



AGENDA
REGULAR MEETING OF THE BOARD OF DIRECTORS
EL DORADO IRRIGATION DISTRICT
District Board Room, 2890 Mosquito Road, Placerville, California
March 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

Mary Lynn Carlton,
Communications/Customer Service

Jose Perez, Human Resources

Tom McKinney, Operations

Brian Mueller, Engineering

Mark Price, Finance

**Tim Ranstrom, Information
Technology**

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

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 February 17 and February 24, 2015, and Employee Expense Reimbursements for these periods. There are no Board 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 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 February 23, 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 Nos. 2014-011 and 2014-023, to maintain emergency declarations.

Option 1: Ratify Resolution Nos. 2014-011 and 2014-023 (*thus maintaining both emergency declarations for purposes of bidding, contracting, and CEQA compliance*).

Option 2: Decline to ratify Resolution Nos. 2014-011 and/or 2014-023 (*thus terminating one or both emergency declarations for purposes of bidding, contracting and CEQA compliance*).

Option 3: Take no action (*thus terminating both emergency declarations for purposes of bidding, contracting and CEQA compliance*).

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

4. Operations (Strahan)

Consideration for the purchase of a Ditch Witch Vacuum Excavator from Ditch Witch Equipment Co., Inc. in West Sacramento in the amount not-to-exceed \$ 75,397.10.

Option 1: Approve the purchase of a Ditch Witch Vacuum Excavator from Ditch Witch Equipment Co., Inc. in West Sacramento in the amount not-to-exceed \$ 75,397.10.

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

Option 3: Take no action.

Recommended Action: Option 1.

5. Finance (Pasquarello)

Resolution Certifying Signatures on the District's El Dorado Savings Bank Checking Account.

Option 1: Adopt resolution certifying signatures for the El Dorado Savings Bank checking account.

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

Option 3: Take no action.

Recommended Action: Option 1.

6. Engineering (T. Sullivan)

Consideration to award a contract to Global Power Group for the purchase of five stationary generators to be installed at water and wastewater facilities in the not-to-exceed amount of \$227,000, plus tax. Authorize total funding of \$44,730 for Project No. 13008.01 and \$45,880 for Project No. 12012.01 to supplement the current funding balance of \$236,374.

Option 1: Award a contract to Global Power Group for the purchase of five stationary generators to be installed at water and wastewater facilities in the not-to-exceed amount of \$227,000, plus tax. Authorize total funding of \$44,730 for Project No. 13008.01 and \$45,880 for Project No. 12012.01 to supplement the current funding balances of \$236,374.

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

Option 3: Take no action.

Recommended Action: Option 1.

END OF CONSENT CALENDAR

WORKSHOP ITEMS

7. Engineering (Mueller)

Review of the District's Drought Action Plan.

Recommended Action: None – Information only.

DIRECTOR ITEMS

8. Board of Directors (George)

Consideration to vote for two El Dorado Local Agency Formation Commission (LAFCO) Regular Special District Members and one Alternate Special District Member.

Option 1: Concur with the Board President's decision to vote for Director Dale Coco, M.D. as a Regular Special District Member to the El Dorado County LAFCO, and the President's alternative choices.

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 54956.8 (Cumpston)

Conference with Real Property Negotiators – Real Property Negotiations pursuant to Government Code Section 54956.8.

Properties: Central Valley Project Water Service Contract No. 14-06-200-1357A-LTR1;
Warren Act Contract No. 06-WC-20-3315

District negotiators: General Manager, General Counsel, Tully & Young, Inc.
Under negotiation: price and terms of payment for one-year water transfers
Negotiating parties: Any interested party

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

Conference with Senior Deputy General Counsel – Significant exposure to litigation pursuant to Government Code Section 54956.9(d)(2); one potential case (termination of Excavating Engineers on Camp 2 Bridge Replacement Project)

REVIEW OF ASSIGNMENTS

Board direction to staff

ADJOURNMENT

TENTATIVELY SCHEDULED ITEMS FOR FUTURE MEETINGS

Engineering

- Consideration to approve a reimbursement agreement with Renasci Development for the installation of collection system infrastructure that will allow the abandonment of the Ridgeview 10 lift station, Action Item, regular Board meeting, March 23 (T. Sullivan)
- Consideration to award a single-source purchase of collection system flow monitors, Action Item, regular Board meeting, March 23 (T. Sullivan)
- Consideration to award a construction contract for the rehabilitation of the Moose Hall pump Station, Action Item, regular Board meeting, April (Rice)

Office of the General Counsel / Engineering

- Review of the history and purpose of the El Dorado Water & Power Authority (EDWPA), water supply benefits and agency responsibilities under the SMUD-El Dorado Cooperation Agreement, and relationship of the EDWPA water rights project to the District's and County Water Agency's long-range water supply planning, Information Item, regular Board meeting, March 23 (Cumpston/Mueller)

El Dorado Irrigation District
March 9, 2015
Board Meeting
Communications - General Manager

1) Awards and Recognitions

- a) Congratulations, **Jenny Downey**. Jenny has been promoted to the position of Customer Service Manager in the Customer Service Division.
- b) Welcome to the District, **Tracey Eden-Bishop**. Tracey has been hired as a replacement to the position of Associate Civil Engineer in the Engineering Department.
- c) Welcome to the District, **Ryan Fortin**. Ryan has been hired as a replacement to the position of Wastewater Treatment Plant Operator III in the Wastewater/Recycled Water Division.
- d) Welcome to the District, **Lindsey Harwood**. Lindsey has been hired as a replacement to the position of Finance Assistant I in the Customer Service Division.
- e) Welcome to the District, **Judy Calvert**. Judy has been hired as a replacement to the position of Payroll Technician in the Human Resources Department.

2) Staff Reports and Updates

- a) District Receives Grant from El Dorado County Sheriff's Office of Emergency Operations Center to Fund Laptop Computers for the District's Emergency Operations Center – Summary by Jose Perez
- b) Drought Update and Conservation Progress – Summary by Brian Mueller

**General Manager's Report
March 9, 2015**

District Receives Grant from El Dorado County Sheriff's Office of Emergency Operations Center to Fund Laptop Computers for the District's Emergency Operations Center

On January 27, 2015 the El Dorado County Sheriff's Office of Emergency Services (OES) awarded EID a \$5,943 grant to fund the replacement cost for seven laptop computers utilized during emergencies and natural disasters with the District's Emergency Operations Center. The existing laptops, which were grant funded in 2009, are at their end of life and the operating systems are no longer supported.

The laptop computers are important to the District as resources to help support the El Dorado County operational area during emergencies and in times of major service disruptions for District operations. In addition, the District is designated in the County's Emergency Operations Plan to serve as the alternate Emergency Operations Center if County facilities were unavailable.

Ronald Kilburg, a member of the District's Human Resources-Safety/Security Department, prepared and presented a needs assessment to the County during the Approval Authority meeting held on January 27, 2015. Mr. Kilburg's report identified existing equipment deficiencies, potential impacts, and a persuasive justification to award grant funding to the District; therefore, the Authority awarded the grant. This grant will enable the District to remain fully prepared for emergencies and disasters, and support our County operational areas in times of need.

The El Dorado County Sheriff's OES and Approval Authority member's on-going commitment to providing grant funding to EID demonstrates the important relationship with our partner agency, the quality of the District's grant application, and staff efforts. Staff continues a commitment toward emergency preparedness, and vigilantly pursues cost efficiencies to benefit the public and District customers.

**General Manager's Report
March 9, 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.

As of February 25, 2015 cumulative conservation for water customers was 16%. Conservation for the week of February 19–February 25 was 12%.

For recycled water customers, cumulative conservation was -13%. Conservation for the week of February 19–February 25 was 12%.

	2015 vs 2013* Weekly Conservation %	2015 vs 2013* YTD Conservation %
Potable Conservation	12%	16%
Recycled Conservation	12%	-13%
<i>*2013 baseline per State Water Board and RWA standard</i>		

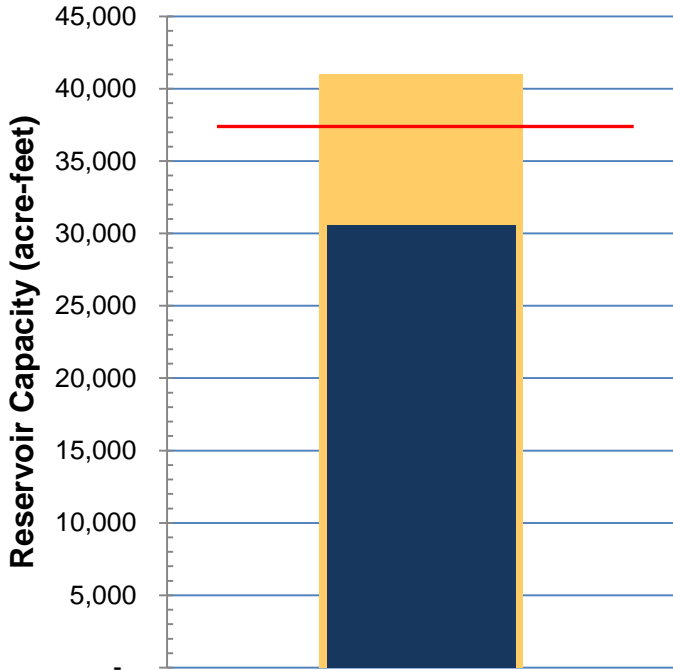
Attachments

- A. Drought and conservation charts

Jenkinson Lake at Sly Park

Reservoir Conditions

(as of March 4, 2015)



Current Level: 30,579 AF

75%

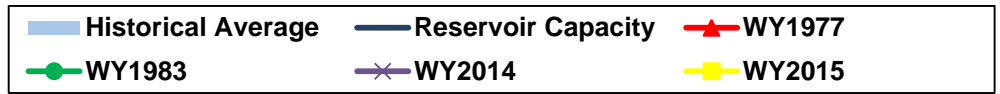
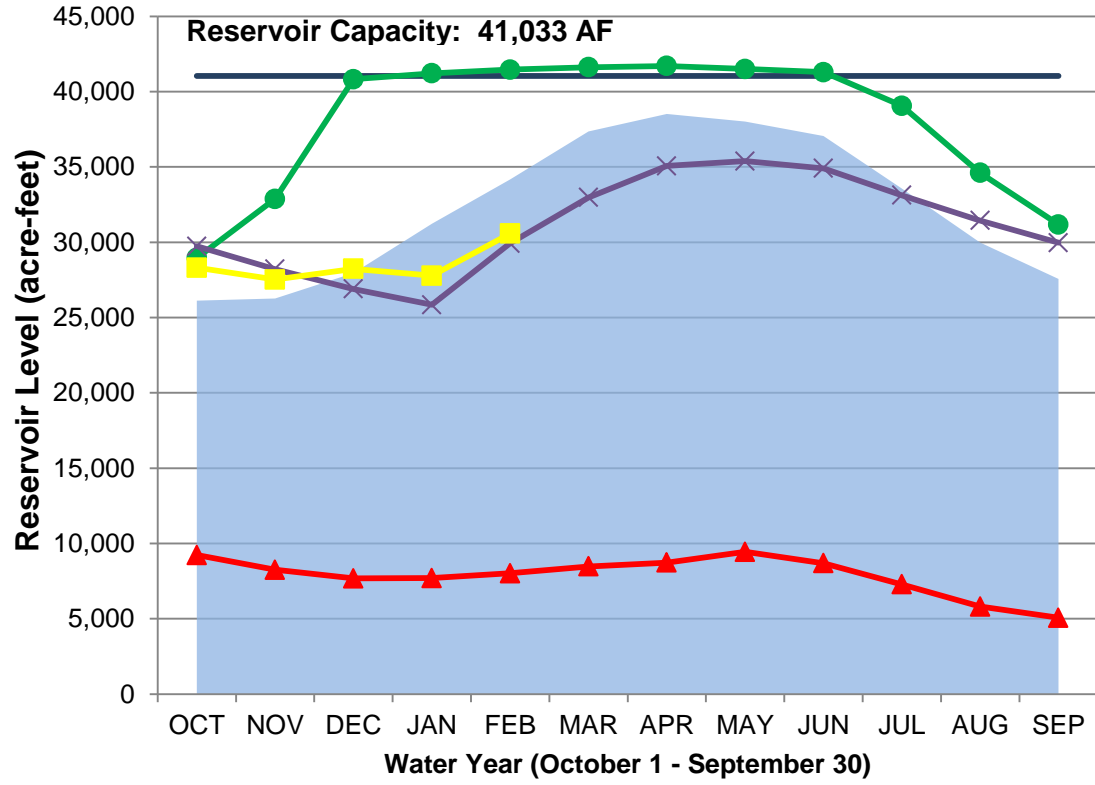
Current Capacity

as of: **3/2/2015**

91%

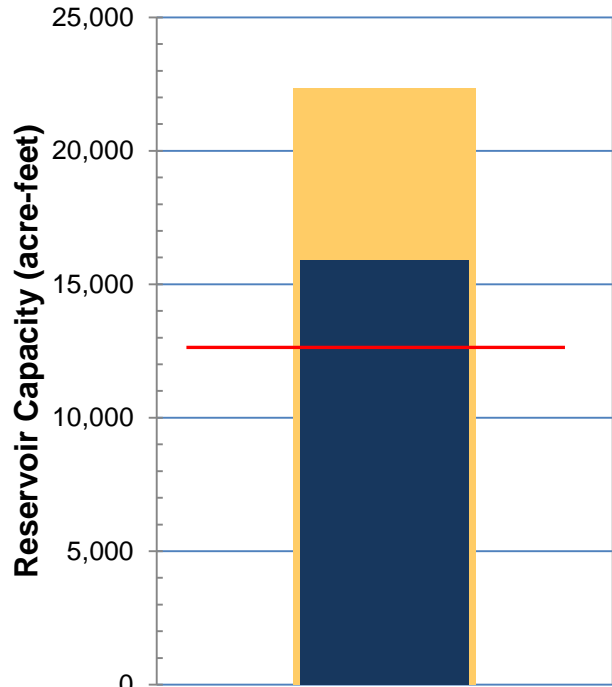
End of Month

Historical Average



Caples Lake Reservoir Conditions

(as of March 4, 2015)



