) at an approved landfill. The 7,000 estimated annual tons will not exceed regulations for 25% under PRC 42245. For evaluation purposes only, the tonnage is based on 7,000 estimated annual wet tons per year.

Bid for Scenario Number 4:

Unit Bid Price \$ _____ per wet ton.
Bid Price per wet ton written in words _____
Minimum Haul and Disposal Charge (see Hauling, item 9) \$ _____
Landfill permit: _____
Company Name _____ Authorized Bidder Signature _____

RFB P15-15 Wastewater Sludge Hauling and Disposal

BID SHEET page 2 of 3 RFB P15-15 Wastewater Sludge Hauling and Disposal

Scenario Number 4: Sludge Disposal – Bidder offers 100% will be taken to a Residuals Management Facility and reused. For evaluation purposes only, the tonnage is based on 7,000 estimated annual wet tons per year.

Bid Price for Scenario Number 5:

Unit Bid Price \$ _____ per wet ton.

Bid Price per wet ton written in words _____

Minimum Haul and Disposal Charge (see Hauling, item 9) \$ _____

Residual Management Facility permit: _____

Company Name _____ Authorized Bidder Signature _____

Scenario Number 5: Sludge Disposal – Bidder offers 100% will be in an innovative disposal manner (fire land restoration/forestation, compaction moisture when building landfill cells, reclaiming mining sites, utilized in cement kiln as a renewable alternative to coal) as presented by the bidder in English language backed up by permits that will allow the District to consider the option. For evaluation purposes only, the tonnage is based on 7,000 estimated annual wet tons per year.

Bid Price for Scenario Number 6:

Unit Bid Price \$ _____ per wet ton.

Bid Price per wet ton written in words _____

Minimum Haul and Disposal Charge (see Hauling, item 9) \$ _____

Permit(s): _____

Company Name _____ Authorized Bidder Signature _____

November 30, 2015

Mr. Edward Ruiz
Customer Service Building
2890 Mosquito Road
Placerville, CA 95667

Re: Wastewater Sludge Hauling and Disposal

Dear Mr. Ruiz:

Synagro –WWT, Inc. is pleased to respond to the above referenced bid. We have enclosed for your review our completed bid forms.

Having been in business for over 35 years, Synagro is one of the largest residuals management companies in the country with over 650 municipal and industrial customers and operations in 33 states. We provide ongoing residuals management services to numerous water and wastewater treatment plants throughout California and have extensive equipment and personnel resources to perform the wastewater sludge hauling and disposal project for the El Dorado Irrigation District.

Our pricing for land application at Silva Ranch includes diversion of up to 2,000 tons of dewatered biosolids cake to landfill alternative daily cover at no additional charge to the District. This is provided to ensure that in the event Deer Creek material is less than 15% solids and cannot be stored at Silva Ranch, continuity of service can be achieved without additional cost to the district. Synagro has also included pricing for delivery of 100% of the District's material to a beneficial reuse facility, i.e. compost site. Synagro can offer this same price of \$62.90 in the event the District desires to allocate a portion of its material for delivery to the Central Valley Compost Facility.

Additionally, Synagro will provide a yard goat for each site. Each yard goat will be a 2 axle tractor with a hydraulic fifth wheel. This allows site personnel to move trailers without retracting and extending landing gear.

Synagro appreciates this opportunity. Should you have any questions regarding our submittal, please contact me at (650) 333-0729 or jpugliaresi@synagro.com. We look forward to hearing from you soon.

Sincerely,

John Pugliaresi

John Pugliaresi
Business Development Executive

JP:jc

BID SHEET page 3 of 3 RFB P15-15 Wastewater Sludge Hauling and Disposal

Can meet liability insurance requirements: Yes x No _____

Please check your calculations before submitting your bid; the El Dorado Irrigation District will not be responsible for Bidder miscalculations.

Discounts. The following discounts **will** be considered in award of bid.

a. Award of all items. Indicate any additional discount for award of all items to your company:
0 %.

b. Payment Discount. Discount for payment of invoice within **20 days** of receipt is: 0 %.
Payment discounts of 20 or more days will be considered in award of bid. The El Dorado Irrigation District will not take discounts that are not earned.

Term Of Offer. It is understood and agreed that this bid may not be withdrawn for a period of **ninety (90) days** from the Bid Submittal Deadline, and at no time in case of successful Bidder.

Bidder's Acknowledgement Of it's Understanding Of The Terms and Conditions. Signature below verifies that Bidder has read, understands, and agrees to the conditions contained herein and on all of the attachments and agenda.

Bidder hereby acknowledges receipt of Addenda Number(s) none, , and .

Representations Made Under Penalty Of Perjury. The representations herein are made under penalty of perjury. We hereby offer to sell the El Dorado Irrigation District the above item(s) and or service(s) at the prices shown and under the terms and conditions herein, attached, or incorporated by or referenced.

Synagro-WWT, Inc.
Bidder Name (Person, Firm, Corp.)


Signature of Authorized Representative

435 Williams Court, Suite 100
Address

Michael Schwartz
Name of Authorized Representative

Baltimore, MD 21220
City, State, Zip Code

Vice President
Title of Authorized Representative

916-862-9303
Telephone Number(s)

443-489-9042
Facsimile Number

RFB P15-15 Wastewater Sludge Hauling and Disposal

BID SHEET page 1 of 3 RFB P15-15 Wastewater Sludge Hauling and Disposal

The El Dorado Irrigation District is providing different scenarios for the disposal of sludge. The intent of the District is to choose one scenario or a combination of scenarios that best meets the needs of the District. Bidders are not required to bid all on Scenarios to be eligible for award. Although pricing is important, it may not be the final determination of which scenario(s) are chosen. Unit bid price must be inclusive of all items involved in hauling, provision of end dump trailers, yard tractors, and disposal.

Scenario Number 1: Sludge Disposal – Bidder offers 100% of all sludge will be disposed of at an approved land application site. For evaluation purposes only, the tonnage is based on 7,000 estimated annual wet tons per year.

Bid for Scenario Number 1:

Unit Bid Price \$ 40.90 per wet ton.

Unit Bid Price per wet ton written in words forty dollars and ninety cents.

Minimum Haul and Disposal Charge (see Hauling, item 9) \$ 818.00

Land Application Site permit Please see the attached permit

Company Name Synagro-WWT, Inc Authorized Bidder Signature 
Michael Schwartz, Vice President

Scenario Number 2: Sludge Disposal – Bidder offers 50 % will be disposed of at an approved land application site and 50% will be taken to a residuals management facility and then beneficially reused. For evaluation purposes only, the tonnage is based on 7,000 estimated annual wet tons per year.

Bid for Scenario Number 2:

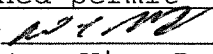
Unit Bid Price \$ 51.90 per wet ton.

Unit Bid Price per wet ton written in words fixty one dollars and ninety cents

Minimum Haul and Disposal Charge (see Hauling, item 9) \$ 818.00

Land Application Site permit Please see the attached permit

Residual Management Facility permit Please see the attached permit

Company Name Synagro-WWT, Inc Authorized Bidder Signature 
Michael Schwartz, Vice President

Scenario Number 3: Sludge Disposal – Bidder offers 100% will be reused as Alternative Daily Cover (ADC) at an approved landfill. The 7,000 estimated annual tons will not exceed regulations for 25% under PRC 42245. For evaluation purposes only, the tonnage is based on 7,000 estimated annual wet tons per year.

Bid for Scenario Number 4:

Unit Bid Price \$ N/A per wet ton.

Bid Price per wet ton written in words _____

Minimum Haul and Disposal Charge (see Hauling, item 9) \$ _____

Landfill permit: _____

Company Name _____ Authorized Bidder Signature _____

BID SHEET page 2 of 3 RFB P15-15 Wastewater Sludge Hauling and Disposal

Scenario Number 4: Sludge Disposal – Bidder offers 100% will be taken to a Residuals Management Facility and reused. For evaluation purposes only, the tonnage is based on 7,000 estimated annual wet tons per year.


Bid Price for Scenario Number 5:

Unit Bid Price \$ 62.90 per wet ton.

Bid Price per wet ton written in words sixty two dollars and ninety cents

Minimum Haul and Disposal Charge (see Hauling, item 9) \$ 1,258.00

Residual Management Facility permit: Please see the attached permit

Company Name Synagro-WWT, Inc. Authorized Bidder Signature 

Michael Schwartz, Vice President

Scenario Number 5: Sludge Disposal – Bidder offers 100% will be in an innovative disposal manner (fire land restoration/forestation, compaction moisture when building landfill cells, reclaiming mining sites, utilized in cement kiln as a renewable alternative to coal) as presented by the bidder in English language backed up by permits that will allow the District to consider the option. For evaluation purposes only, the tonnage is based on 7,000 estimated annual wet tons per year.

Bid Price for Scenario Number 6:

Unit Bid Price \$ N/A per wet ton.

Bid Price per wet ton written in words _____

Minimum Haul and Disposal Charge (see Hauling, item 9) \$ _____

Permit(s): _____

Company Name _____ Authorized Bidder Signature _____

Consideration to award a five-year contract to Denali Water Solutions, LLC for Wastewater Sludge Hauling and Disposal Services

El Dorado Irrigation District

December 14, 2015

Previous Board Action

- * November 9, 2015: The Board adopted the 2016 Mid-Cycle Operating Budget

Board Policies and Administrative Regulations

- * BP 3060 and AR 3061.04, subdivision a., require Board approval for all purchases over \$50,000

Summary of Issues

- * The current contract for sludge hauling and disposal expires December 31, 2015
- * Staff conducted an open bid process for sludge hauling and disposal

Background

- * The El Dorado Hills Wastewater Treatment Plant and Deer Creek Wastewater Treatment Plant generate approximately 7,000 wet tons of biosolids each year by converting organics in the wastewater to microorganisms
- * Microorganisms are processed at the plant to reduce the volume and remove pathogens
- * Biosolids are hauled to a remote location for beneficial reuse



Background

- * Land application
 - * Condition soil
 - * Fertilize crops
- * Stringent requirements
 - * USEPA rule 503



Background

- * Alternative Daily Cover
 - * Landfill
 - * Cover garbage
 - * Litter, vectors, odor



Bidding Process

- * Bid was provided to five firms
 - * McCarthy Family Farms of Bakersfield, CA
 - * Denali Water Solutions of Garden Grove, CA
 - * Biosolids Distribution Services, LLC of Fort Meyers, FL
 - * El Dorado Disposal, Placerville, CA
 - * Synagro-WWT, Inc. of Baltimore, MD
- * Bid posted on the District website
- * Bid posted in the local newspaper
- * Pre-proposal site visits were conducted with three firms

Bidding Process

* Two proposals were received on November 30, 2015

Bidder	Disposal Scenario 1: 100% Land Application	Disposal Scenario 2: 50% Land Application; 50% Beneficial Reuse	Disposal Scenario 3: 100% Alternate Daily Landfill Cover	Disposal Scenario 4: 100% Beneficial Reuse	Disposal Scenario 5: 100% Innovative Disposal
Synagro WWT, Inc.	\$40.90	\$51.90	no bid	\$62.90	no bid
Denali Water Solutions	no bid	\$38.94	no bid	no bid	no bid

Board Decision/Options

- * Option 1: Award a five-year contract to Denali Water Solutions for as-needed wastewater sludge hauling and disposal from the Deer Creek and El Dorado Hills Wastewater Treatment Plants for an estimated contract total of \$1,362,900
- * Option 2: Take other action as directed by the Board
- * Option 3: Take no action

Staff/General Manager's Recommendation

* Option 1



Questions?

EL DORADO IRRIGATION DISTRICT

SUBJECT: Consideration to award a time and material professional services agreement in the not-to-exceed amount of \$127,230 to ArcSine Engineering, and authorize total funding of \$174,305 for the design of the Wastewater SCADA System Reliability Project; Project No.12021.01, RFP15-12.

Previous Board Actions:

- February 10, 2014 – The Board approved additional project funding in the amount of \$33,717.
- October 13, 2015 – The Board adopted the 2016-2020 Capital Improvement Plan (CIP), which included this project, subject to funding availability.

Board Policies (BP), Administrative Regulations (AR), and Board Authority

In accordance with Board Policy 3060 and Administrative Regulation 3061, contracts above \$50,000 require Board approval.

Summary of Issues

The District operates 61 sanitary sewer lift stations within the El Dorado Hills and Deer Creek collection systems. The lift stations are monitored and controlled by a sophisticated SCADA (Supervisory Control and Data Acquisition) and PLC (Programmable Logic Controller) system. This system provides collections operation with automated control, monitoring, alarms and collection of data at each lift station location. Without this functioning system it would be nearly impossible to manage every location with 18 collections staff members. Therefore it is vital to maintain the reliability and performance of the current system through upgrades.

Background

This project will provide the design for the upgrade of 21 lift station PLC systems. Most systems are about 30 years old, 10 years beyond their expected useful life. Spare parts are no longer available. The PLCs are interface units, basically small computers located near mechanical and electrical equipment that relay data from the equipment to the main operating computer, and adjust equipment operating parameters as programmed. The existing PLC systems only provide 10-20% of the monitoring capabilities compared to new PLC systems which can provide up to 30 monitoring points and much more sophisticated control. The existing PLC systems are capable of reporting alarms for only pump failures or wet well levels before reaching critical high water levels. The 21 lift stations are at higher risk of sanitary sewer overflows (SSO) due to the delay and limited alarm reporting.