Current Level: 15,881 AF

71%

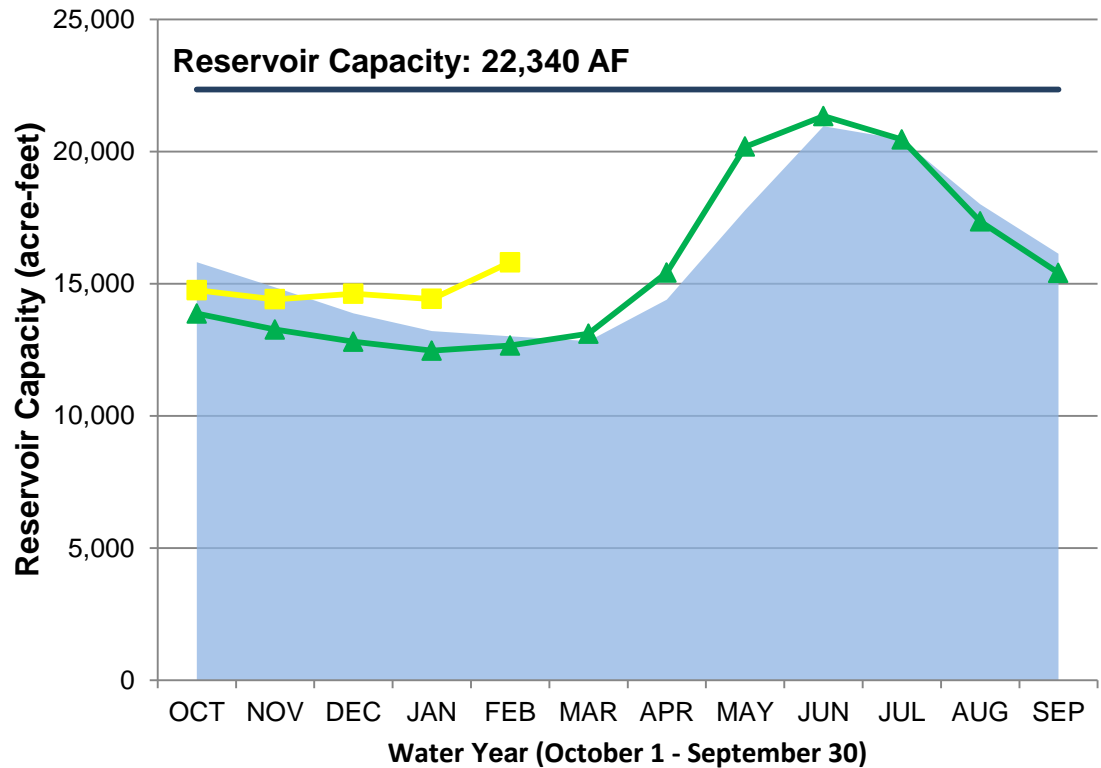
Current Capacity

as of: **3/2/2015**

57%

End of Month

Historical Average



— Historical Average

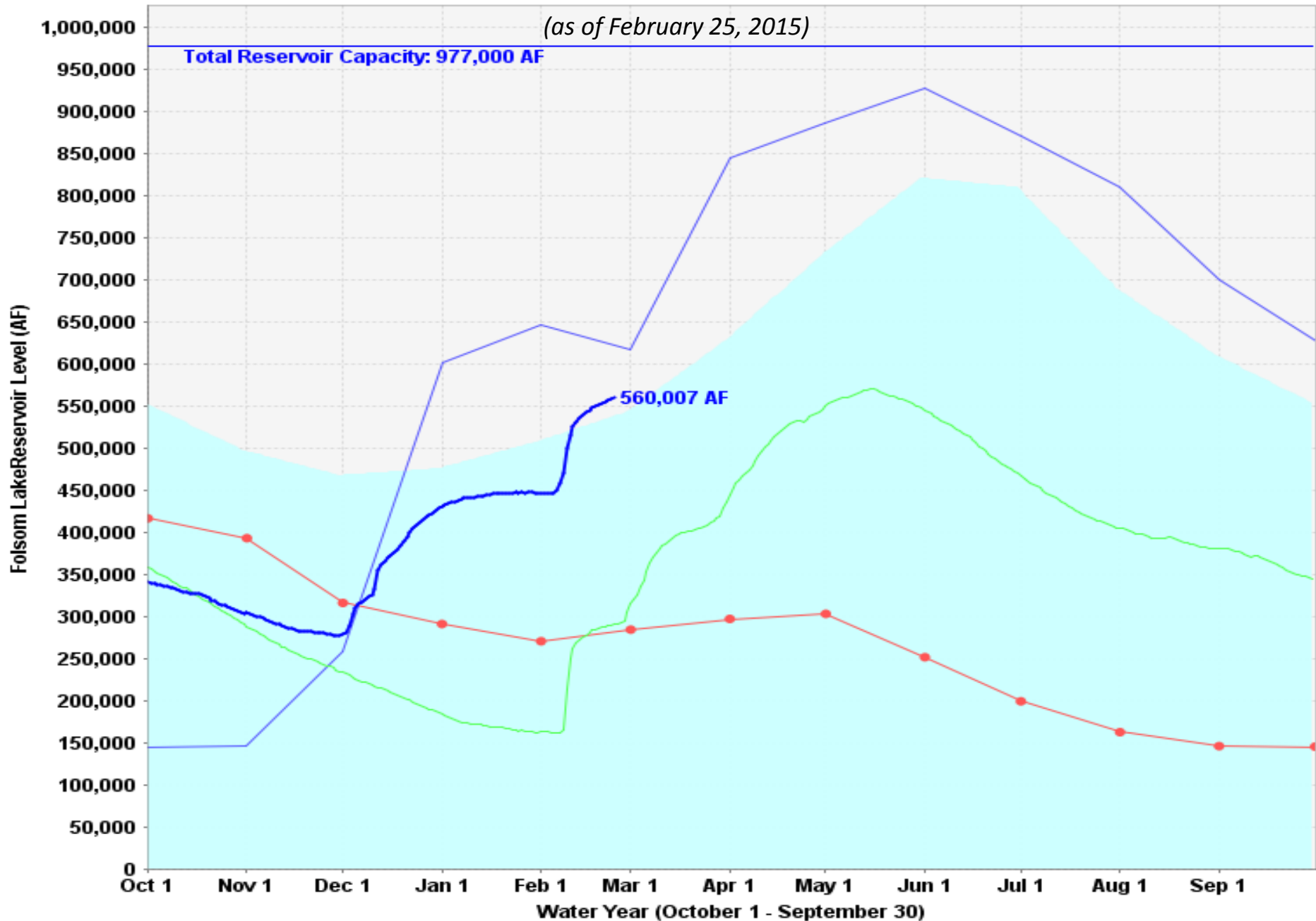
▲ WY 2014

— Reservoir Capacity

■ WY 2015

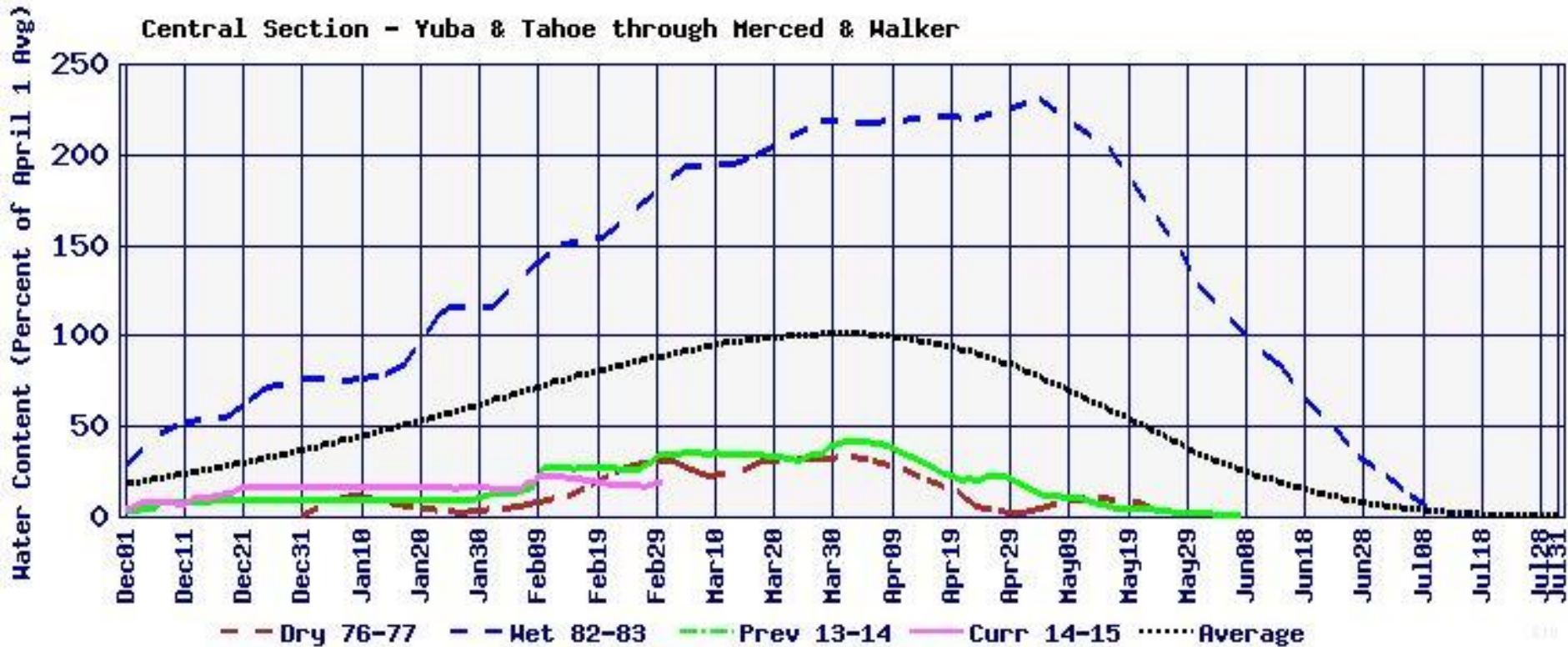
Folsom Lake Storage Levels

(as of February 25, 2015)



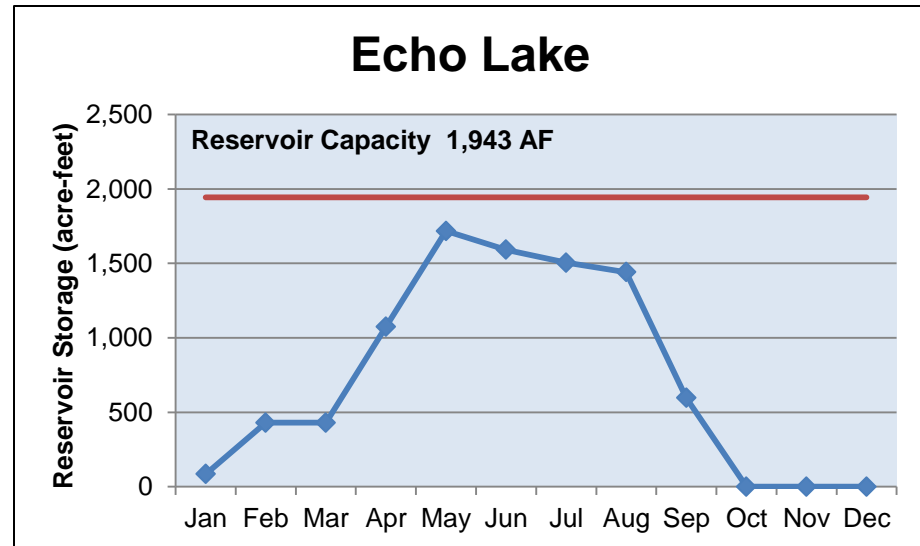
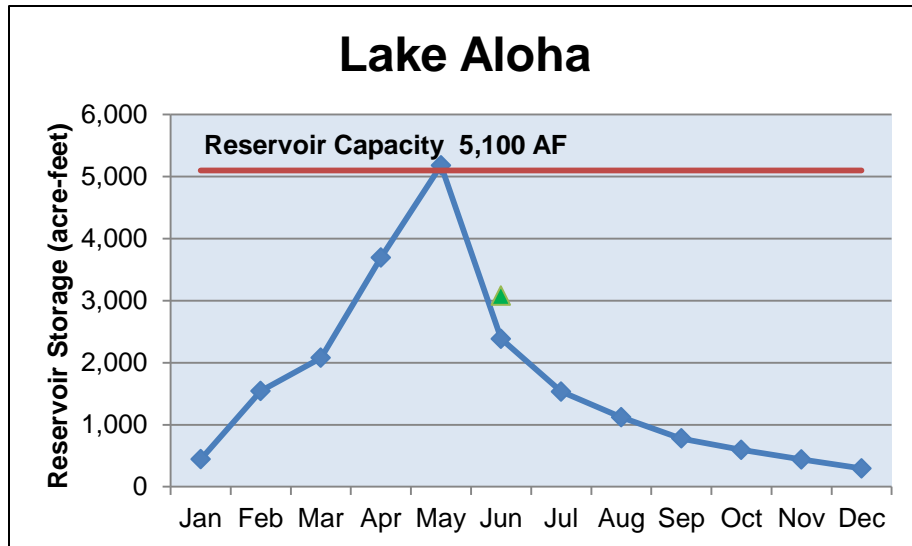
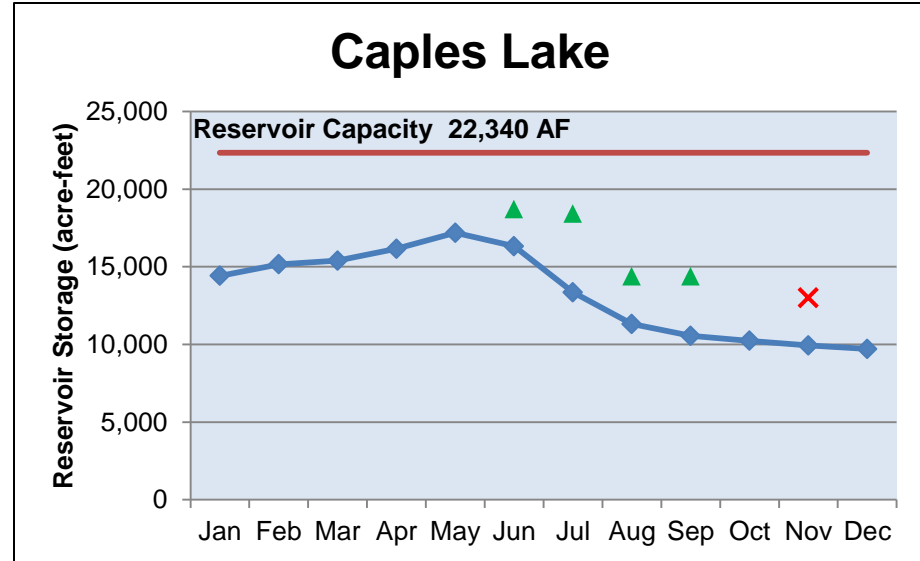
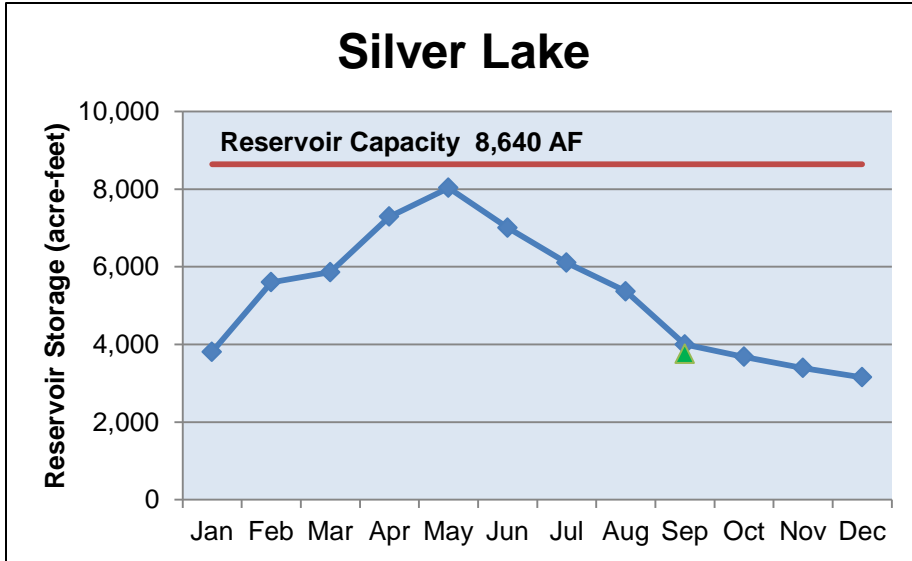
■ Historical Average
 — Total Reservoir Capacity
 ● 1976-1977 (dry)
 — 1977-1978
 — 2013-2014
 — 2014-2015(current)

Snow water content



Project 184 - 2015 Forecast Operations

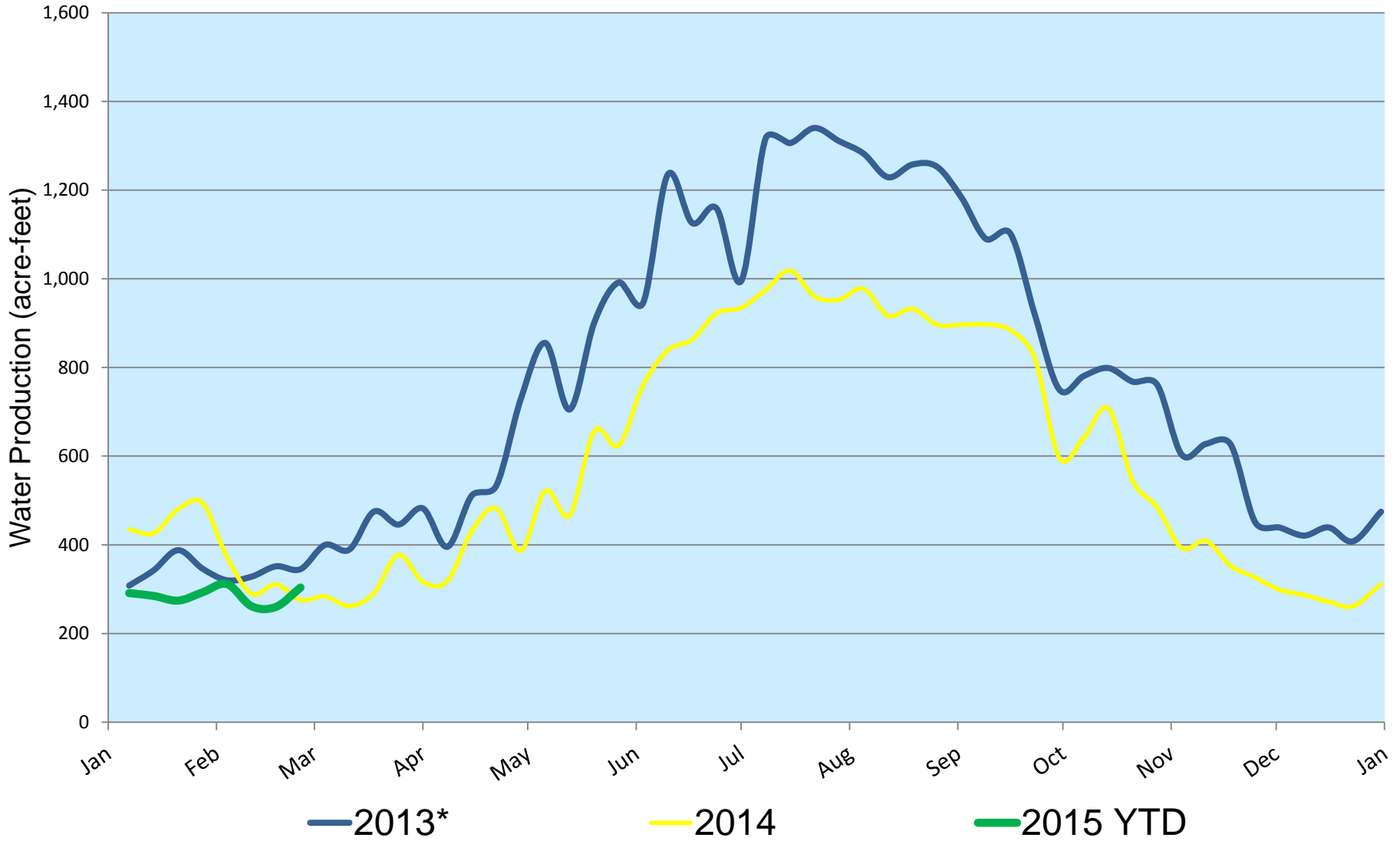
End of Month Storage (AF) – February 10 Forecast Data