Each system needs to replace the PLC, radio modems, and operator HMI (Human-Machine Interface) panels. Some systems are also in need of new wetwell level sensors and MCC (Motor Control Center) modifications.

The following is a list the lift stations that need system replacement:

1. Arlette
2. Bar J
3. Bass Lake Village
4. Browns Ravine 1
5. Browns Ravine 2
6. Buckeye
7. Deer Park
8. Diamond Industrial
9. Indian Creek
10. Marina Hills
11. Motherlode
12. North Uplands
13. Oakridge
14. Rancho Ponderosa
15. Starbuck
16. Summit 2
17. Summit 5
18. Summit View 1
19. Thunderhead
20. Waterford 8
21. Waterford 9

The remaining 40 lift stations do not require updating at this time. Additionally, the District has a lift station elimination program, however staff does not anticipate any of these 21 lift stations to have the ability to be eliminated in the near future.

District staff has worked extensively on designing a new standardized PLC system that can be used at any lift station with the same components in the same configuration and same HMI so the operators see the exact same control panel for each location. District staff has installed, tested and verified the standardized PLC system at two lift station locations.

The standardized PLC system consists of the following elements:

- Panel designs for either inside or outside installation
- PLC system with up to 30 monitoring and control points
- A small power backup system
- Exterior panel switches
- Built in HMI panel
- Runtime hour meters
- Operation status lights

Other items that may be replaced at each lift station on an as-needed basis include:

- Telemetry Radio with antennae
- Radio modem
- Motor control center work to integrate PLC system
- Wet well level sensor

Each lift station is unique and will require a separate installation design for the new standardized PLC system. The following is a description of each location and the scope of design needed.

Staff Analysis/Evaluation

Arlette

This site is within a residential front yard. The design will require the smallest foot print possible. There is the possibility to extend the existing concrete pad to match the width of the existing back board. This new system could include the installation of a PLC/MCC combination panel. This site will need a new Pulsar ultrasonic level transmitter installed. This site serves 7 EDU's (equivalent dwelling units) and is located within the Deer Creek WWTP (Wastewater Treatment Plant) collection system. The existing controller is approximately 20 years old.

Bar J

This site has a building and an existing inside MCC panel. A new standardized inside PLC panel and Pulsar ultrasonic level transmitter would be required. This site serves 112 EDU's and is located within the Deer Creek WWTP collection system. The existing controller is approximately 27 years old.

Bass Lake Village

This site has a building and an existing inside MCC panel. A new standardized inside PLC panel and Pulsar ultrasonic level transmitter would be required. This site serves 177 EDU's and is located within the Deer Creek WWTP collection system. The existing controller is approximately 21 years old.

Brown Ravine 1 and 2

This site will require a MCC/PLC combination panel and Pulsar ultrasonic level transmitter installed. Many foot print restrictions exist on this site. The two sites serve 11 EDU's and is located within the El Dorado Hills WWTP collection system. The existing controllers are approximately 30 years old.

Buckeye

This site is in front of an elementary school. There is currently a large outdoor MCC installed. The design will need to determine if the existing panel will be salvaged by installing the PLC panel inside the existing one, or if the panel will be removed and a new MCC/PLC panel will be installed. This site will also need a new Pulsar ultrasonic level transmitter installed. This site serves 6 EDU's and is located within the Deer Creek WWTP collection system. The existing controller is approximately 30 years old.

Deer Park

This site has a building and an existing inside MCC panel. A new standardized inside PLC panel would be required. This site serves 80 EDU's and is located within the Deer Creek WWTP collection system. The existing controller is approximately 29 years old.

Diamond Industrial

This site will require an outside MCC/PLC combination panel and a new Pulsar ultrasonic level transmitter installed. This site serves 96 EDU's and is located within the Deer Creek WWTP collection system. The existing controller is approximately 34 years old.

Indian Creek

This site has a building and an existing inside MCC panel. A new standardized inside PLC panel would be required. This site serves 105 EDU's and is located within the Deer Creek WWTP collection system. The existing controller is approximately 27 years old.

Marina Hills

This site has a building and an existing inside MCC panel. A new standardized inside PLC panel and Pulsar ultrasonic level transmitter would be required. This site serves 75 EDU's and is located within the El Dorado Hills WWTP collection system. The existing controller is approximately 20 years old.

Motherlode

This site will require an outside PLC panel to be mounted in close proximity to the existing MCC panel. This site will also need a new Pulsar ultrasonic level transmitter installed. This site serves 16 EDU's and is located within the Deer Creek WWTP collection system. The existing controller is approximately 37 years old.

North uplands

This site has a building and an existing inside MCC panel. A new standardized inside PLC panel and Pulsar ultrasonic level transmitter would be required. This site serves 381 EDU's and is located within the El Dorado Hills WWTP collection system. The existing controller is approximately 21 years old.

Oakridge

This site has a limited foot print. The design will consider an outside MCC/PLC combination panel. This site will also need a new Pulsar ultrasonic level transmitter installed. This site serves 12 EDU's and is located within the El Dorado Hills WWTP collection system. The existing controller is approximately 35 years old.

Rancho Ponderosa

This site will be an outside installed MCC panel and will need a new Pulsar ultrasonic level transmitter installed. This site serves 16 EDU's and is located within the Deer Creek WWTP collection system. The existing controller is approximately 30 years old.

Starbuck

This site will need an outside free standing PLC panel and a new Pulsar ultrasonic level transmitter installed. This site serves 33 EDU's and is located within the Deer Creek WWTP collection system. The existing controller is approximately 37 years old.

Summit 2

This site will need a new standardized inside PLC panel and a new Pulsar ultrasonic level transmitter installed. This site serves 6 EDU's and is located within the El Dorado Hills WWTP collection system next to Lake Folsom. The existing controller is approximately 27 years old.

Summit 5

This site will need a new standardized inside PLC panel and new Pulsar ultrasonic level transmitter installed. This site serves 19 EDU's and is located within the El Dorado Hills WWTP collection system next to Lake Folsom. The existing controller is approximately 27 years old.

Summit View 1

The MCC is currently split into two panels and has space limitations. This site will need a new standardized inside PLC panel and new Pulsar ultrasonic level transmitter installed. This site serves 64 EDU's and is located within the Deer Creek WWTP collection system. The existing controller is approximately 34 years old.

Thunderhead

This site will need a new standardized inside PLC panel and new Pulsar ultrasonic level transmitter installed. This site serves 10 EDU's and is located within the Deer Creek WWTP collection system. The existing controller is approximately 36 years old.

Waterford 8

This site will need a new standardized inside PLC panel installed. This site serves 215 EDU's and is located within the El Dorado Hills WWTP collection system. The existing controller is approximately 27 years old.

Waterford 9

This site will need a new standardized inside PLC panel installed. This site serves 608 EDU's and is located within the El Dorado Hills WWTP collection system. The existing controller is approximately 27 years old.

To capture the economy of scale, the design of the 21 lift station installations are grouped together into one package. This will reduce costs for both design and construction.

A request for proposals (RFP) was issued for the design of this project in September, 2015. A pre-proposal job walk was conducted in late September, and was attended by several of the proposing consultants. In response to the RFP, proposals were received on October 9, 2015 from four consulting firms. The proposals were reviewed by engineering and operations staff based on the responsiveness to the RFP.

The design proposals received are as follows:

<u>Name of Company</u>	<u>Proposal Cost</u>
Arc Sine Engineering	\$127,230
A-Teem Electrical Engineering Inc.	\$121,000
Frisch Engineering Inc.	\$ 73,390
HydroScience Engineers Inc.	\$268,710

In accordance with applicable law and District policies and regulations, the selection of design consultants for professional services can be based on qualifications (in addition to price). The proposals were reviewed by District engineering and operations staff. Staff agreed that Arc Sine Engineering (consultant) clearly has extensive experience with PLC system designs and is the best selection to design the project. The consultant was selected based on the following:

- Ability to manage multiple site specific design constraints
- Previous experience with managing design projects that have a multiple locations of construction
- A very thorough proposal which included detailed information on opportunities and constraints of the design and each existing site condition
- Sufficient hours to perform the design and competitive hourly rates
- A well-defined quality assurance program
- Clear understanding of transitioning from the old PLC system to the new PLC systems to mitigate potential SSOs.
- Ability to design the project in the RFP-specified time period so that construction can take place in 2016 during the low flow dry weather season.
- Delivering projects on time and within budget

Environmental Review

As the designs are developed, the District's environmental compliance staff will evaluate the projects for compliance under the California Environmental Quality Act (CEQA) and obtain the required approvals. At this time, it is anticipated the work will be performed under an exemption. The environmental approvals will be presented to the Board with the award of the construction contract for this work.

Consequences of Delaying the Project

Project prioritization and deferral, when appropriate, are considered as part of staff's analysis of any project under review and development. The implications of postponing the project have been analyzed related to the regulatory, operational, and financial framework described below.

There is the potential for increased operational cost and increased possibility of regulatory fines if the project is delayed. The PLC systems have reached their useful life, and therefore require more maintenance and repair. Obtaining replacement parts is no longer possible and requires manually salvaging parts from decommissioned systems, if available. This increases both labor costs and equipment costs to repair failed equipment. With limited staff and lean operating budgets, this has a significant impact on resources.

The financial exposure to the District is potential regulatory fines associated with a SSO from the lift stations. Some lift stations are located near lakes, streams and residential areas which could be impacted by a SSO. The Regional Water Quality Control Board and California Fish and Wildlife Services could impose fines if there is an SSO. The State Water Board system for fines includes a per gallon charge as high as \$10 if waters of the State are impacted by raw sewage plus the cost of the capital project if deferred maintenance is the root cause of the failure.

Funding

This project is included in the 2016-2020 CIP. The project will be funded 100% from wastewater rates.

Total estimated project funding required at this time includes:

Design - Arc Sine Engineering	\$127,230
Capitalized labor for project administration	\$ 40,575
Contingency (10%)	\$ 16,500
<u>Current project balance</u>	<u>(\$ 10,000)</u>
Total funding requested	\$174,305

Board Decisions/Options:

Option 1: Award a time and material professional services agreement in the not-to-exceed amount of \$127,230 to ArcSine Engineering, and authorize total funding of \$174,305 for the design of the Wastewater SCADA System Reliability Project; Project No. 12021.01, RFP15-12.

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

Option 3: Take no action.

Staff/General Manager's Recommendation

Option 1

Support Documents Attached

Attachment A CIP Summary Sheet

Attachment B Arc Sine Engineering cost proposal

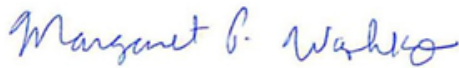


Tim Sullivan
Senior Engineer



for

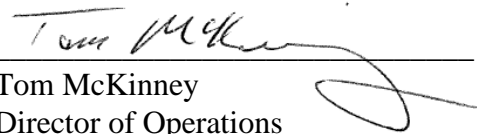
Elizabeth Wells
Engineering Manager



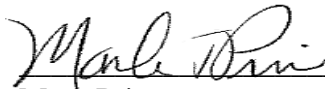
Margaret Washko
Operations Manager



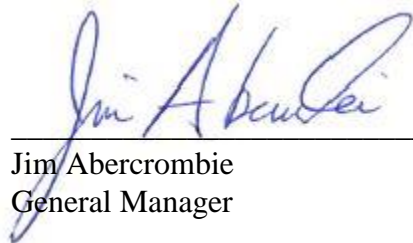
Brian Mueller
Director of Engineering



Tom McKinney
Director of Operations



Mark Price
Director of Finance



Jim Abercrombie
General Manager

2016

CAPITAL IMPROVEMENT PLAN Program:

Wastewater

Project Number: 12021
Project Name: Wastewater SCADA System Reliability Program
Project Category: Reliability & Service Level Improvements
Priority: 2 **PM:** Sullivan **Board Approval:** 10/13/15

Project Description:

This project will replace (21) PLC/RTUs and add the required monitoring equipment (instrumentation) at the following lift stations: Arlette, Bar J, Bass Lake Village, Browns Ravine 1, Browns Ravine 2, Buckeye, Deer Park, Diamond Industrial, Indian Creek, Marina Hills, Motherlode, North Uplands, Oakridge, Rancho Ponderosa, Starbuck, Summit 2, Summit 5, Summit View 1, Thunderhead, Waterford 8, Waterford 9. This list is subject to change pending lift station(s) that may be upgraded separately under a different CIP.

In 2013 and 2014 staff went through an extensive process to define a standardized PLC system setup for all lift stations. Two PLCs were installed in late 2013 and 2014 by staff to wring out the process for planning future installations. 2015-2016 will see a significant catch up effort to address deferred upgrades of existing out-of-date PLCs used extensively for process control in the collection systems. The existing PLCs are now about 30 years old and 10 years beyond their expected useful life. Additionally, these PLCs only provide 10-20% of the monitoring capabilities compared to current standard PLC's (3 to 5 monitoring points versus 30) meaning these facilities have no ability to report pump failures or incrementally report on wet well levels before reaching the high water limit. Also, they can go up to 24 hours before alerting of a communications or control issue, while current standard PLCs will alert within 5 minutes (a 288% increase in time to detect issues proactively). Locating replacement parts and technical support for the old PLCs is nearly impossible.