Potable Water Conservation Progress

Weekly Comparison - 2015 vs. 2013

(as of February 25, 2015)

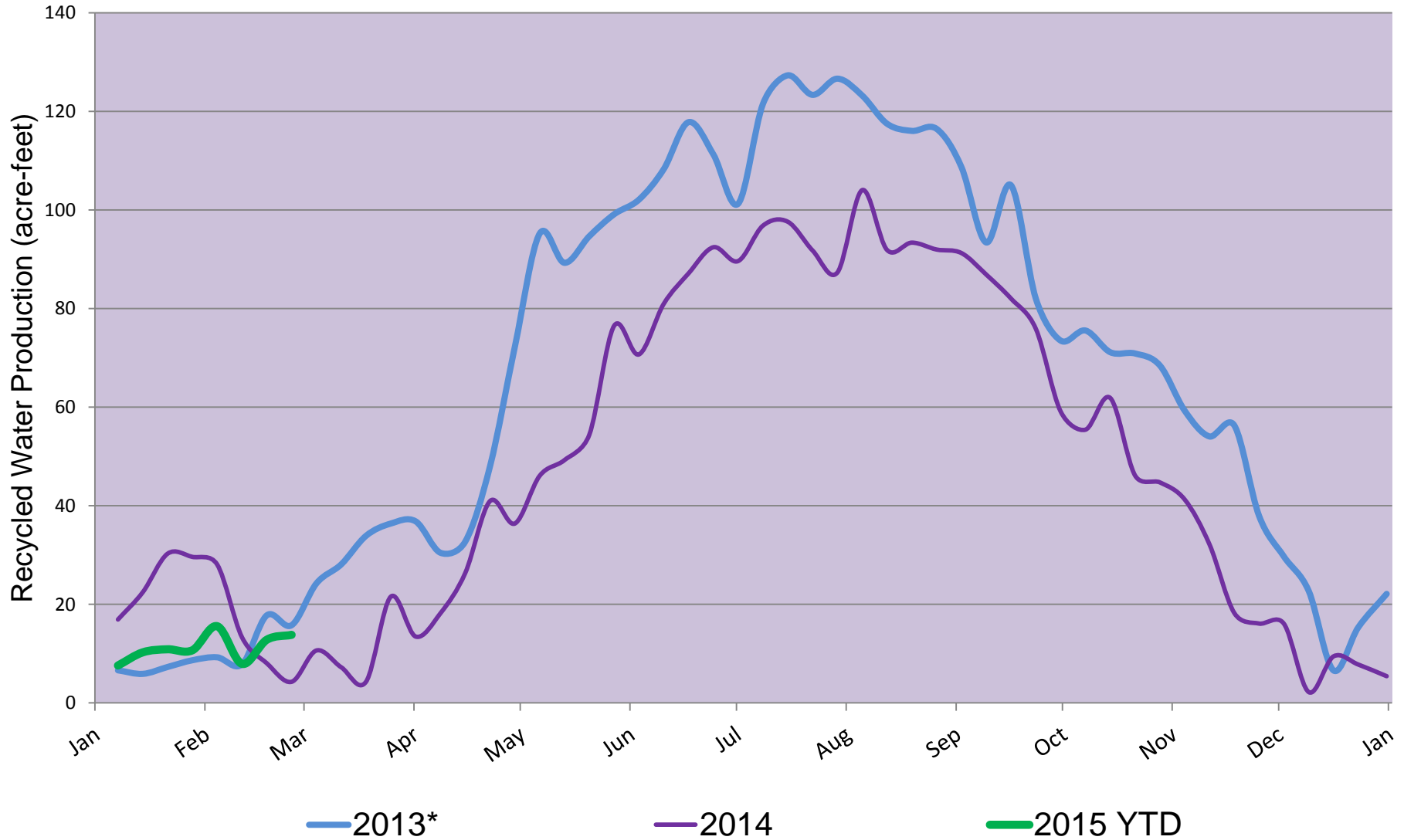


*2013 baseline per State Water Board and RWA standard

Recycled Water Conservation Progress

Weekly Comparison - 2015 vs. 2013

(as of February 25, 2015)

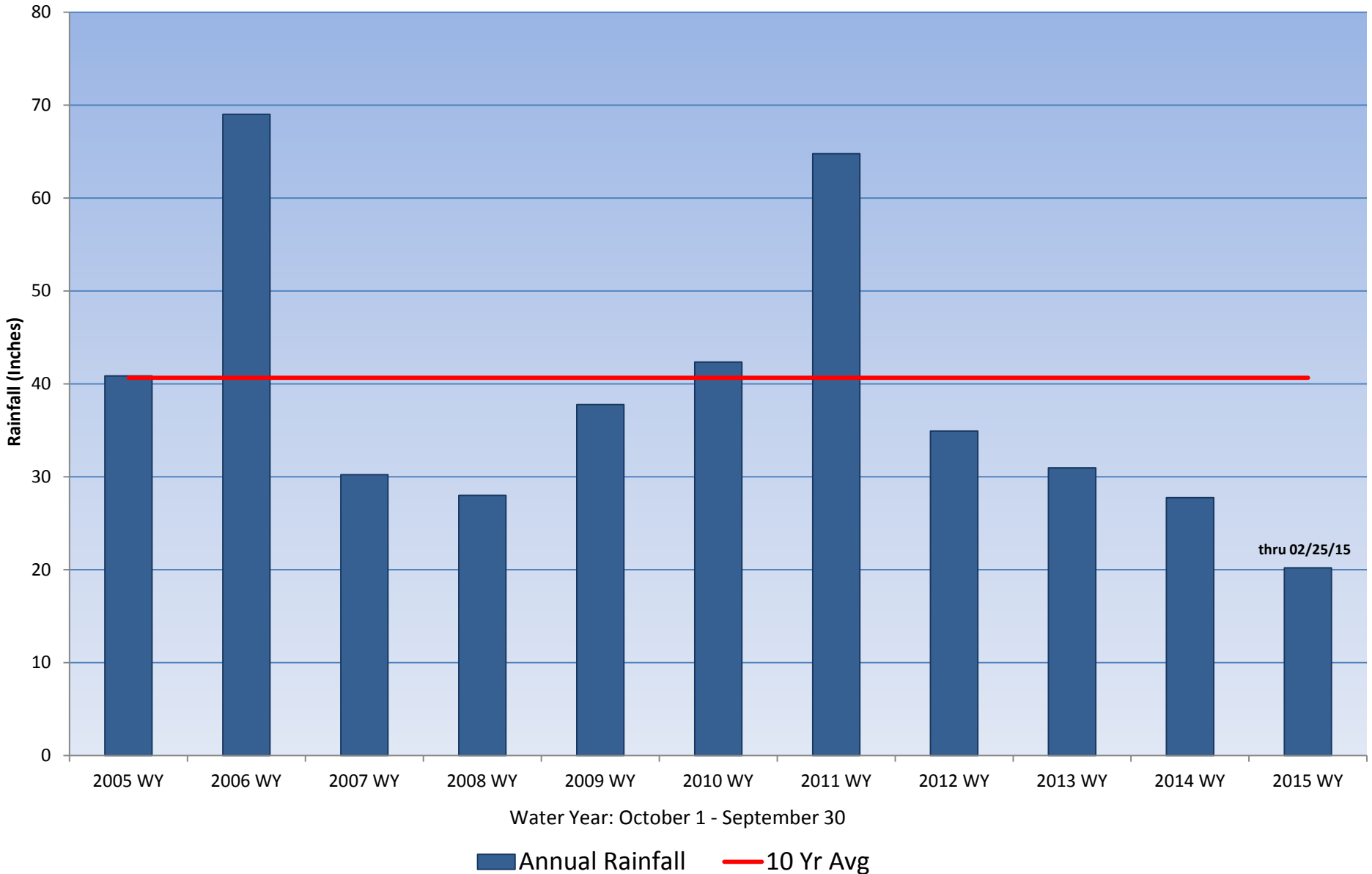


*2013 baseline per State Water Board and RWA standard

El Dorado Irrigation District

Annual Rainfall (Inches)

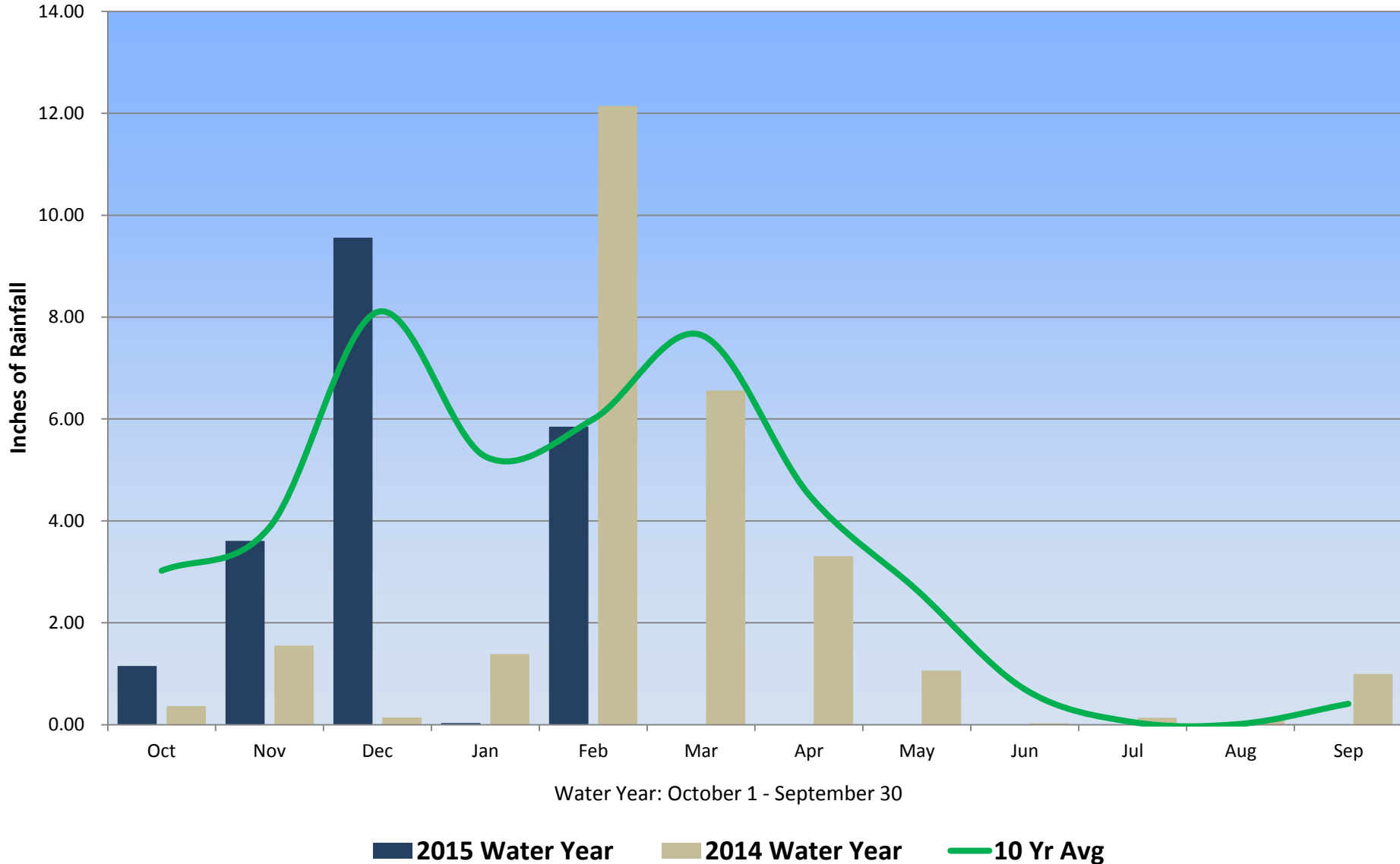
Water Year Totals



El Dorado Irrigation District

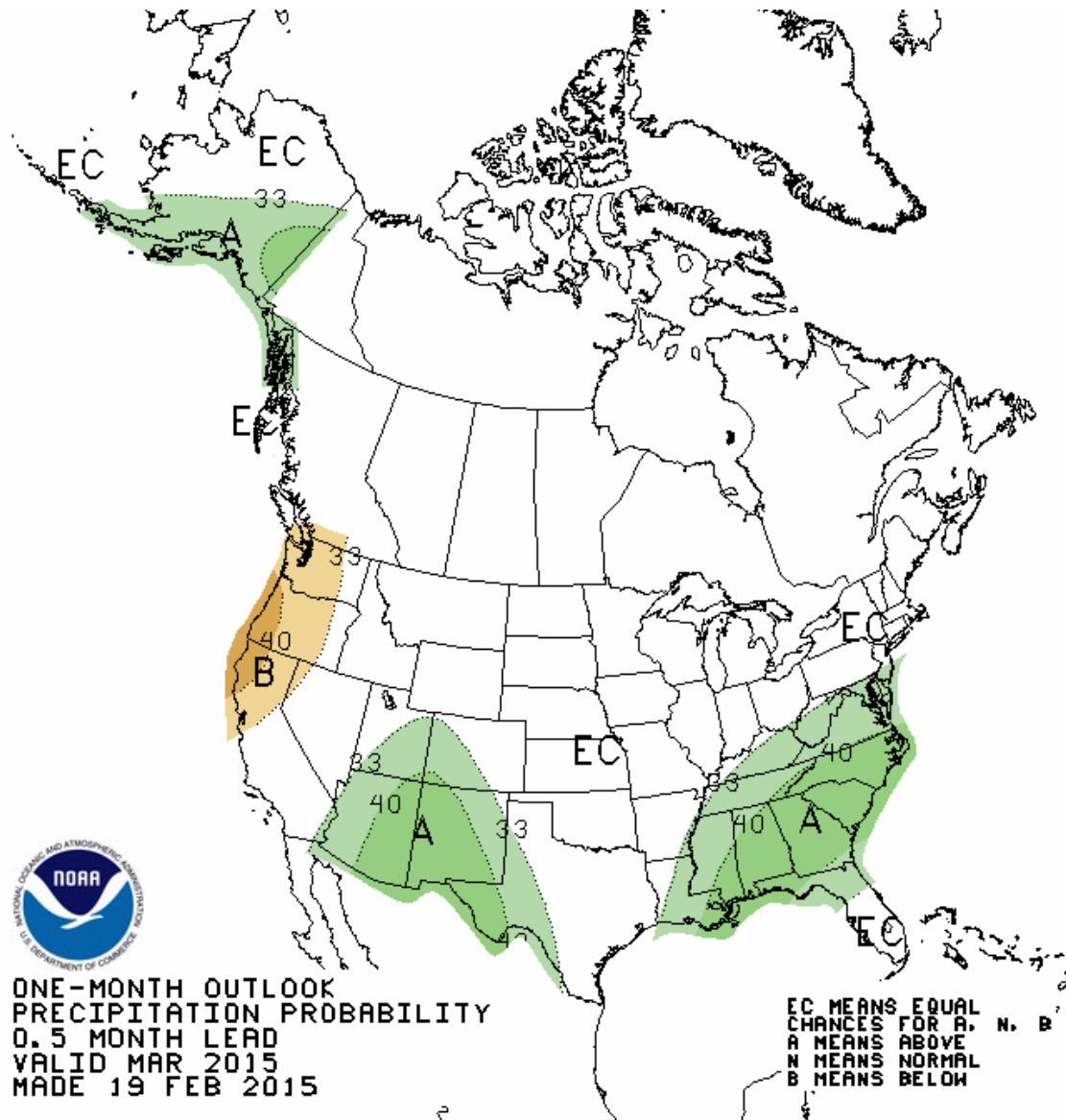
Monthly Rainfall Comparison

(as of February 25, 2015)