This project also includes professional services funding to design the electrical and mechanical elements for installation and integration of the PLCs into the facilities and outside construction to install the new PLC systems.

Basis for Priority:

End of Life cycle replacement for PLCs / radios controlling wastewater collections. These units are 10 years beyond end of life (15 years in some cases) and require above normal maintenance attention. The District struggles with finding parts and keeping these units in service. The SCADA Group highly recommends immediate replacement to significantly reduce the risks of sanitary sewer overflows (SSO).

Project Financial Summary:

Funded to Date:	\$ 83,717	Expenditures through end of year:	\$ 908,792
Spent to Date:	\$ 58,792	2016 - 2020 Planned Expenditures:	\$ 1,500,000
Cash flow through end of year:	\$ 850,000	Total Project Estimate:	\$ 2,408,792
Project Balance	\$ (825,075)	Additional Funding Required	\$ 2,325,075

Description of Work	Estimated Annual Expenditures					Total
	2016	2017	2018	2019	2020	
Design						\$ -
Installation	\$ 700,000	\$ 800,000				\$ 1,500,000
						\$ -
TOTAL	\$ 700,000	\$ 800,000	\$ -	\$ -	\$ -	\$ 1,500,000

Funding Sources	Percentage	2016	Amount
Wastewater Rates	100%		\$1,525,075
			\$0
			\$0
Total	100%		\$1,525,075

Funding Comments:

Form 1 – Proposal Design Cost Computation Worksheet

Cost for Personnel:

The proposal shall include necessary qualified staff as described in the above sections. The project may require additional work requiring authorization by the District and shall be paid at the hourly rate¹ for each position as provided in the worksheet below. Proposals must be submitted with this worksheet completed. Failure to complete this worksheet may disqualify the proposal.

Position	Name	Hourly Rate	Estimated Number * of Hours	Cost (\$US)
Project Manager	Doug McHaney	\$199	90	\$17,910
Project Engineer	Brian Reid	\$125	360	\$45,000
Senior SCADA Engineer	Steve Stewart	\$150	16	\$ 2,400
Control Systems Engineer	Vern McHaney	\$155	10	\$ 3,100
SCADA Engineer	Mike Costa	\$125	20	\$ 2,000
Field Engineer/Reviewer	Sonny Bramley	\$125	100	\$12,250
Design Engineer/Reviewer	Chris Heidl	\$125	100	\$12,500
Technician	Various	\$85	28	\$ 2,380
Drafting	Various	\$85	274	\$23,290
Clerical	Various	\$80	80	\$ 6,400
Total Cost				\$127,230

*Hours are for Tasks 1, 2, 3, 4 (design through bid)

¹ Cost per hour must include profit and overhead to cover costs and other expenses as listed in Section VII B.



**Consideration of Award of a
Professional Services Agreement
for the design of the
Wastewater SCADA System
Reliability Project**

December 14, 2015



Previous Board Actions

- February 10, 2014 – The Board approved additional project funding in the amount of \$33,717
- October 13, 2015 - The Board adopted the 2016-2020 Capital Improvement Plan (CIP), which included this project, subject to funding availability

Board Policies and Administrative Regulations and Board Authority

- In accordance with Board Policy 3060 and Administrative Regulation 3061, contracts above \$50,000 require Board approval

Summary of Issues

- The District operates 61 sewer lift stations within the El Dorado Hills and Deer Creek collection systems
- SCADA systems provide operations with remote automated control, monitoring, alarms and collection of data at each lift station location
- 21 are monitored and controlled by out of date PLC systems

Background

- 21 of the PLC systems are about 30 years old
- Existing PLC systems provide limited monitoring capabilities
- New PLC systems can provide up to 30 monitoring points
- New PLC system can remotely alert operations with more precise alarm information which can reduce the potential for SSO's by prioritizing and properly dispatching repairs crews

Lift Stations

- At each lift station the PLC, antennae, radio modems, and operator HMI (Human-Machine Interface) panels need to be installed or replaced
- Some lift stations are in need of new wetwell level sensors and MCC (Motor Control Center) modifications
- Existing panel have high voltage creating safety issues when being serviced