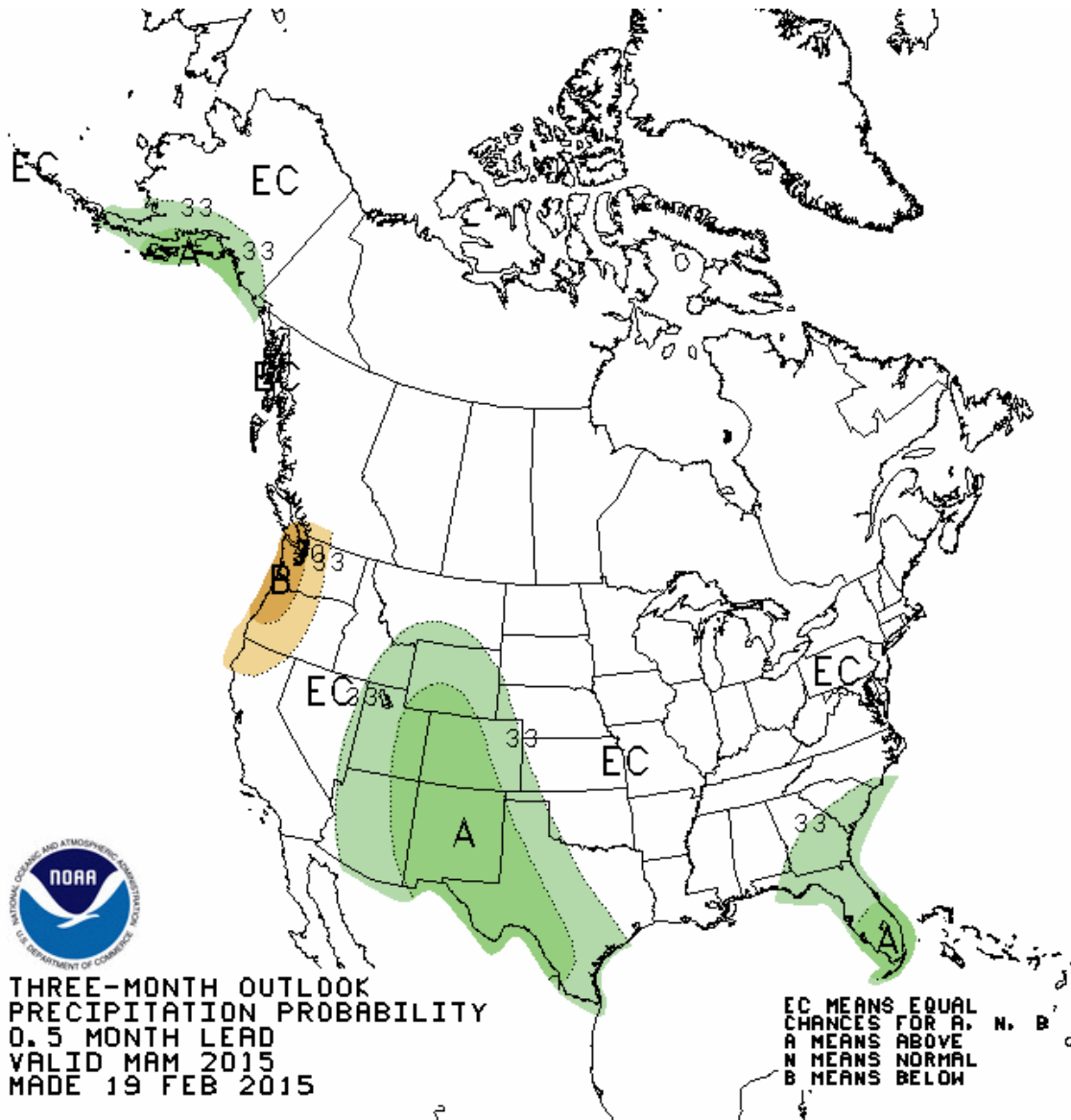
National Weather Service

1-month outlook



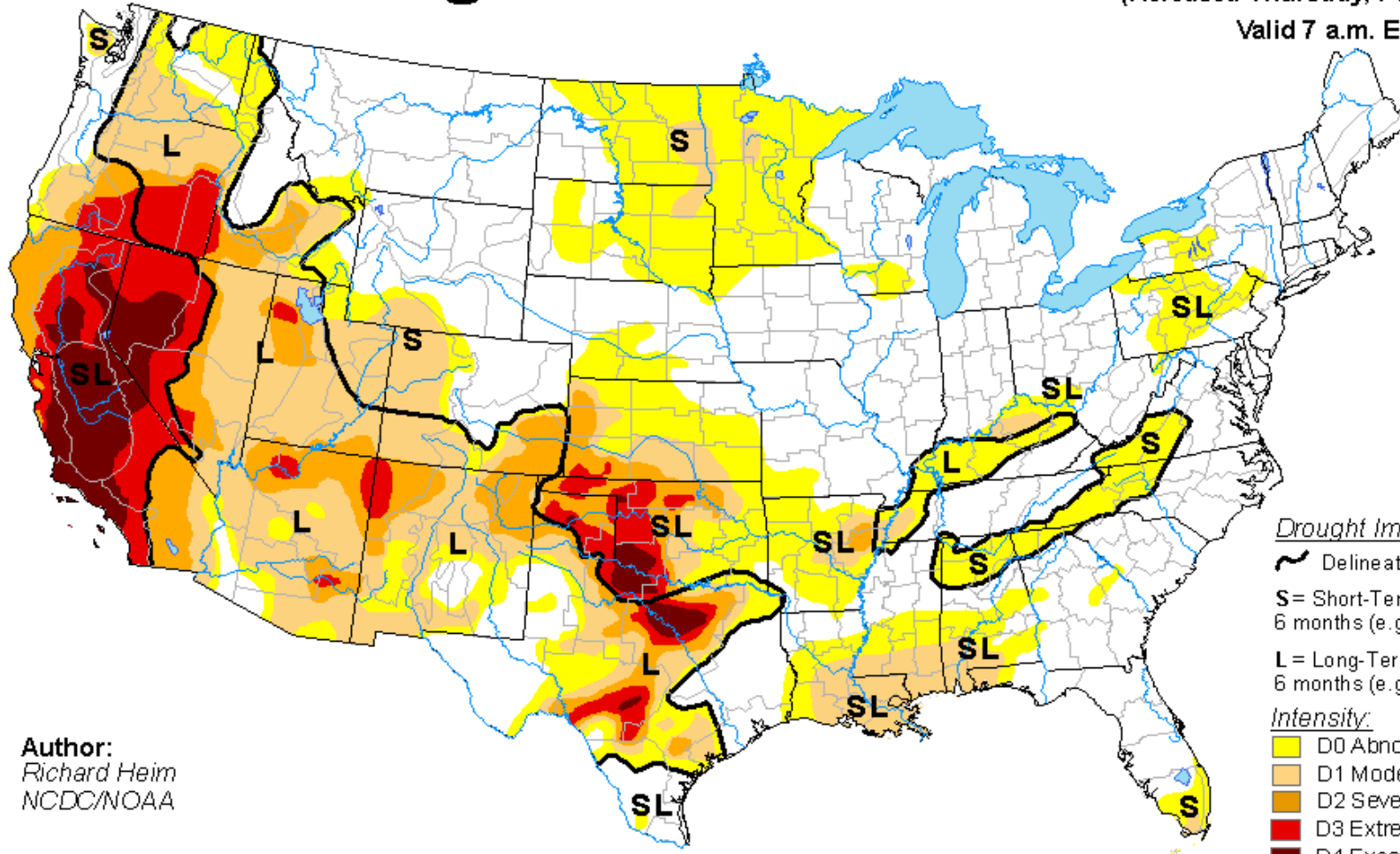
National Weather Service

3-month outlook



U.S. Drought Monitor

February 24, 2015
(Released Thursday, Feb. 26, 2015)
Valid 7 a.m. EST



Author:
Richard Heim
NCDC/NOAA

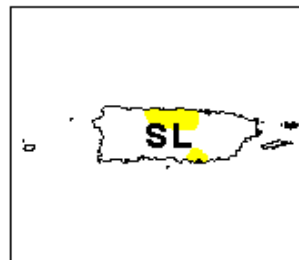
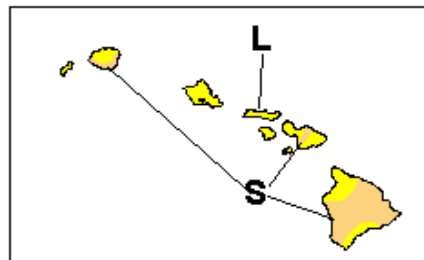
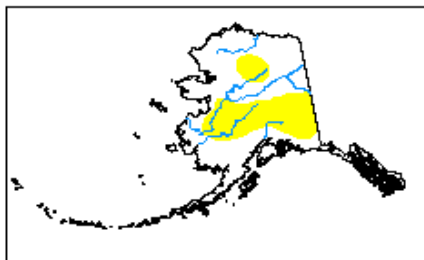
Drought Impact Types:

- 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.

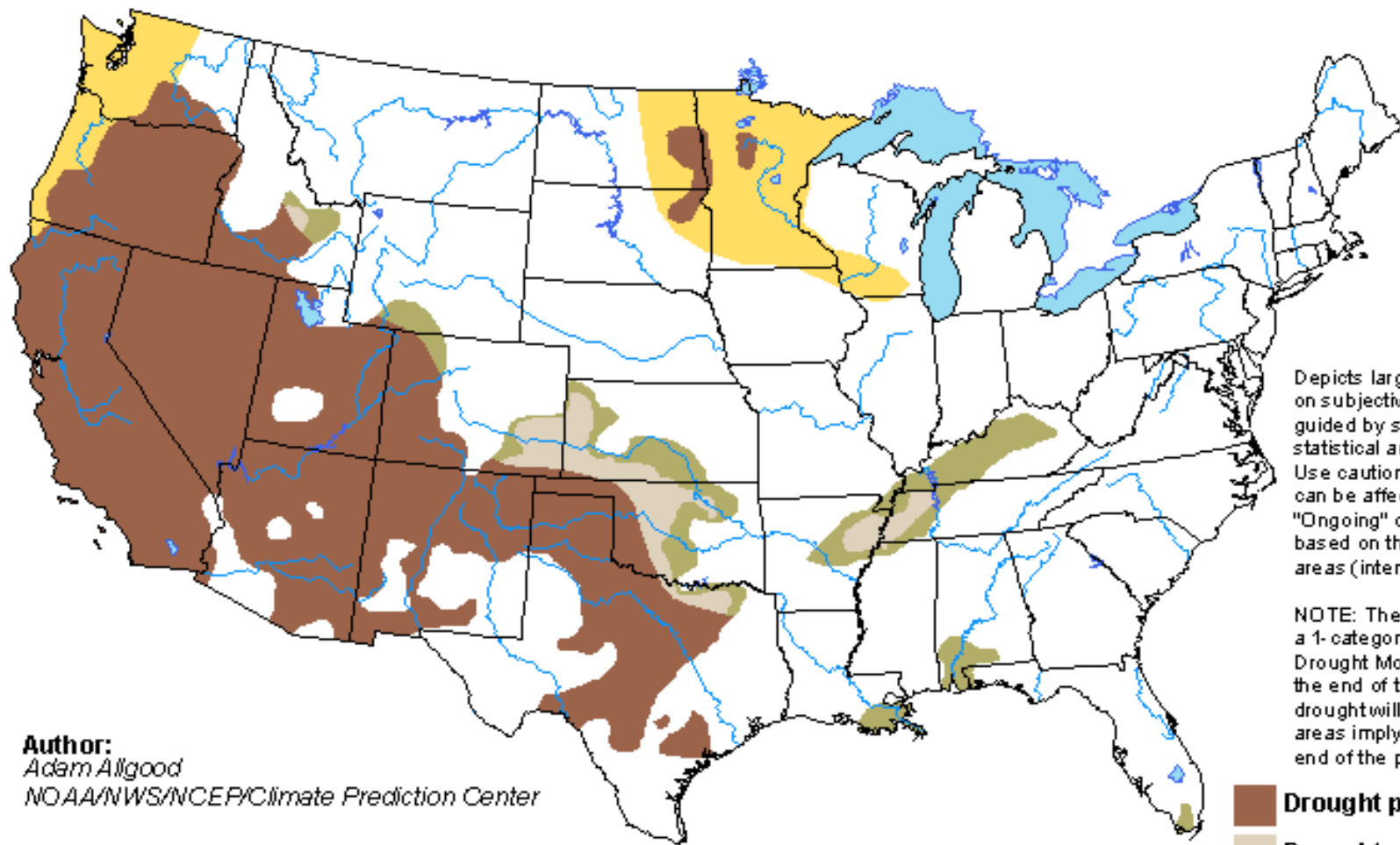


<http://droughtmonitor.unl.edu/>

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for February 19 - May 31, 2015
Released February 19, 2015

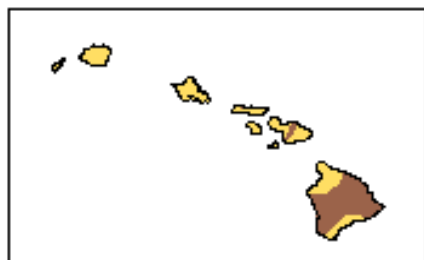
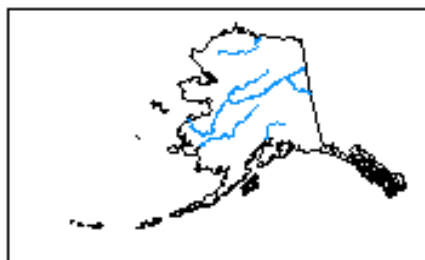


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to 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:
Adam Allgood
NOAA/NWS/NCEP/Climate Prediction Center

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



<http://go.usa.gov/hHTe>

EL DORADO IRRIGATION DISTRICT

Subject: Ratification of EID General Warrant Registers for the periods ending February 17 and February 24, 2015, and Employee Expense Reimbursements for these periods. There are no Board 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 February 17, February 24, 2015 totaling \$1,345,529.82, and Employee Expense Reimbursements for these periods. There are no Board 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>
February 17, 2015	644772 – 644891	\$ 664,473.44
February 24, 2015	644892 – 645146	\$ 681,056.38

Current Employee Expense Payments and Reimbursement Information

The items paid on Attachment A 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 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: Employee Expenses/Reimbursements totaling \$100 or more

Tony Pasquarello

Tony Pasquarello
Accounting Manager

Mark Price

Mark Price
Director of Finance (CFO)

Jennifer Sullivan

Jennifer Sullivan
Clerk to the Board

Jim Abercrombie

Jim Abercrombie
General Manager

Attachment A

Employee Expenses/Reimbursements
Warrant Registers dated 2/17/15 - 2/24/15

EMPLOYEE	DESCRIPTION	AMOUNT
GLEN EBERHARD	AIRFARE-CISCO TRAINING	\$264.20
JAMES PROCTOR	AIRFARE-CISCO TRAINING	\$241.20
JEFF JOHNSON	WATER DISTRIBUTION OPERATIONS-TUITION REIMBURSEMENT	\$520.25
		\$1,025.65



**MINUTES
REGULAR MEETING OF THE BOARD OF DIRECTORS
EL DORADO IRRIGATION DISTRICT
District Board Room, 2890 Mosquito Road, Placerville, California
February 23, 2015 ~ 9:00 A.M.**

Board of Directors

**BILL GEORGE
BOARD PRESIDENT
Division III**

**GEORGE W. OSBORNE
BOARD VICE PRESIDENT
Division I**

**Greg Prada
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Tom McKinney, Operations

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**Tim Ranstrom, Information
Technology**

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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, Deputy Counsel Poulsen, and Clerk to the Board Sullivan

Absent: General Counsel Cumpston

Pledge of Allegiance and Moment of Silence

President George led the Pledge of Allegiance followed by a Moment of Silence dedicated to our troops throughout the world.

ADOPT AGENDA

ACTION: Agenda was adopted.

MOTION CARRIED

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

COMMUNICATIONS

General Manager's Employee Recognition

None

APPROVE CONSENT CALENDAR

ACTION: Consent Calendar was approved.

MOTION CARRIED

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

PUBLIC COMMENT

None

COMMUNICATIONS

Board of Directors

None

Clerk to the Board

None

General Manager

Staff Reports and Updates

- a) Drought Update and Conservation Progress – Summary by Brian Mueller
- b) Esmeralda Tunnel Update – Summary by Daryl Noel

CONSENT CALENDAR

1. Finance (Pasquarello)

Ratification of EID General Warrant Registers for the periods ending February 3 and February 10, 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 Osborne, Prada, George, Coco, and Day

2. Clerk to the Board (Sullivan)

Approval of the minutes of the February 9, 2015, regular meeting of the Board of Directors.

ACTION: Option 1: Approved as submitted.

MOTION CARRIED

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

3. Office of the General Counsel (Cumpston)

Ratification of Resolution Nos. 2014-011 and 2014-023, to maintain emergency declarations.

ACTION: Option 1: Ratified Resolution Nos. 2014-011 and 2014-023 (*thus maintaining both emergency declarations for purposes of bidding, contracting, and CEQA compliance*).

MOTION CARRIED

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

4. Finance (Pasquarello)

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

ACTION: Option 1: Authorized funding for the CIP projects as requested in the amount of \$44,189.

MOTION CARRIED

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

Consent Calendar continued

5. Office of the General Counsel (Johnson)

Consideration of a resolution to authorize execution of an easement quitclaim to Taylor Morrison of California, LLC, for a portion of Lot 4 of Serrano Village M [APN: 123-630-04].

ACTION: Option 1: Adopted Resolution No. 2015-008, approving and authorizing execution of the Easement Quitclaim as submitted.

MOTION CARRIED

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

END OF CONSENT CALENDAR

INFORMATION ITEMS

6. Engineering (Mueller)

Financial status of the Tank 7 in-conduit hydro project.

ACTION: None – Information only.

REVIEW OF ASSIGNMENTS

None

ADJOURNMENT

President George adjourned the meeting at 9:45 A.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 Nos. 2014-011 and 2014-023, to maintain emergency declarations.