21 Lift Stations

Arlette

Motherlode

Waterford 9

Bar J

North Uplands

Bass Lake Village

Oakridge

Browns Ravine 1

Rancho Ponderosa

Browns Ravine 2

Starbuck

Buckeye

Summit 2

Deer Park

Summit 5

Diamond Industrial

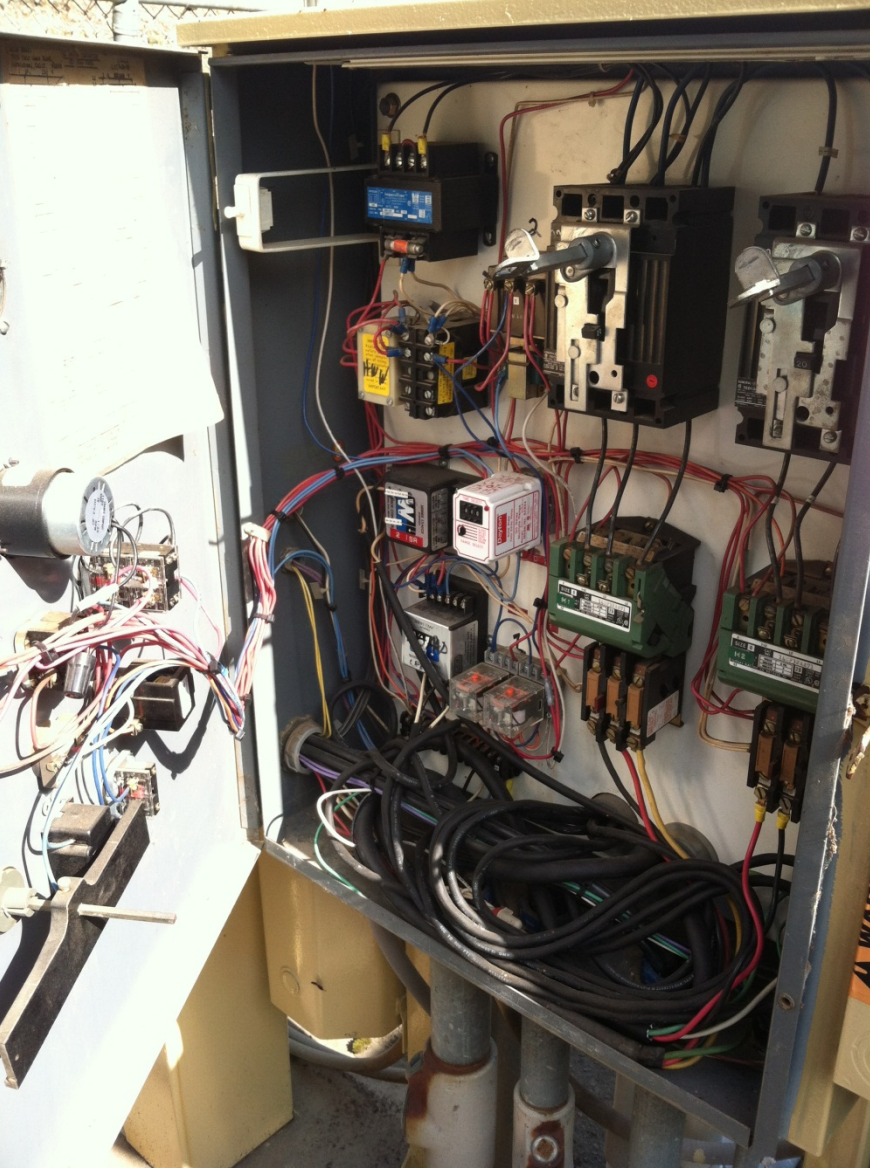
Summit View 1

Indian Creek

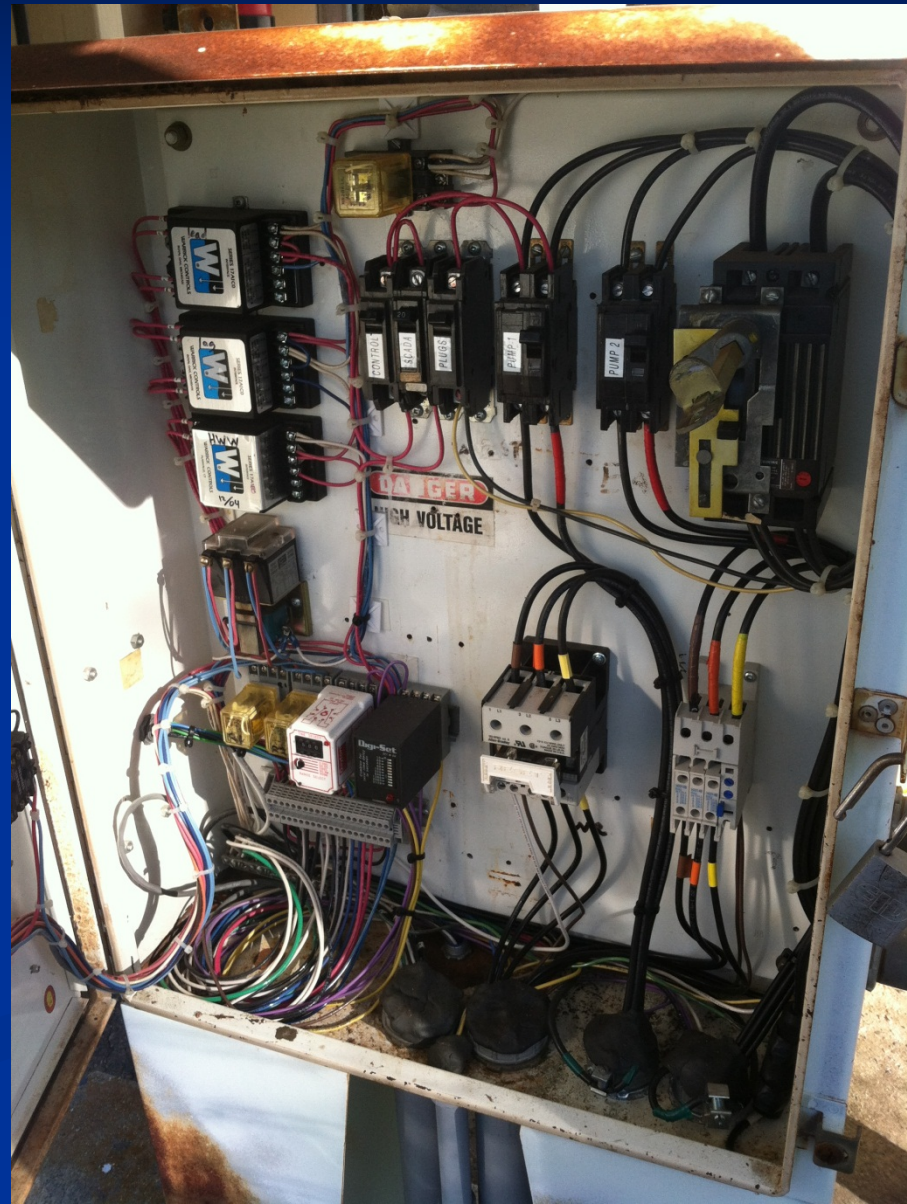
Thunderhead

Marina Hills

Waterford 8



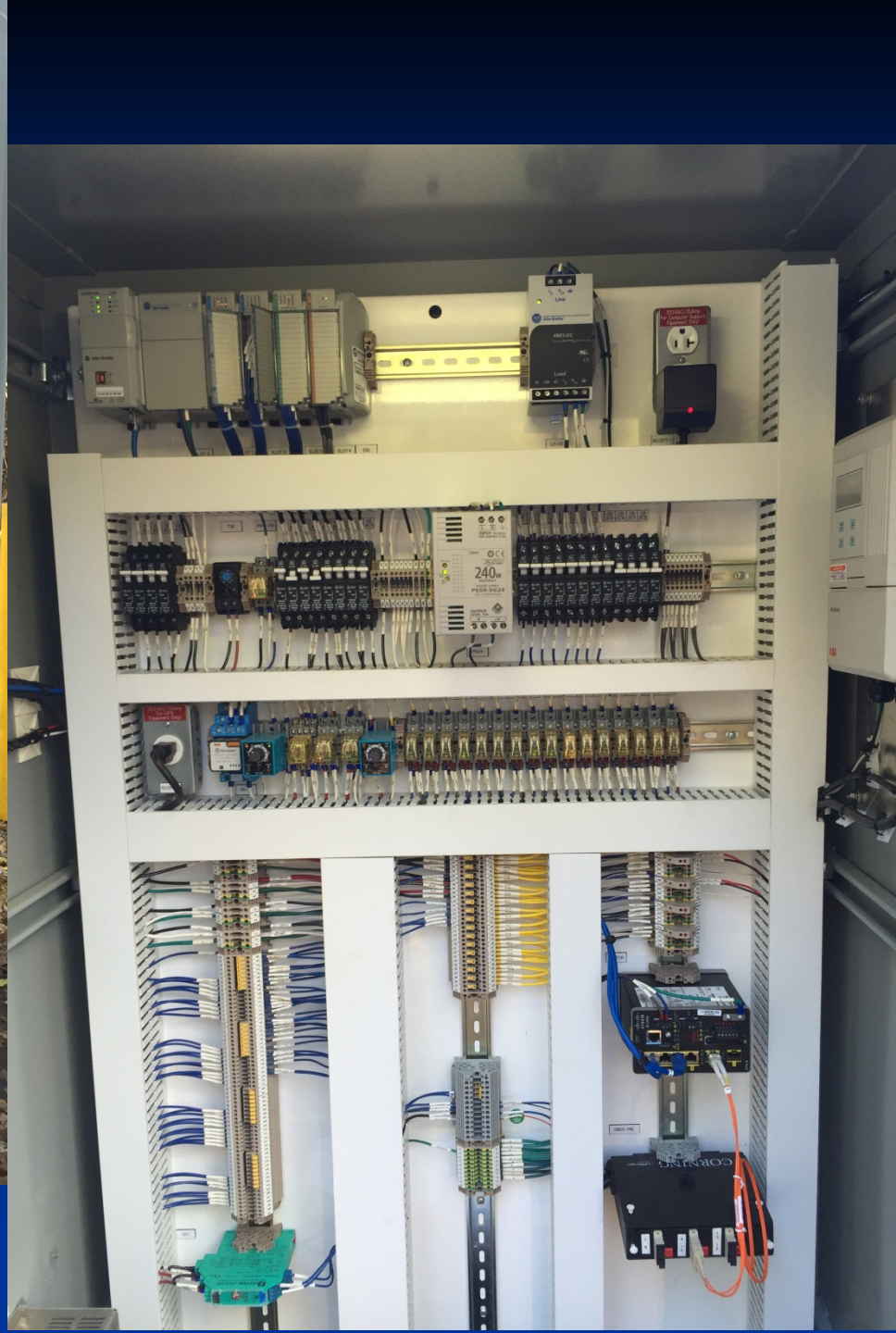
Oak Ridge LS



Summit View 1 LS

PLC system Standardization

- District staff has worked extensively on designing a new standardized PLC system
- The new PLC system can be used at any lift station
- Operators see the exact same control panel for each location
- Reduction of spare parts
- Fast replacement of failed components
- District staff installed, tested and verified the standardized PLC system at two lift station locations
- All interior components are low voltage for better safety



New PLC System

Staff Analysis/Evaluation

- An electrical engineer is needed for this design
- Design, and later construction, of the 21 lift station installations capture the economy of scale reducing costs for both design and installation

Bidding Process

- RFP issued September 18, 2015
- Pre-proposal site visit September 24, 2015
- Four proposals were received on October 9, 2015

<u>Name of Company</u>	<u>Proposal Cost</u>
Arc Sine Engineering	\$127,230
A-Teem Electrical Engineering Inc.	\$121,000
Frisch Engineering Inc.	\$ 73,390
HydroScience Engineers Inc.	\$268,710

Proposal Selection

- Applicable law, District policies and regulations provide the selection of design consultants for professional services can be based on qualifications (in addition to price)
- District engineering and operations staff agree that Arc Sine Engineering clearly has extensive experience with PLC system designs and is the best selection to design the project

Proposal Selection

ArcSine was selected based on the following:

- Ability to manage multiple site specific design constraints
- Previous experience with managing design projects that have multiple locations of construction
- Thorough proposal which included detailed information on opportunities and constraints of the design and each existing site condition
- Sufficient hours to perform the design and competitive hourly rates

Proposal Selection

- A well-defined quality assurance program
- Clear understanding of transitioning from the old PLC system to the new PLC systems to mitigate potential SSOs
- Ability to design the project in the RFP specified time period so that construction can take place in 2016 during the low flow dry weather season
- Delivering projects on time and within budget

Environmental Review

- As the designs are developed, the District's environmental compliance staff will evaluate the projects for compliance under CEQA and obtain the required approvals
- At this time, it is anticipated the work will be performed under an exemption

Consequences of Delaying the Project

- PLC systems have reached their useful life
- Increased maintenance and repair frequency and costs
- Significant impact on resources due to limited staff and lean operating budgets
- Increased possibility of regulatory fines associated with a SSO from the lift stations
- Some lift stations are located near lakes, streams and residential areas which could be impacted by a SSO
- Stiff fines if deferred maintenance is the root cause of the failure / SSO

Funding

Total estimated project funding required includes:

Design - Arc Sine Engineering	\$127,230
Capitalized labor for project administration	\$ 40,575
Contingency (10%)	\$ 16,500
<u>Current Project balance</u>	<u>(\$ 10,000)</u>
Total funding requested	\$174,305

Board Decisions/Options

Option 1: Award a time and material professional services agreement in the not-to-exceed amount of \$127,230 to ArcSine Engineering, and authorize total funding of \$174,305 for the design of the Wastewater SCADA System Reliability Project, Project No.12021.01, RFP15-12.

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

Option 3: Take no action.

Staff/General Manager's Recommendation

Option 1

Questions

EL DORADO IRRIGATION DISTRICT

SUBJECT:

Consideration of compensation and term amendments to General Manager's and General Counsel's employment contracts.

Board Action:

- October 1, 2002 – The General Counsel's employment contract became effective. The Board has amended it ten times since.
- August 10, 2009 – The General Manager's employment contract became effective. The Board has amended it three times since.

Board Policies (BP), Administrative Regulations (AR), and Board Authority:

BP 2010 – The General Manager and General Counsel are appointed by the Board of Directors and serve at the Board's pleasure.

Summary of Issue:

In connection with the Board's annual evaluation of the General Manager's and General Counsel's job performances, the General Manager and General Counsel request amendments of their respective employment contracts.

The General Manager requests a 5% merit increase and a 5% market/equity increase in salary. Combined, these increases would put his salary about 13% below both comparable regional agencies' General Manager pay scales, and 9% below a nationwide benchmark established by the American Water Works Association (AWWA). Additionally, the General Manager requests an extension of the contract term from its current expiration date of September 7, 2016 to December 31, 2018.

The General Counsel requests a 5% merit increase and a 3.7% market/equity increase in salary. Combined, these increases would put his salary at 95% of the General Manager's, about 15% below comparable regional agencies' pay scales for in-house counsel, and about 3% below the AWWA nationwide benchmark. The General Counsel also requests an extension of the contract term from its current expiration date of September 30, 2016 to December 31, 2016.

Staff Analysis/Evaluation:

The Board will hold closed sessions at its December 14, 2015 regular meeting to evaluate the General Manager's and General Counsel's job performances. If those evaluations are favorable, the General Manager and General Counsel request that the Board consider increasing the salaries and extending the terms of their respective employment contracts.