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, 2015 – Board ratified Resolutions Nos. 2014-011 and 2014-023 to maintain the emergency declarations.

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; and
- 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, and February 23, 2015.

Additionally, on October 14, 2014, the Board adopted Resolution No. 2014-023, finding and determining that the Esmeralda Tunnel outage and the need for its expeditious repair each constituted emergencies. The Board ratified this resolution on October 27, November 10, and December 8, 2014, and January 12, January 26, February 9, and February 23, 2015.

For these emergency declarations to remain in effect, the Board must find (by four-fifths vote for bidding and contracting purposes) at this regular meeting that the needs for emergency action still exist. This may be achieved by ratifying Resolutions Nos. 2014 – 011 and 2014-023 (attached). Furthermore, 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.

Staff Analysis/Evaluation:

In Resolutions Nos. 2014 – 006, – 010, and – 011, 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, and to ratify Resolution No. 2014-011 by four-fifths vote on July 28 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 reinstated the emergency for those purposes.

In Resolution No. 2014-023, the Board found and determined that the outage of the Esmeralda Tunnel and the need for its expeditious repair to full functionality each constituted emergencies within the meaning of and for the purposes of the same enactments. The Board has maintained this emergency declaration in effect by ratifying Resolution No. 2014-023 at each regular meeting since.

It behooves the District to do what it can to advance projects that could protect or expand available water supplies or otherwise address drought throughout the District, and to expedite the repair of the Esmeralda Tunnel, by authorizing staff to dispense with the delays inherent in the competitive bidding and environmental review processes, in order to bring construction projects and contracts to the Board for consideration more quickly.

As this report is written, this year's repairs of the Esmeralda Tunnel are coming to an end, and the El Dorado Canal is scheduled to begin watering up on Friday, March 6. It was not possible to complete all permanent repairs in this outage; additional work will resume next fall. Engineering will be presenting a full report on the repairs completed and the tunnel's current status and risks at the March 23 Board meeting.

The drought emergency declaration is in need of updating in light of current conditions. The Board will be holding a workshop on the drought and the District's Drought Action Plan at the March 9 Board meeting. General Counsel intends to bring a new drought emergency resolution to the Board for consideration at the March 23 meeting.

Staff has taken no emergency actions since the February 23, 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 Resolutions Nos. 2014 – 011 and 2014-023 (*thus maintaining both emergency declarations for purposes of bidding, contracting, and CEQA compliance*).

Option 2: Decline to ratify Resolution No. 2014 – 011 and/or 2014-023 (*thus terminating one or both emergency declarations for purposes of bidding, contracting and CEQA compliance*).

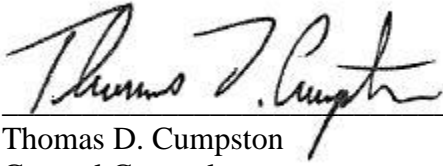
Option 3: Take no action (*thus terminating both emergency declarations for purposes of bidding, contracting and CEQA compliance*).

Staff/General Manager's Recommendation:

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

Support Documents Attached:

- A. Resolution 2014-011
- B. Resolution 2014-023



Thomas D. Cumpston
General Counsel



Jim Abercrombie
General Manager

**RESOLUTION OF THE BOARD OF DIRECTORS OF
EL DORADO IRRIGATION DISTRICT
DECLARING A STAGE 2 WATER WARNING DISTRICT-WIDE,
RATIFYING A STAGE 4 WATER EMERGENCY IN OUTINGDALE,
AND DECLARING THE EXISTENCE OF AN EMERGENCY**

OPERATIVE FACTS

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

WHEREAS, calendar year 2013 was the driest year on record in California, and

WHEREAS, January 2014 was the driest January on record in California; and

WHEREAS, as of May 27, 2014, the United States Drought Monitor states that all of El Dorado County is in an extreme drought condition, and more than 76% of California is in extreme or exceptional drought condition, compared to 67% on January 28, 2014; and

WHEREAS, as of May 1, 2014, snow water content in the American River basin was 9% of normal for that date, according to the state Department of Water Resources (DWR); and

WHEREAS, as of May 31, 2014, storage in Folsom Reservoir was at 56% of capacity, which is 68% of average, and total inflow to the reservoir since October 1 has been only 39% of average; and

WHEREAS, the United States Bureau of Reclamation (Reclamation) has stated that it will deliver no more than 50% of adjusted historical average deliveries of Central Valley Project water to Municipal and Industrial contractors such as the District; and

WHEREAS, Jenkinson Lake, the District's largest source of supply at 41,033 acre-feet capacity, will not fill in 2014 despite the importation of more than 6,000 acre-feet of water through the Hazel Tunnel since the beginning of 2013; and

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

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

- California's water supplies continue to be severely depleted despite a limited amount of rain and snowfall since January;

//

- 1 • Extremely dry conditions have persisted since 2012 and the duration of this drought is
2 unknown;
- 3 • Among the urgent challenges presented by the severe drought conditions is additional
4 water scarcity if the conditions continue into 2015;
- 5 • The magnitude of the severe drought conditions continues to present threats beyond the
6 control of the services, personnel, equipment, and facilities of any single local government;
- 7 • Conditions of extreme peril to the safety of persons and property exist in California due to
8 water shortage and drought conditions with which local authority is unable to cope; and

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

- 9 • Californians are called on to reduce their water usage by 20 percent;
- 10 • Local urban water suppliers are called on to implement their local water shortage
11 contingency plans immediately to avoid or forestall outright restrictions that could become
12 necessary later in the drought season;
- 13 • California residents should refrain from wasting water and in particular should:
 - 14 ○ Avoid using water to clean sidewalks, driveways, parking lots and other
15 hardscapes;
 - 16 ○ Turn off fountains and other decorative water features unless they use recycled or
17 grey water;
 - 18 ○ Limit home vehicle washing by patronizing local carwashes that recycle water;
 - 19 ○ Limit outdoor watering of lawns and landscaping to not more than two times a week;
- 20 • Recreational facilities such as parks and golf courses and large institutional complexes,
21 such as school and business parks, should immediately implement water reduction plans to
22 reduce the use of potable water for outdoor irrigation;
- 23 • Hotels and restaurants should reduce water usage and increase public awareness of the
24 drought by offering drinking water only upon request and providing customers with
25 options to avoid daily washing of towels or sheets;
- 26 • Architectural and landscaping provisions of a common interest development that prohibit
27 compliance with any local or state water conservation measures, such as landscaping
installation or maintenance requirements, are void and unenforceable;

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- The State Water Resources Control Board (Water Board) will request a June 15 update from urban water agencies, such as the District, on their actions to reduce water usage, and the effectiveness of those efforts; and

WHEREAS, on May 27, 2014 the Water Board sent notices curtailing all diversions under post-1914 water rights by appropriators in the entire Delta watershed, including the District, subject to exceptions only for public health and safety needs and non-consumptive hydroelectric generation; and

WHEREAS, the District serves the Outingdale community exclusively from a post-1914 water right subject to curtailment except for public health and safety needs; and

WHEREAS, the District provides flow augmentation to Clear Creek from post-1914 water rights subject to curtailment without any applicable exception; 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

WHEREAS, Public Contract Code section 20567 authorizes irrigation districts to let contracts without notice for bids in case of an emergency; and

WHEREAS, Public Contract Code section 22050(a)(2) requires that before action is taken to procure equipment, services, and supplies without giving notice for bids, the governing body must first make a finding, based on substantial evidence set forth in the minutes of its meeting, that the emergency will not permit a delay resulting from a competitive solicitation for bids, and that the action is necessary to respond to the emergency; and

WHEREAS, Public Contract Code section 11102 defines “emergency” as “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;” and

WHEREAS, District Board Policy 2050 authorizes the District’s General Manager to act “in emergency situations where no Board Policies or Administrative Regulations exist;” and

WHEREAS, District Administrative Regulation 3061.1, subdivision g, authorizes emergency procurements of supplies, equipment, services, or construction items when there exists a threat to

1 public health, welfare, or safety, and requires Board of Directors ratification of emergency
2 procurements exceeding \$50,000; and

3 WHEREAS, on March 1, 2014, the Governor signed SB 103 and SB 104 into law, making
4 \$687.4 million available for drought relief, including \$549 million of accelerated infrastructure grants
5 for projects included in Integrated Regional Water Management Plans; and

6 WHEREAS, on February 4, 2014, the Board adopted Resolution 2014-006 declaring an
7 emergency and a Stage 2 Water Warning due to drought conditions, and the Board has ratified
8 Resolution 2014-006 by four-fifths vote at every regular Board meeting thereafter; and

9 WHEREAS, the Board adopted the staff-prepared Drought Action Plan on February 4, 2014,
10 and approved revisions to the Drought Action Plan on April 14 and May 12, 2014;

11 NOW, THEREFORE, BE IT AND IT IS HEREBY RESOLVED by the Board of Directors of
12 the El Dorado Irrigation District (Board) as follows:

- 13 1. The Board concurs with and adopts the findings of the Governor's January 17 and
14 April 25, 2014 emergency proclamations.
- 15 2. The Board renews and continues a Stage 2 Water Warning for the District as a whole,
16 and ratifies the General Manager's declaration of a Stage 4 Water Emergency for the
17 Outingdale service area, in response to the Water Board's May 27 curtailment order.
- 18 3. The Board ratifies the District's suspension of flow augmentation in Clear Creek,
19 which began on June 3, in response to the Water Board's May 27 curtailment order.
- 20 4. The Board finds and declares that the current drought conditions constitute an
21 emergency within the meaning of CEQA Guidelines section 15359, Public Contracts
22 Code section 11102, District Board Policy 2050, and District Administrative
23 Regulation 3061.1, subdivision g.
- 24 5. The Board finds and declares that the adoption of this Resolution and all of the
25 delegations, authorizations, and directions to the General Manager and District staff
26 specified in paragraph 7, below, satisfy the requirements and criteria of Public
27 Resources Code section 21080(b)(4), CEQA Guidelines section 15269(c), and Public
Contract Code sections 22050(a)(2) and 20567.
6. The foregoing findings and declarations are based upon all written, oral, and visual
evidence, including both facts and professional opinions, presented to the Board at the

1 meetings of February 4, 10, and 24, March 10 and 24, and April 2, 14, and 28, 2014,
2 and at the hearing of this Resolution.

- 3 7. The Board hereby delegates, authorizes, and directs the District General Manager and his
4 designees to take all actions reasonably deemed necessary to respond to the emergency
5 conditions declared herein, including but not limited to the following
6 specific actions:
- 7 a. Continue to pursue the proposal pending before the Water Board for temporary
8 modification of the minimum instream flow requirements prescribed for the Deer
9 Creek Wastewater Treatment Plant by Water Rights Order No. WR 95-9, for as
10 long as drought conditions persist.
 - 11 b. Implement throughout the District all Stage 2 drought actions, other than rate surcharges,
12 detailed in the Drought Action Plan approved by the Board on May 12, 2014.
 - 13 c. Implement in the Outingdale service area all Stage 4 drought actions, other than
14 rate surcharges, detailed in the Drought Action Plan approved by the Board on
15 May 12, 2014.
 - 16 d. Enter into professional services and construction contracts as reasonably deemed
17 necessary to expedite the preservation and enhancement of water supply
18 availability for the District's customers.
 - 19 e. Report to and seek ratification of the Board for any actions taken in excess of
20 normal authority or authority expressly granted by this Resolution, at the first
21 regular Board meeting held after each such action.
 - 22 f. Continue to report to the Board at least monthly, and more often if necessary, on
23 the current status of the drought conditions, responsive actions taken, weekly
24 water usage data, and the need, if any, for further Board actions, including a
25 Stage 3 drought declaration and the declaration of a water supply emergency.
- 26 8. This Resolution shall take effect immediately upon adoption. Subject to the
27 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.

1 The foregoing Resolution was introduced at a regular meeting of the Board of Directors of the
2 EL DORADO IRRIGATION DISTRICT, held on the 9th day of June 2014, by Director Day who
3 moved its adoption. The motion was seconded by Director Coco and a poll vote taken which stood
4 as follows:

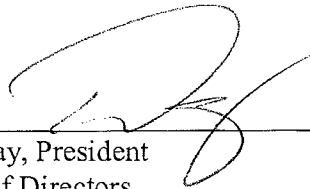
5 AYES: Directors Day, Coco, Osborne, and George

6 NOES: Director Prada

7 ABSENT:

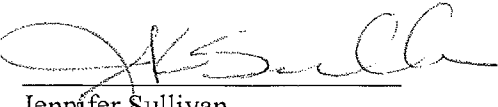
8 ABSTAIN:

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



11
12 Alan Day, President
13 Board of Directors
14 EL DORADO IRRIGATION DISTRICT

15 ATTEST:



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

19 (SEAL)

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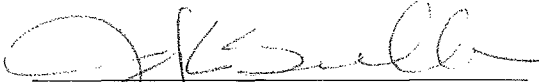
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I, the undersigned, Clerk to the Board of the EL DORADO IRRIGATION DISTRICT hereby certify that the foregoing resolution is a full, true and correct copy of a Resolution of the Board of Directors of the EL DORADO IRRIGATION DISTRICT entered into and adopted at a regular meeting of the Board of Directors held on the 9th day of June 2014.



Jennifer Sullivan
Clerk to the Board
EL DORADO IRRIGATION DISTRICT

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1 **RESOLUTION OF THE BOARD OF DIRECTORS OF**
2 **EL DORADO IRRIGATION DISTRICT**
3 **DECLARING AN EMERGENCY**
4 **FOR REPAIR OF THE ESMERALDA TUNNEL**

4 WHEREAS, the Esmeralda tunnel is a facility of the El Dorado Irrigation District (District)
5 hydroelectric Project 184; and

6 WHEREAS, besides generating power, Project 184 supplies up to 15,080 acre-feet of drinking
7 water annually to customers throughout the District, representing more than one-third of the District's
8 supplies, and is also the source of the 17,000 acre-foot per year Permit 21112 water right; and

9 WHEREAS, the District cannot make normal water deliveries from Project 184 to Forebay
10 Reservoir without a fully functioning Esmeralda tunnel; and

11 WHEREAS, if the District cannot make normal water deliveries to Forebay Reservoir, it cannot
12 conduct normal electrical generation operations, make normal drinking water deliveries to its
13 customers, or provide needed water deliveries for fire suppression; and

14 WHEREAS, the District cannot utilize the Hazel Creek tunnel to deliver Project 184 water to
15 Jenkinson Lake as a drought mitigation strategy, without a fully functioning Esmeralda tunnel; and

16 WHEREAS, electrical generation, the provision of drinking water, the provision of water for
17 fire suppression, and the mitigation of drought conditions during the District's declared Stage 2
18 drought emergency are all essential public services which, if impaired, put life, health, and property at
19 risk; and

20 WHEREAS, on September 21, 2014, District sensors suddenly and unexpectedly recorded high
21 water in the Project 184 canal upstream of Esmeralda tunnel, which upon investigation proved to be
22 the result of a complete blockage of the Esmeralda tunnel by dirt and debris; and

23 WHEREAS, the tunnel blockage was the result of earth movement that could not have been
24 foreseen or predicted; and

25 WHEREAS, Public Resources Code section 21080(b)(2) and (4) and CEQA Guidelines section
26 15269(b) and (c) exempt from CEQA any actions that are necessary to repair, prevent, or mitigate an
27 emergency; and

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

1 WHEREAS, Public Contract Code section 20567 authorizes irrigation districts to let contracts
2 without notice for bids in case of an emergency; and

3 WHEREAS, Public Contract Code section 11102 defines “emergency” as “a sudden,
4 unexpected occurrence that poses a clear and imminent danger, requiring immediate action to prevent
5 or mitigate the loss or impairment of life, health, property, or essential public services;” and

6 WHEREAS, District Board Policy 3060 authorizes emergency procurements of supplies,
7 equipment, services, or construction items when there exists a threat to public health, welfare, or
8 safety, and requires Board of Directors ratification of emergency procurements exceeding \$50,000; and

9 WHEREAS, District Administrative Regulation 3061.05, subdivision e. authorizes the sole-
10 source procurement of goods and services, including constructions services, when an emergency or
11 extraordinary circumstances require immediate action that cannot be delayed for obtaining bids or
12 proposals; and

13 WHEREAS, Public Contract Code section 22050(a)(2) requires that before action is taken to
14 procure equipment, services, and supplies without giving notice for bids, the governing body must
15 first make a finding, based on substantial evidence set forth in the minutes of its meeting, that the
16 emergency will not permit a delay resulting from a competitive solicitation for bids, and that the
17 action is necessary to respond to the emergency;

18 NOW, THEREFORE, BE IT AND IT IS HEREBY RESOLVED by the Board of Directors of
19 the El Dorado Irrigation District (Board) as follows:

- 20 1. The Board finds and declares that the Esmeralda tunnel outage and the need for expeditious
21 repair of the Esmeralda tunnel to full functionality each constitute emergencies within the
22 meaning of Public Contract Code section 11102, CEQA Guidelines section 15359, and
23 District Board Policy 3060.
- 24 2. The Board finds and declares that the emergency will not permit a delay resulting from a
25 competitive solicitation for bids, and that the expeditious retention of professional services
26 and constructions services, including by sole-source negotiation, is necessary to respond to
27 the emergency.
3. The Board finds and declares that the adoption of this Resolution satisfies the requirements
and criteria of Public Resources Code section 21080(b)(2) and (4), CEQA Guidelines
section 15269(b) and (c), and Public Contract Code sections 22050(a)(2) and 20567.