General Manager

The General Manager's contract became effective August 8, 2009. It has been amended three times. The first two amendments extended the term, but did not change the salary. The second amendment, however, decreased his total compensation – at his request – by eliminating a portion of his contractual health-care benefit to make it correspond to what all other employees receive. The third amendment provided a 5% merit increase and 1% cost-of-living adjustment (COLA) effective January 1, 2013, and authorized annual COLAs thereafter equal to what all other EID employees receive (0.8% in 2014, 1.5% in 2015, and 0% in 2016).

The General Manager's contract is currently set to expire on September 7, 2016. The annual salary under the contract is currently \$179,028. In 2013, however, the General Manager waived a portion of his contractual pension benefit, so that he now – like all District employees – pays the full employee contribution to the pension fund (8% of his salary). Prior to 2013, the District paid his entire employee contribution. As a result, the General Manager's total compensation today is less than when he was hired in 2008.

The Human Resources Manager recently conducted a salary survey that compared the District's executive management salary schedules to comparable local agencies and to the nationwide AWWA benchmarks. The results for the General Manager and General Counsel (attached) show that the General Manager's maximum base salary is 79% of comparable agencies and 81% of the nationwide AWWA benchmark.

The General Manager is requesting a 5% merit increase and a 5% market/equity increase to his annual salary. These increases would set the annual salary at \$196,931, or 87% and 91% of the regional and nationwide comparisons, respectively. The General Manager also requests an extension of the contract term to December 31, 2018.

General Counsel

The General Counsel's contract became effective October 1, 2002. It has been amended ten times. Seven of the amendments extended the contract term. Most recently, the tenth amendment provided a 3.8% merit increase, a 1% COLA effective January 1, 2013, and annual COLAs thereafter. The last salary increase before those was on January 1, 2008.

The General Counsel's contract is currently set to expire on September 30, 2016. The current salary under the contract is \$172,056. In 2013, however, the General Counsel likewise reduced his overall compensation by voluntarily waiving a portion of his pension benefit, so that he now pays the full employee contribution to the pension fund (8% of his salary). Prior to 2013, the District paid his entire employee contribution. As a result, the General Counsel's total compensation today is less than it was in 2008.

In 2009, the District's approved classification and compensation system set the General Counsel's salary range at 95% of the General Manager's. The Human Resources Manager's salary survey found that the General Counsel's maximum base salary is 78% of comparable agencies, although only two comparable agencies have in-house counsel, and it is 89% of the nationwide AWWA benchmark.

The General Counsel is requesting a 5% merit increase and a 3.7% equity increase to his annual salary, to make it 95% of the General Manager's. These increases would set the annual salary at \$187,084, or 85% and 97% of the regional and nationwide comparisons, respectively. The General Counsel also requests an extension of the contract term to December 31, 2016.

The General Counsel has prepared draft amendments to the contracts for the Board's consideration, and they are attached. Both employment contracts and all prior amendments are public documents, available upon request.

Board Decisions/Options:

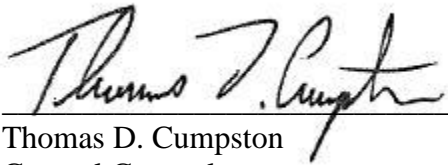
- Option 1:** Approve requested amendments to the General Manager's and General Counsel's employment contracts providing 5% merit increases to both and 5% and 4% equity increases, respectively, and extending their expiration dates to December 31, 2018 and December 31, 2016, respectively.
- Option 2:** Take other action as directed by the Board.
- Option 3:** Take no action.

Staff/General Manager's Recommendation:

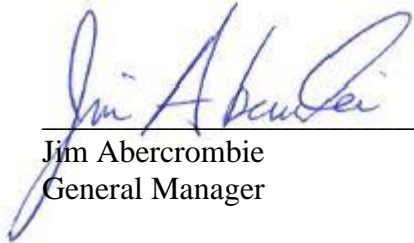
Board preference.

Attachments:

- Attachment A. November 2015 EID Executive Survey Base Salary Results (GM and GC only)
- Attachment B. Draft Fourth Amendment to General Manager's contract in redline format
- Attachment C. Draft Eleventh Amendment to General Counsel's contract in redline format



Thomas D. Cumpston
General Counsel



Jim Abercrombie
General Manager

2015 EID Executive Survey
Base Salary Results

EID Classification Match to Survey	EID Maximum Base Salary	Merced Irrigation District (MID) Maximum Base Salary	% EID is Above / Below MID	Nevada Irrigation District (NID) Maximum Base Salary	% EID is Above / Below NID	Placer County Water Agency (PCWA) Maximum Base Salary	% EID is Above / Below PCWA	Modesto Irrigation District (MID ²) Maximum Base Salary	% EID is Above / Below MID ² Max Hydro Salary	Turlock Irrigation District (TID) Maximum Base Salary	% EID is Above / Below TID Max Hydro Salary	South Tahoe Public Utility District (STPUD) Maximum Base Salary	% EID is Above / Below STPUD Maximum Base Salary
General Manager	14,919.05	19,272.21	0.77	15,203.07	0.98	18,742.19	0.80	26,123.06	0.57	18,103.00	0.82	17,684.27	0.84
General Counsel	14,338.00	17,520.19	0.82	-	-	-	-	21,491.60	0.67			-	-

EID Classification Match to Survey	EID Maximum Base Salary	City of West Sacramento (SAC) Maximum Base Salary	% EID is Above/Below SAC	Tahoe City Public Utility District (TCPUD) Maximum Base Salary	% EID is Above/Below TCPUD	American Water Works Association (AWWA) 2015 Survey Maximum Base Salary	% EID is Above / Below 2015 AWWA Survey
General Manager	14,919.05	20,000.00	0.75	17,220.13	0.87	17,989.91	0.83
General Counsel	14,338.00	-	-			16,055.42	0.89

	MEAN of Comparable Max Base Salary	MEDIAN of Comparable Max Base Salary	% EID is Above / Below MEAN Max Salary Survey
General Manager	18,926.43	18,103.00	0.79
General Counsel	18,355.74	17,520.19	0.78

Except as expressly amended herein, all terms and conditions of the employment agreement effective August 10, 2009, as previously amended, remain in full force and effect. This Fourth Amendment is effective January 1, 2016.

IN WITNESS WHEREOF, the parties have executed this Fourth Amendment.

James M. Abercrombie
General Manager

_____, President
Board of Directors

Except as expressly amended herein, all terms and conditions of the August 15, 2002 employment agreement, effective October 1, 2002, as previously amended, remain in full force and effect. This Eleventh Amendment is effective January 1, 2016.

IN WITNESS WHEREOF, the parties have executed this Eleventh Amendment.

Thomas D. Cumpston
General Counsel

_____, President
Board of Directors