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4. The foregoing findings and declarations are based upon all written, oral, and visual evidence, including both facts and professional opinions, presented to the Board at the meeting of October 14, 2014 and at the hearing of this Resolution.

5. 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 Board Policy 3060, this Resolution shall remain in full force and effect until rescinded or replaced by a subsequent Resolution of the Board of Directors.

The foregoing Resolution was introduced at a regular meeting of the Board of Directors of the EL DORADO IRRIGATION DISTRICT, held on the 14th day of October 2014, by Director Osborne who moved its adoption. The motion was seconded by Director George and a poll vote taken which stood as follows:

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

NOES:

ABSENT:

ABSTAIN:

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



Alan Day, President
Board of Directors
EL DORADO IRRIGATION DISTRICT

ATTEST:



Jennifer Sullivan
Clerk to the Board
EL DORADO IRRIGATION DISTRICT

(SEAL)

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 regular
4 meeting of the Board of Directors held on the 14th day of October 2014.



Jennifer Sullivan
Clerk to the Board
EL DORADO IRRIGATION DISTRICT

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EL DORADO IRRIGATION DISTRICT

Subject:

Consideration for the purchase of a Ditch Witch Vacuum Excavator from Ditch Witch Equipment Co., Inc. in West Sacramento in the amount not-to-exceed \$ 75,397.10.

Previous Board Action:

December 8, 2014: The Board adopted the 2015 operations budget

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

BP 3060 and AR 3061.04 require Board approval for all purchases over \$50,000.

Summary of Issue:

In order to facilitate repairs to the District's buried infrastructure, District crews must expose the pipe through excavation. Excavations are typically completed using mechanical methods such as hand shoveling for small repairs to utilizing backhoes, vacuum or tracked excavators for larger repairs or deep excavations. Vacuum excavation is utilized whenever there is a concern of conflict with other underground utilities such as natural gas lines or electrical utilities. For the last 30 years it has become a standard in sub-division construction to place all utilities underground resulting in more opportunities of utility pipe conflicts when excavating. This has resulted in increased usage of vacuum excavation to pothole for buried utilities or excavate for repairs. In 2004, the District purchased a DitchWitch® brand trailer mounted vacuum excavator (Equipment number 442) to address the needs of vacuum excavation. In the past few years the need for vacuum excavation has expanded, resulting in work deferment and delays due to the limitation of only one trailer mounted vacuum excavator in the fleet. In response to emergency repairs needing vacuum excavation or job assignment conflicts (more than one crew needing a vacuum excavator), water crews have called upon wastewater collection's vacuum trucks to assist when the DitchWitch® is not available. This results in not only water system repair delays but the interruption of critical wastewater collections preventive maintenance programs. Leak repair delays impact the customer directly. For emergency repairs it results in extended outages for them (decrease in level of service and performance measures for duration of outage). If we need to call on wastewater's vacuum trucks, that means they cannot complete their maintenance tasks supporting our SSO goals (growing deferred work=increase risk of SSO's). A conflict in scheduling the vacuum excavator results in delays for repairs which increase water loss (increased cost of production).

Staff Analysis/Evaluation:

In order to facilitate the increased need for vacuum excavations, a second trailer mounted vacuum excavator is needed. Staff analyzed different vacuum excavator capacities and manufactures in order to select the best equipment to meet the District’s needs. The DitchWitch® model FX50 was selected for several reasons:

- The District has owned and operated a DitchWitch® FX30 for 12 years with satisfactory results
- Local service and support. DitchWitch® has a full service dealership in West Sacramento
- Fleet and field staff are familiar with DitchWitch® equipment so additional training, parts and operation are kept to a minimum.

Fleet and field staff recommended the District standardize on DitchWitch® for future trailer mounted vacuum excavators purchases when needed. A justification for standardization was submitted and approved (Standardization number 15001, expires 2-11-18) The District solicited quotes from three dealerships. The results are shown in the table below:

Vendor	Quote
Ditch Witch Equipment Co., Inc.	\$69,812.25
The Charles Machine Works, Inc.	\$76,467.46
EKA, Inc	\$78,157.55

In preparation for this purchase, funds were placed in the 2015 operating budget to cover the initial purchase. Therefore, the approved 2015 operations budget maintains adequate funds to cover the initial purchase of this equipment.

Board Decision/Options:

Option 1: Approve the purchase of a Ditch Witch Vacuum Excavator from Ditch Witch Equipment Co., Inc. in West Sacramento in the amount not-to-exceed \$ 75,397.10.

Option 2: Take other action as directed by Board.

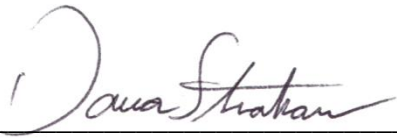
Option 3: Take no action.

Staff/General Manager’s Recommendation:

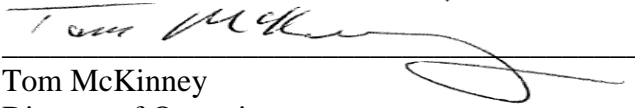
Option 1

Supporting Documents Attached

- A. Standardization 15001
- B. Quotes



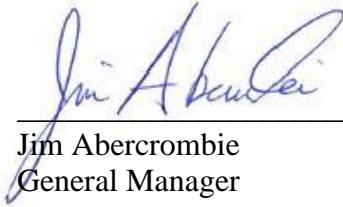
Dana Strahan
Division Manager – Drinking Water Operations



Tom McKinney
Director of Operations



Mark Price
Director of Finance



Jim Abercrombie
General Manager

JUSTIFICATION FOR STANDARDIZATION

AR 3061.09 Standardization of Goods and Services

Upon recommendation of the Purchasing Agent, the General Manager may authorize the uniform adoption or other standardization of a good or service to promote efficiency or for other good cause when the good or service is designated to match others in use, or planned to be used, by the District.

All standardizations shall be valid for a term up to three years, which term may be extended one time up to three additional years by the Purchasing Agent after examining market conditions and upon a determination by the Purchasing Agent that the standardization still serves the District's best interests.

Requester Name: Dana Strahan/Noel Russell/Edward Ruiz Department: Water Construction

Item(s) to be Standardized: Ditch Witch Trailered Vacuum Excavator.

Manufacturer: Ditch Witch.

Model: FX50 (or closest comparable current year model).

Description of Item: Water and vacuum excavator.

Purpose of Use: To perform precise controlled excavations to expose buried utilities and a variety of cleanup applications.

Justification requesting standardization for goods or services (attach additional back-up if necessary):

Water Construction crews have owned a Ditch Witch vacuum excavator for 12 years and are pleased with its performance, maintenance record, and available options. Specifically the Tier 4 engine, 800 gallon tank, hydraulic powered tank dump door, and hydraulic powered boom which are available with the FX50 and provide superior performance to other vacuum excavators. Although the existing Ditch Witch vacuum excavator is considerably older, operation between it and a new Ditch Witch unit is similar. This requires no new significant training for staff to operate a differing unit and maintains similar maintenance and maintenance parts for maintenance staff.

Are the goods or services available from more than one source? YES _____ NO X . If yes, please list known source(s). If no, please list the single-source of availability (vendor name, city and state): Ditch Witch Equipment Co, Inc., 929 Stillwater Road, West Sacramento CA.

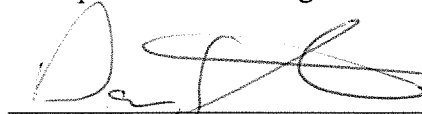
Approval Routing

Requester

Please forward to the Purchasing Agent for review prior to departmental routing for additional signatures.



Requesting Supervisor



Requesting Division Manager

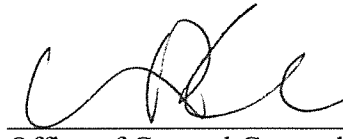


Requesting Department Director



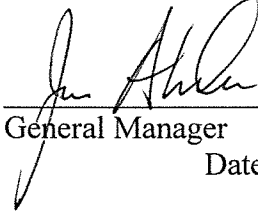
Purchasing Agent Recommendation

Date 2/11/15



Office of General Counsel

Date 2/12/15



General Manager

Date 2/12/15

Purchasing Notes:

Although Ditch Witch of West Sacramento is the only dealer within the Sacramento, El Dorado County area, Purchasing was able to acquire additional quotes using 2 competitively-bid national purchase agreements resulting in a total of three bids. The lesser of the three is from the West Sac dealer for total cost of approximately \$75K.

Please return to the Purchasing Agent the completed copy of this form.

For General Services use only.

Standardization number assigned: 15001

Expires: 2-11-18

DITCH WITCH EQUIPMENT CO., INC.

929 STILLWATER ROAD
 WEST SACRAMENTO, CA 95605-1615
 Phone 916-371-6000
 Fax 916-371-6185

El Dorado Irrigation Dist.
 Att. Rick Touey.
 2890 Mosquito Rd
 Placerville, CA 95667
 (530) 642-4047

Quote: .
Ext. Ref.: .
Description: .
Date: 02/13/2015
Salesperson: Garry Paschal
Mobile: 916-425-0824
E-Mail: gpaschal@dwsac.com

Price Quote

Quote valid for: 60 days, until 04/13/2015

** FX50 **

The FX50 Vacuum Excavation System is both a portable vacuum unit for a variety of utility clean up applications and a powerful "soft" excavating machine for digging precisely controlled excavations to expose buried utilities. The basic unit includes the following: Deutz D2011L03I diesel (49 hp gross) Tier 4i compliant OR Deutz D2.9 L4, water-cooled diesel engine (48.8 hp gross @ 2,600 rpm) EPA Tier 4 and EU Stage IIIA compliant, Insulated engine enclosure, Cylinder assist dumping system, Hydraulic door, Suction tool, Water lance, Antifreeze kit

Item	Qty	Part Number	Description
10	1	FX50	FX50 Vac System
20	1	FX50-CONFIG-A	Config: FX50 Fluid Excavator
30	1	FX50-BASIC-2	FX50: T4F, Suction Only Power Pack
40	1	601-132	WATER HOSE REEL SUB ASSY
50	1	350-3983	TANK AND SKID 800 GAL
60	1	350-4068	GEAR PUMP HYDRAULICS 800 GAL (TIER 4)
70	1	350-4070	800 GAL PARTS ASM
80	1	601-787	SHUTOFF ASSEMBLY
90	1	270-6009	800 GALLON PRODUCTION KIT
100	1	350-2458	WATER TANK SUB, 200 GALLON
110	6	150-3675	BULK HOSE, HIGH TEMP (4", SOLD PER INCH)
120	2	350-3693	FILTER STAND
130	1	350-3880	EXPANSION CANISTER ASSEMBLY
140	1	350-4031	FILTER ASSEMBLY
150	1	350-4066	800 GAL VAC BOOM ASS'Y (GEAR PUMP HYD)
160	1	350-3706	3" & 4" HOSE AND TOOL RACK
170	3	256-630	TRACTOR HYD FLUID (THF)
180	1	319-539	4" SUCTION TOOL (EXTENDABLE)
190	1	320-800	4" HOSE (25')
200	1	T18S	T18S Tandem Axle Trailer
210	1	025-1006	T18S VAC TRAILER

Subtotal before Tax \$ 69,812.25

DITCH WITCH EQUIPMENT CO., INC.

929 STILLWATER ROAD
WEST SACRAMENTO, CA 95605-1615
Phone 916-371-6000
Fax 916-371-6185

El Dorado Irrigation Dist.
Att. Rick Touey.
2890 Mosquito Rd
Placerville, CA 95667
(530) 642-4047

Quote: .
Ext. Ref.: .
Description: .
Date: 02/13/2015
Salesperson: Garry Paschal
Mobile: 916-425-0824
E-Mail: gpaschal@dwsac.com

Price Quote

Quote valid for: 60 days, until 04/13/2015

US Dollars



Quotation

The Charles Machine Works, Inc.
 1959 W.Fir Avenue
 P.O.Box 66,
 Perry, Oklahoma 73077-0066 USA
 Phone No : 580 336 4402
 Fax No : 580 336 0617
 Email : global@ditchwitch.com

Sold-to Party Address
 EK DORADO IRRIGATION DISTRICT
 NJPA # 8050
 2890 MOSQUITO ROAD
 PLACERVILLE CA 95667

Information	
Quotation No.	20091362
Document Date	01/30/2015
Customer No.	508177
Dealership	DITCH WITCH EQUIPMENT CO., INC. WEST SACRAMENTO
PO	_____
Created by	Todd Miller

Global Account Price Quote
Quote Valid until : 03/29/2015
 TAXES ARE AN ESTIMATE AT TIME OF QUOTATION-ACTUAL TAX WILL BE CALCULATED AT TIME OF INVOICING. IF TAXES ARE QUOTED AND THIS IS A TAX EXEMPT TRANSACTION, PLEASE PROVIDE TAX EXEMPT CERTIFICATE OR LEASING DETAILS WITH YOUR PURCHASE ORDER.

FOR MODEL SPECIFICATIONS OR OTHER INFORMATION, VISIT OUR WEBSITE AT WWW.DITCHWITCH.COM

Quotation Details		
Qty	Part Number	Description
1	VAC	Vac
1	FX50A	FX50 Vac System
1	FX50A-BASIC-2	FX50A: T4F, Suction Only Power Pack
1	350-3706	3" & 4" HOSE AND TOOL RACK
1	350-3983	TANK AND SKID 800 GAL
1	350-4070	800 GAL PARTS ASM
1	601-787	SHUTOFF ASSEMBLY
1	350-4068	GEAR PUMP HYDRAULICS 800 GAL (TIER 4)
1	270-6009	800 GALLON PRODUCTION KIT
1	350-4066	800 GAL VAC BOOM ASS'Y (GEAR PUMP HYD)
1	350-3893	WIRELESS SYSTEM - FX50/60
1	350-2458	WATER TANK SUB, 200 GALLON
1	601-132	WATER HOSE REEL SUB ASSY
2	350-3693	FILTER STAND
1	350-3880	EXPANSION CANISTER ASSEMBLY
1	350-4031	FILTER ASSEMBLY

Confidentiality Notice:
 This quote may contain confidential information. The information is intended only for the individual or entity named. If you are not the intended recipient, please immediately notify us at (800)654-6481 to arrange for return of the document.



Quotation

The Charles Machine Works, Inc.
 1959 W.Fir Avenue
 P.O.Box 66,
 Perry, Oklahoma 73077-0066 USA
 Phone No : 580 336 4402
 Fax No : 580 336 0617
 Email : global@ditchwitch.com

Sold-to Party Address
 EK DORADO IRRIGATION DISTRICT
 NJPA # 8050
 2890 MOSQUITO ROAD
 PLACERVILLE CA 95667

Information	
Quotation No.	20091362
Document Date	01/30/2015
Customer No.	508177
Dealership	DITCH WITCH EQUIPMENT CO., INC. WEST SACRAMENTO
PO	_____
Created by	Todd Miller

Global Account Price Quote
Quote Valid until : 03/29/2015

TAXES ARE AN ESTIMATE AT TIME OF QUOTATION-ACTUAL TAX WILL BE CALCULATED AT TIME OF INVOICING. IF TAXES ARE QUOTED AND THIS IS A TAX EXEMPT TRANSACTION, PLEASE PROVIDE TAX EXEMPT CERTIFICATE OR LEASING DETAILS WITH YOUR PURCHASE ORDER.

FOR MODEL SPECIFICATIONS OR OTHER INFORMATION, VISIT OUR WEBSITE AT WWW.DITCHWITCH.COM

Quotation Details		
Qty	Part Number	Description
1	319-539	4" SUCTION TOOL (EXTENDABLE)
1	320-800	4" HOSE (25')
1	025-1022	T18S VAC TRAILER
		Global Account Pricing
		Total Freight
		74,726.50
		1,740.96
		Total Amount
		\$ 76,467.46

Confidentiality Notice:

This quote may contain confidential information. The information is intended only for the individual or entity named. If you are not the intended recipient, please immediately notify us at (800)654-6481 to arrange for return of the document.

EKA, Inc.

2166-A West Park Court • Stone Mountain, GA 30087

866.498.9316 • 770.498.9316 • 770.498.9318 (fax)

www.EKASales.com



Customer Quote

EKA Quote #	Date	Quote valid until:
4175	1/30/2015	3/1/2015

Name / Address	
El Dorado Irrigation Dist. Edward Ruiz 2890 Mosquito Rd Placerville, CA 95667 (530) 642-4125	
Solicitation number	DEALER REQUEST

Delivery Address

Contract Number	Payment Terms	F.O.B. terms	Dealer
EM06-13	NET 30 DAYS	DEST	DW W SAC

Item / Description	Qty	Price Each	Total
DITCH WITCH FX50A FX50 Vac System #FX50A-BASIC-2 FX50A: T4F, Suction Only Power Pack #350-3706 3" & 4" HOSE AND TOOL RACK #350-3983 TANK AND SKID 800 GAL #350-4070 800 GAL PARTS ASM #601-787 SHUTOFF ASSEMBLY #350-4068 GEAR PUMP HYDRAULICS 800 GAL (TIER 4) #270-6009 800 GALLON PRODUCTION KIT #350-4066 800 GAL VAC BOOM ASS'Y (GEAR PUMP HYD) #350-3893 WIRELESS SYSTEM - FX50/60 #350-2458 WATER TANK SUB, 200 GALLON #601-132 WATER HOSE REEL SUB ASSY #350-3693 FILTER STAND (2) #350-3880 EXPANSION CANISTER ASSEMBLY #350-403FILTER ASSEMBLY #319-539 4" SUCTION TOOL (EXTENDABLE) #320-800 4" HOSE (25') #025-1022 T18S VAC TRAILER HGAC #EM06-13	1	78,157.55	78,157.55

DUNS: 07-594-9644; TIN: 58-1328598; Cage Code: 2Y851. We appreciate the opportunity to serve your government business needs.	Total	\$78,157.55
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EL DORADO IRRIGATION DISTRICT

Subject: Resolution Certifying Signatures on the District's El Dorado Savings Bank Checking Account.

Previous Board Action:

The Board annually adopts resolutions certifying signatures on the District's checking accounts to reflect any changes in Board officers and District executive staff.

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

AR 3091.09 requires the District Treasurer to establish procedures to govern all financial transactions.

Summary of Issue

The Board adopts resolutions as necessary to maintain accurate authorized signers for the District's bank accounts. The District maintains four checking accounts at Bank of America for which money is drawn from in the name of El Dorado Irrigation District: Public Funds Checking Account, Controlled Disbursement Account, Non-analyzed Investment Account (Leasing account), and Flexible Spending Health Claims Checking Account. The District also maintains checking accounts at Umpqua Bank and El Dorado Savings Bank for the Sly Park recreation facility.

Staff Analysis/Evaluation

Effective December 8, 2014, Bill George became the District's new Board President, replacing Alan Day. Therefore, Bill George's signature needs to be added to the El Dorado Savings bank signature card, and Alan Day's signature needs to be removed from the bank signature card. This change was not included in a similar agenda item on January 12, because staff was not certain at that time that the District would continue to maintain its El Dorado Savings Bank account.

Two signatures are required on all checks for payment in the name of El Dorado Irrigation District on the District's checking accounts. The Board President Bill George, General Manager Jim Abercrombie, and Director of Finance Mark T. Price are approved signers on the accounts. The attached draft resolution resolves the relationship between the District and El Dorado Savings Bank and authorizes certain persons to sign checks on behalf of the District.

Board Decisions/Options:

Option 1: Adopt resolution certifying signatures for the El Dorado Savings Bank checking account.

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

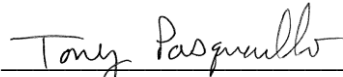
Option 3: Take no action.

Staff/General Manager's Recommendation

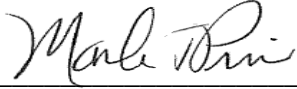
Option 1.

Supporting Documents Attached

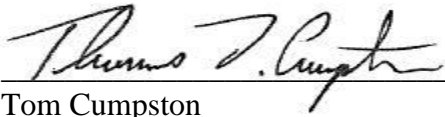
A. Proposed Resolution for Certification of Signatures – El Dorado Savings Bank



Tony Pasquarello
Accounting Manager



Mark Price
Director of Finance



Tom Cumpston
General Counsel



Jim Abercrombie
General Manager

Resolution No. 2015-xxx

**RESOLUTION OF THE BOARD OF DIRECTORS
OF EL DORADO IRRIGATION DISTRICT
CERTIFICATION OF SIGNATURES-EL DORADO SAVINGS BANK
CHECKING ACCOUNT**

BE IT RESOLVED that the EL DORADO IRRIGATION DISTRICT has established in its name an account with EL DORADO SAVINGS BANK, upon such terms and conditions as may be agreed upon between the parties, and that the General Manager of the District be and hereby is authorized to establish and maintain such account; and

BE IT FURTHER RESOLVED that the persons of the EL DORADO IRRIGATION DISTRICT named below be and hereby are authorized to sign checks on behalf of the EL DORADO IRRIGATION DISTRICT.

BE IT FURTHER RESOLVED that the bank is hereby requested, authorized and directed to honor all checks for payment of money drawn in the name of the El Dorado Irrigation District on its SLY PARK RECREATION AREA checking account, including those drawn to individual orders of any person or persons whose names appear thereon as signer(s) thereof, when such checks bear the signatures of any two persons of EL DORADO IRRIGATION DISTRICT named below, and further that the facsimile signatures for Board President Bill George, General Manager Jim Abercrombie, and Director of Finance Mark T. Price shall be deemed good and sufficient signatures for such purpose.

BE IT FURTHER RESOLVED that the specimen signatures appearing opposite the names and titles below are the genuine signatures of such persons:

		<u>Signatures</u>
Bill George	President, Board of Directors	_____
Jim Abercrombie	General Manager	_____
Mark T. Price	Director of Finance	_____

BE IT FURTHER RESOLVED that Clerk to the Board Jennifer Sullivan duly certifies the genuineness of said signatures of the foregoing persons of EL DORADO IRRIGATION DISTRICT.

BE IT FURTHER RESOLVED that this Resolution shall take effect and be effective immediately upon its adoption.

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The foregoing Resolution was introduced at a regular meeting of the Board of Directors of EL DORADO IRRIGATION DISTRICT, held on the 9th day of March 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
EL DORADO IRRIGATION DISTRICT

ATTEST:

Jennifer Sullivan
Clerk to the Board
EL DORADO IRRIGATION DISTRICT

(SEAL)

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I, the undersigned, Clerk to the Board of 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 EL DORADO IRRIGATION DISTRICT entered into and adopted at a regular meeting of the Board of Directors held on the 9th day of March 2015.

Jennifer Sullivan
Clerk to the Board
EL DORADO IRRIGATION DISTRICT

EL DORADO IRRIGATION DISTRICT

Subject:

Consideration to award a contract to Global Power Group for the purchase of five stationary generators to be installed at water and wastewater facilities in the not-to-exceed amount of \$227,000, plus tax. Authorize total funding of \$44,730 for Project No. 13008.01 and \$45,880 for Project No. 12012.01 to supplement the current funding balance of \$236,374.

Previous Board Action:

December 10, 2012 – The Board awarded a contract to Cummins West Inc. for the purchase of two stationary generators to be installed in wastewater lift stations.

October 14, 2014 – The Board adopted the 2015 – 2019 Capital Improvement Plan, which included the water and wastewater generator CIP projects, subject to funding availability

January 13, 2014 - The Board awarded a contract to California Diesel and Power for the purchase of four stationary generators to be installed at water facilities.

January 26, 2015 - The Board awarded a contract to Energy Systems for the purchase of five stationary generators to be installed at water and wastewater facilities.

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

BP 3060 requires Board approval for all purchases over \$50,000. AR 3061.1(a)(1) provides that competitive sealed bids shall be awarded to the lowest responsible and responsive bidder.

Summary of Issue:

Several facilities within the District's water and wastewater system require backup power generators for the purposes of providing temporary power during power outages. The Wastewater and Water Generator Replacement programs have been an annual CIP program in which facilities are evaluated and scheduled for either new installation or replacement generators as necessary.

The Board awarded a contract to Energy Systems on January 26, 2015 for the purchase of five generators. During the submittal process after Board award, it was determined that Energy Systems would not be able to supply the engines required in the specifications. The specifications required the bidder to submit engine and generators pre-approved in the specifications. If the bidder submits a different engine or generator that was not listed in the

specifications, they were required to provide a request for substitution for consideration no less than 10 days prior to the bid date. The engine provided in the submittal process by Energy Systems was not on the pre-approved list and was not submitted for consideration as an equal substitution prior to the bid date. Their purchase order has been cancelled.

Staff Analysis/Evaluation:

The five generators include:

- Reservoir A Water Treatment Plant 350 kW
- Swansboro Pump Station 85 kW
- Herbert Green Lift Station 100 kW
- Waterford 8 Lift Station 50 kW
- Waterford 9 Lift Station 50 kW

Bidding Process

Engineering staff worked with operations staff to develop a specification which delineated the requirements for replacement generators. The specification was sent out for bidding of five generators and bids were received on January 6, 2015. Two bids were from the same bidder with two options. The bids submitted were as follows:

<u>Company</u>	<u>Bid Total</u>
Energy Systems (option 2)	\$169,300
Leete Generators	\$184,389
Global Power Group Inc.	\$227,000
CA Diesel and power	\$244,467
Energy Systems (option 1)	Non responsive

Energy Systems (Option 2) was the apparent low bidder. After the award and during the submittal process, it was discovered that Energy Systems could not furnish the specified generators and did not include anything in their bid to indicate this, nor did they request any substitution during the bidding period as required. Therefore staff cancelled their contract and contacted the next highest bidder, Leete Generators. Their bids also did not include the pre-approved engines required in the specifications, nor did they request an equal substitution prior to the bid date as required by the specifications. Therefore staff contacted Global Power Group and determined their bid did include the specified generators and is responsive to the contract.

In order to avoid future issues with non-responsive bids, staff has added to the specification the following language.

*“Items that are not provided or are exceptions from the specification, shall be clearly denoted on one separate list entitled “Omissions and Exceptions” and submitted with the bid. If there are no exceptions from the specifications then denote “none” on the list. **Any bids received without the “Omissions and Exceptions” list will be rejected.**”*

Environmental Review

Staff determined that the project is categorically exempt from the California Environmental Quality Act (CEQA) as a Class 2 exemption (Replacement or Reconstruction of Facilities), pursuant to Section 15302 of the CEQA Guidelines. The District fulfilled the CEQA requirements during the initial contract award on January 26, 2015.

Funding:

Additional funding is needed as a result of awarding the contract to Global Power and to fully capitalize District labor to install the generators.

Water Generators (PN13008)

Funding for the purchase and installation of the stationary generators is from Water Rates (100%).

Funding Summary

Global Power Group (two generators)	\$ 129,200
Tax (8%)	10,336
Materials, concrete, permits	10,000
Contingency	12,025
Capitalized Labor	14,000
<hr/> Subtotal	\$ 175,561
<hr/> Current project balance	<hr/> \$(130,831)
 Total requested funding	 \$ 44,730

Wastewater Generators (PN12012)

Funding for the purchase and installation of the stationary generators is from Wastewater Rates (100%).

Funding Summary

Global Power Group (three generators)	\$ 97,800
Tax (8%)	7,824
Materials, concrete, permits	15,000
Contingency	9,799
Capitalized Labor	21,000
<hr/> Subtotal	\$ 151,423
<hr/> Current project balance	<hr/> \$(105,543)
 Total requested funding	 \$ 45,880

Board Decision/Options:

Option 1: Award a contract to Global Power Group for the purchase of five stationary generators to be installed at water and wastewater facilities in the not-to-exceed amount of \$227,000, plus tax. Authorize total funding of \$44,730 for Project No. 13008.01 and \$45,880 for Project No. 12012.01 to supplement the current funding balances of \$236,374.

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

Option 3: Take no action.

Staff/General Manager's Recommendation:

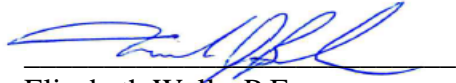
Option 1.

Support Documents Attached:

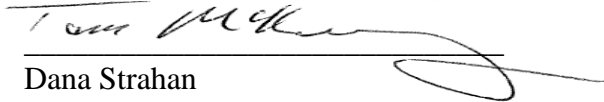
- A. Bid Summary
- B. CIP Summaries
- C. Global Power Group Inc. Bid Form



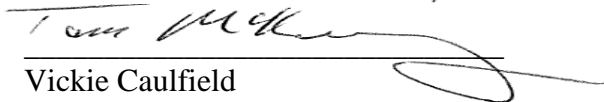
Tim Sullivan, P.E.
Senior Engineer



Elizabeth Wells, P.E.
Engineering Manager



Dana Strahan
Operations Manager



Vickie Caulfield
Operations Manager



Brian Mueller
Director of Engineering



Mark Price
Director of Finance



Jim Abercrombie
General Manager

EL DORADO IRRIGATION DISTRICT

FIVE STATIONARY DIESEL GENERATORS

PROJECT NO. ; CONTRACT NO. P14-09

Bid Opening: 1/06/15 3pm


SUMMARY OF BIDS RECEIVED

ITEM NO.	WORK OR MATERIAL	QUANTITY	UNIT	ENERGY SYSTEMS	Energy Systems "Adder" Bid	LEETE GENERATORS	GLOBAL POWER GROUP, INC.	CA Diesel & Power
				Stockton, CA	Stockton, CA	Santa Rosa, CA	Lakeside, CA	Sacramento, CA
				UNIT PRICE (FIGURES)	UNIT PRICE (FIGURES)	UNIT PRICE (FIGURES)	UNIT PRICE (FIGURES)	UNIT PRICE (FIGURES)
1	One (1) 50 KW Generator	1	EA	<u>21,250.00</u>	<u>21,250.00</u>	<u>27,775.00</u>	<u>30,600.00</u>	<u>33,889.00</u>
2	One (1) 50 KW Generator	1	EA	<u>21,250.00</u>	<u>21,250.00</u>	<u>27,775.00</u>	<u>30,600.00</u>	<u>33,889.00</u>
3	One (1) 85 KW Generator	1	EA	<u>26,550.00</u>	<u>29,050.00</u>	<u>30,368.00</u>	<u>35,600.00</u>	<u>41,795.00</u>
4	One (1) 100 KW Generator	1	EA	<u>29,550.00</u>	<u>29,550.00</u>	<u>33,625.00</u>	<u>36,600.00</u>	<u>41,795.00</u>
5	One (1) 350 KW Generator	1	EA	<u>68,200.00</u>	<u>68,200.00</u>	<u>64,846.00</u>	<u>93,600.00</u>	<u>93,099.00</u>
TOTAL				\$ 166,800.00	\$ 169,300.00	\$ 184,389.00	\$ 227,000.00	\$ 244,467.00

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

PROJECT NO. ; CONTRACT NO. P14-09

PREPARED BY: Edward Ruiz
Buyer II



Tim Sullivan, P.E., F. ASCE, Project Engineer

2015

CAPITAL IMPROVEMENT PLAN

Program:

Water

Project Number:

13008

Project Name:

Water Generator Replacement

Project Category:

Reliability & Service Level Improvements

Priority:

2

PM:

Sullivan

Board Approval:

10/14/14

Project Description:

The District does not maintain adequate emergency back-up power for many of the water pump stations and treatment facilities. In addition, some generators are at the end of their service life and are in need of replacement.

In 2014 four generators were purchased and installed by in-house staff of which one generator was a replacement at a water treatment facility and three were new installations for pumps stations that had no previous backup power. Staff intends to continue this program annually until a substantially reliable level of backup power is present in all critical locations.

Basis for Priority:

Treatment facilities and many of the pump stations supply fire hydrants yet do not have standby back-up power, posing significant public safety risk.

Project Financial Summary:

Funded to Date:	\$ 395,694	Expenditures through end of year:	\$ 395,694
Spent to Date:	\$ 272,292	2015 - 2019 Planned Expenditures:	\$ 250,000
Cash flow through end of year:	\$ 123,402	Total Project Estimate:	\$ 645,694
Project Balance	\$ (0)	Additional Funding Required	\$ 250,000

Description of Work	Estimated Annual Expenditures					
	2015	2016	2017	2018	2019	Total
Study/Planning						\$ -
Design						\$ -
Construction		\$ 125,000		\$ 125,000		\$ 250,000
						\$ -
TOTAL	\$ -	\$ 125,000	\$ -	\$ 125,000	\$ -	\$ 250,000

Funding Sources	Percentage	2015	Amount
Water Rates	100%		\$0
Total	100%		\$0

Funding Comments:

Project Number: 12012
Project Name: Wastewater Generator Replacement Program
Project Category: Reliability & Service Level Improvements
Priority: 2 **PM:** Sullivan **Board Approval:** 10/14/14

Project Description:

The District currently has 45 permanently located (stationary) generators within the wastewater collections system. Thirteen are larger than 200 Kw and are emergency standby power at the wastewater and water treatment plants as well as pumping stations. Some of the sewer lift stations also have either diesel or propane generators for emergency power. This program is to replace these aging assets to ensure reliable service and safe operations at our facilities.

Basis for Priority:

Replace failing assets to ensure operation of collection system lift stations.

Project Financial Summary:			
Funded to Date:	\$ 265,053	Expenditures through end of year:	\$ 426,473
Spent to Date:	\$ 216,473	2015 - 2019 Planned Expenditures:	\$ 460,000
Cash flow through end of year:	\$ 210,000	Total Project Estimate:	\$ 886,473
Project Balance	\$ (161,420)	Additional Funding Required	\$ 621,420

Description of Work	Estimated Annual Expenditures					Total
	2015	2016	2017	2018	2019	
Study/Planning			\$ 10,000		\$ 10,000	\$ 20,000
Design			\$ 20,000		\$ 20,000	\$ 40,000
Construction			\$200,000		\$200,000	\$ 400,000
						\$ -
TOTAL	\$ -	\$ -	\$ 230,000	\$ -	\$ 230,000	\$ 460,000

Funding Sources	Percentage	2015	Amount
Wastewater Rates	100%		\$161,420
			\$0
			\$0
Total	100%		\$161,420

Funding Comments: Project replaces existing assets to ensure reliability in collection system.

Exhibit A – Bid Form



COPY

RFB P14-09

THIS BID IS SUBMITTED BY:

Global Power Group, Inc.

(Firm/Company Name)

FIVE STATIONARY DIESEL GENERATORS
RFB P14-09

ITEM	DESCRIPTION	QUANTITY	UNIT	BID PRICE
1.	50 KW generator	1	Each	\$ 27,000
2.	<u>Delivery</u> of 50 KW generator	1	Each	\$ 600
3.	<u>Field Test</u> of 50 KW generator	1	Each	\$ 3,000
4.	50 KW generator	1	Each	\$ 27,000
5.	<u>Delivery</u> of 50 KW generator	1	Each	\$ 600
6.	<u>Field Test</u> of 50 KW generator	1	Each	\$ 3,000
7.	85 KW generator	1	Each	\$ 32,000
8.	<u>Delivery</u> of 85 KW generator	1	Each	\$ 600
9.	<u>Field Test</u> of 85 KW generator	1	Each	\$ 3,000
10.	100 KW generator	1	Each	\$ 33,000
11.	<u>Delivery</u> of 100 KW generator	1	Each	\$ 600
12.	<u>Field Test</u> of 100 KW generator	1	Each	\$ 3,000
13.	350 KW generator	1	Each	\$ 90,000
14.	<u>Delivery</u> of 350 KW generator	1	Each	\$ 600
15.	<u>Field Test</u> of 350 KW generator	1	Each	\$ 3,000

WX8

WF9

SWANSHORO

HERBERT GREEN

RESA

30,600

30,600

35,600

36,600

93,600

Total Bid Price: \$ 227,000

Total Bid Price Written In Words: Two-hundred, twenty-seven thousand

In submitting this bid, bidder agrees to all of the terms and conditions of this Request for Bids and agrees to keep this bid open for acceptance by El Dorado Irrigation District (EID) for sixty (60) calendar days from the date that it is opened by EID. Bidder certifies (or declares) under penalty of perjury under the laws of the State of California that: all of the information submitted with this bid is true and correct; and that the person signing below is duly authorized to submit this bid on behalf of bidder.

Signature of Bidder

smartorana@gppower.com
E-mail

619-579-1221
Cell Phone

End of Exhibit A

EL DORADO IRRIGATION DISTRICT

SUBJECT: Review of the District's Drought Action Plan.

Previous Board Actions:

February 4, 2014 – The Board Adopted Resolution No. 2014-006 declaring a Stage 2 Water Supply Warning.

March 24, 2014 – The Board reviewed the District's Drought Action Plan and progress on customer drought response.

April 2, 2014 – The Board held a workshop to discuss and receive information from the public regarding the District's Drought Action Plan update.

April 14, 2014 – The Board approved the Drought Action Plan with changes recommended by staff and additional revisions.

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

BP 5010 Water Supply Management states that the Board is committed to provide a water supply based on the principles of reliability, high quality, and affordability in a cost-effective manner with accountability to the public. It is the General Manager's responsibility to ensure that the tenets of this policy are carried out in an open, transparent manner through sound planning, to assure preparedness under varying conditions, and effective management.

BP 5040 Drought Preparedness and Climate Variability states that the Board supports the adoption and implementation of a drought preparedness plan to ensure a proactive response to the impacts of drought conditions.

Summary of Issue:

The Drought Action Plan was prepared in 2012 and updated in 2014. The plan describes the actions necessary for each stage of a drought in a simplified format for ease of use by the District and our customers. The Board requested another review of the Drought Action Plan for discussion of potential revisions heading into 2015.

Staff Analysis/Evaluation:

A copy of the 2014 Drought Action Plan is attached with staff proposed changes highlighted.

Drought rates

One proposed modification is to eliminate implementation of drought rates in Stage 1 and Stage 2. Staff learned in 2014 that customers responded to aggressive public outreach and communication materials to meet the District's conservation goals. However, staff recommends

maintaining drought rates for Stage 3 and Stage 4 when the severity of the water supply situation would be escalated and every tool would be needed to ensure conservation goals are met.

Drought stages

Staff also discussed the option of reducing the Stage 2 drought conservation goal from 30% to 20% to match the State requirement. The drought stage definitions (15%, 30%, 50%) were developed in 2008 by EID, El Dorado County Water Agency and public representatives as a logical escalating degree of drought conditions and corresponding anticipated EID supply shortfalls during a drought. Reducing the Stage 2 goal to 20% would be consistent with the State and would match the actual conservation that was achieved in 2014. It is presumed this would also require a corresponding reduction in Stage 1 to approximately 10%.

However, after consideration staff is not recommending this change. We appear to be entering into another year of extremely dry conditions and extended drought. Reducing our conservation goal in the middle of the drought may not be a beneficial or consistent message to send to our customers. Also, staff is proposing flow reduction variances to our stream flow requirements of Project 184 due to these unprecedented conditions in order to preserve our pre-1914 water rights and maintain adequate reserve storage in Caples Lake in case dry conditions extend into 2016. This proposal requires consultation with the State Water Board, United States Forest Service, California Department of Fish and Wildlife, and Ecological Resources Committee, and ultimate approval by the Federal Energy Regulatory Commission. Reducing our targeted conservation goals at this time is likely to hinder consultation and approval of a stream flow variance. Therefore, staff recommends maintaining the current drought stages and conservation goals. Once this drought is over, modifications can be proposed for the various stages if warranted to account for lessons learned in this drought and in preparation for the next drought.

Public health and safety allocations

In a Stage 4 water emergency, the Drought Action Plan limits residential customers to a health and safety allotment of 68 gallons per person per day. In 2014, Stage 4 was invoked for EID's Outingdale customers after the state curtailed the water right the District uses to serve Outingdale. The state, however, defines public health and safety to be 50, not 68 gallons per person per day, and required EID to comply with this lower figure in Outingdale.

The origin of the Plan's 68-gallon figure is unclear. To provide consistency with the state's definition, staff proposes reducing the Stage 4 health and safety allotment for residential customers to 50 gallons per person per day.

WaterSmart program

In May of 2014, the District entered into a six-month pilot study contract with WaterSmart, a software program designed to help residential customers conserve water by allowing them to monitor their water consumption through bi-monthly reports and an online portal. This water conservation pilot program was offered to approximately 11,000 residential customers in El Dorado Hills because of the high percentage of accounts in that service area with email addresses on file. Of the 11,000 customers, approximately 60% had email addresses at which they received their Home Water Reports. A total of four Home Water Reports were sent out to the customers notifying them of their usage, comparing them to other homes in El Dorado Hills with similar lot and home sizes (neighbors), and providing conservation tips and rebate information.

While initially the District saw a jump in the overall engagement with the new tool, the involvement of the customers dropped off significantly by the time the last report was sent out at the end of December 2014. Overall, about 15% of the customers created an online profile to view additional information regarding their accounts usage. However, only 7% of the customers who received their electronic Home Water Report in December clicked through it to obtain more information.

As a comparison, staff calculated the water savings of residential customers in El Dorado Hills to that of residential customers in the Cameron Park area, to determine if the WaterSmart tool correlated to an additional savings in water from 2013 to 2014. While El Dorado Hills customers conserved at about a 3% higher rate than Cameron Park customers in the initial phase of the program in the July/August billing period, the reverse was true in the September/October and November/December billing periods. During those periods, Cameron Park customers achieved a conservation rate that was 9% higher than El Dorado Hills customers.

In addition, EID staff was not able to verify the origin of the comparison data nor did the comparison data provide realistic consumption goals. This created a negative interaction with our customers instead of providing an avenue for positive interaction/information exchange to meet the District’s conservation goals.

Based on these observations, the District will not be renewing its contract with WaterSmart at this time. Staff will continue to look for ways to improve the EID online webpage to engage customers with water savings tips and information.

Mailing	Send Date	Emailed	Open Rate (%)	Click Rate (%)
December	12/28/2014	6,984	65%	7%
October	10/21/2014	7,034	48%	8%
August	8/20/2014	6,953	68%	14%
June	6/24/2014	6,865	68%	25%

Month	Calls	Emails
June	51	69
July	113	23
August	69	78
September	33	6
October	28	20
November	9	2
December	8	4
January	18	2

City	July/August Savings	September/October	November/December
El Dorado Hills	37%	31%	31%
Cameron Park	34%	40%	40%

Summary

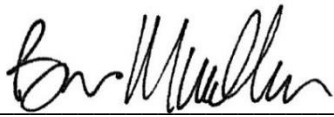
Staff will incorporate input and potential revisions to the Drought Action Plan from this discussion for approval at a subsequent meeting.

Board Decisions/Options:

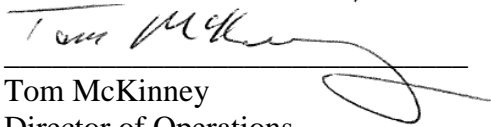
None – Information only

Support Documents:

A. Drought Action Plan – Draft 2015 Update



Brian Mueller
Director of Engineering



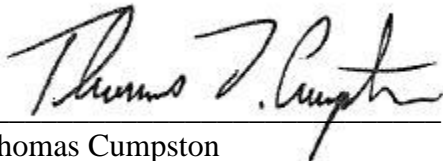
Tom McKinney
Director of Operations



Mary Lynn Carlton
Director of Communications/Community Relations



Mark Price
Director of Finance



Thomas Cumpston
General Counsel



Jim Abercrombie
General Manager



DROUGHT ACTION PLAN

~~2014~~2015
Update

PURPOSE. This Drought Action Plan serves as a detailed work plan for El Dorado Irrigation District staff, not only during drought conditions, but before and after as well. It includes specific actions for management of the District's water supply and demand, addresses the impacts associated with drought, and facilitates the timely implementation of effective drought responses.

CHANGES. The foundation of this action plan is the District's Drought Preparedness Plan, which was adopted by the Board of Directors in January of 2008. The drought stages and their corresponding titles have been updated from three to four stages, however, and now conform to the February 2010 member recommendations of a Regional Water Authority workgroup that was tasked with developing consistent messaging in the greater Sacramento region during drought conditions. District staff also refined the customer actions of the Drought Preparedness Plan; and these voluntary, mandatory, and prohibited actions are listed in the water efficiency sections of each drought stage.

ADOPTION. The Drought Action Plan was adopted by the Board on February 4, 2014. Subsequent revisions to the Plan were ~~approved on April 14, 2014~~presented to the Board on April 14, 2014.

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1.0 Introduction

1.1 Purpose of this Plan

In 2007, the El Dorado Irrigation District (EID or District) and the El Dorado County Water Agency (EDCWA) completed comprehensive drought preparedness plans that provided indicators and modeling tools to determine when El Dorado County, and specifically each water purveyor, might enter into drought conditions. In January of 2008, the EID Board of Directors adopted the District's Drought Preparedness Plan. District staff then developed an internal action plan to address specific tasks and detailed actions, which was completed in March of 2009, and was based upon the drought metrics and customer responses provided in EID's Drought Preparedness Plan.

This 2012 updated Drought Action Plan (Plan) continues to serve as a detailed work plan for District staff in order to prepare for and address drought conditions. It includes specific actions regarding the management of water supply and demand, addresses the impacts associated with drought, and facilitates a District-wide drought response that is both timely and effective. This Plan is also listed in Part III of the District's Emergency Operations Plan.

1.2 Summary of Drought Stages

All declarations of drought stages occur by action of the EID Board of Directors. As a policy, EID implements the same drought stage and employs the same response measures throughout its' geographical water supply regions, making public outreach and implementation consistent and effective. For an example of a drought declaration, resolution, and staff report, refer to the March 23, 2009 Board packet and Public Hearing Item Number 9.

The drought stages now defined by this Plan are consistent with the February 26, 2010 recommendations of a Regional Water Authority (RWA) work group, which consisted of ten member agencies in the Sacramento region. The group was tasked with developing a regional water shortage contingency plan that would provide consistent messaging for the region, and ranges from Stages 1 through 4 as the water shortage becomes progressively worse. When a drought stage is declared by the water purveyor's governing body, as deemed necessary, the individual purveyors would also determine the actual water demand reductions for each declared stage.

The four stages of the EID Drought Action Plan depend upon District water supply conditions, and the corresponding response requested of our customers. For normal water supply conditions, the District would continue to implement water conservation measures and prohibit water waste, while raising public awareness regarding water efficiency practices. If water supplies become slightly restricted, the Plan calls for an introductory **Stage 1** drought response, during which customers are informed of possible shortages and asked to voluntarily conserve up to 15 percent. At **Stage 2** when water supplies become moderately restricted, both voluntary and mandatory measures are implemented to achieve a demand reduction goal of up to 30 percent. If water supplies subsequently become severely restricted, a **Stage 3** drought can be called with the enforcement of mandatory measures to achieve a demand reduction goal of up to 50 percent. Lastly, if drought conditions persist and the District experiences extremely restricted water supplies, then a **Stage 4** can be implemented that requires water rationing for health and safety purposes in order to achieve a greater than 50 percent reduction of demands.

Table 1 below summarizes these water supply conditions and the corresponding drought stages, titles, and objectives; along with the expected response actions and demand reduction targets. The stage titles are taken from the RWA workgroup recommendations.

Table 1 - Drought Stages Summary

Water Supply Conditions	Drought Stage	Stage Title	Stage Objective	Response Actions
Normal Water Supply	None - Ongoing water conservation and enforcement of water waste prohibition.	Normal Conditions	Public awareness of water efficiency practices and prohibition of water waste.	Public outreach and education for ongoing water efficiency practices and the prohibition of water waste.
Slightly Restricted Water Supplies Up to 15% Supply Reduction	Stage 1 Introductory stage with voluntary reductions in use.	Water Alert	Initiate public awareness of predicted water shortage and encourage conservation.	Encourage voluntary conservation measures to achieve up to a 15% demand reduction.
Moderately Restricted Water Supplies Up to 30% Supply Reduction	Stage 2 Voluntary and mandatory reductions in water use.	Water Warning	Increase public awareness of worsening water shortage conditions. Enforce mandatory measures such as watering restrictions.	Voluntary conservation measures are continued, with the addition of some mandatory measures to achieve up to a 30% demand reduction.
Severely Restricted Water Supplies Up to 50% Supply Reduction	Stage 3 Mandatory reductions in water use.	Water Crisis	Enforce mandatory measures and/or implement water rationing to decrease demands.	Enforce mandatory measures to achieve up to a 50% demand reduction.
Extremely Restricted Water Supplies Greater than 50% Supply Reduction	Stage 4 Water rationing for health and safety purposes.	Water Emergency	Enforce extensive restrictions on water use and implement water rationing to decrease demands.	Enforce mandatory measures to achieve greater than 50% demand reduction.

1.3 Action Plan Organization

This document will focus on those activities directly impacting the management of water supply and demand, along with the customer services that would be modified to address changing drought conditions. The tasks and duties in this Plan are organized by function rather than by department. There are a number of policies that are identified as drought conditions occur. Revisiting and updating drought policies during and after a drought are essential to continuing the benefit and effectiveness of this Plan.

1.4 Applicable Water Codes

During times of water shortage, there are actions the District may take that are not solely based upon internal policies and regulations. Several California Water Code Sections and California Codes of Regulation grant authority to or mandate the water purveyor to declare drought conditions and implement drought stages. Included below are **summaries** of specific actions required during water shortage conditions; however, the official California Water Code or California Code of Regulations should be referenced for the complete language of the section.

Title 23, California Code of Regulation, Section 865 – Mandatory Actions by Water Suppliers – To promote water conservation, each urban water supplier shall implement all requirements and actions of the stage of its water shortage contingency plan that imposes mandatory restrictions on outdoor irrigation of ornamental landscapes or turf with potable water.

Section 350 – The governing body of the water purveyor may declare a water shortage emergency condition whenever it determines that ordinary demands cannot be satisfied without depleting supplies to the extent that there would be insufficient water for human consumption, sanitation, and fire protection.

Section 351 – The declaration shall be made only after a public hearing is held, at which consumers have an opportunity to protest and to present their respective needs to the governing body. There is an exception for a breakage or failure that causes an immediate emergency.

Section 352 – At least seven days prior to the date of the public hearing, a notice of the time and place of the hearing shall be published in a newspaper that is distributed within the water purveyor's service area.

Section 353 – When the governing body has declared a water shortage emergency condition within its service area, it shall adopt regulations and restrictions on the delivery and consumption of water supplied for public use in order to conserve water supply for the greatest public benefit, with particular regard to domestic use, sanitation, and fire protection.

Section 354 – After allocating the amount of water, which in the opinion of the governing body will be necessary to supply domestic use, sanitation, and fire protection, the regulations may establish priorities in the use of water for other purposes – without discrimination between consumers using water for the same purpose.

Section 355 – These regulations and restrictions shall remain in effect during the water shortage emergency condition, and until the water supply has been replenished or augmented.

Section 356 – These regulations and restrictions may prohibit new or additional service connections, and authorize discontinuing service to consumers willfully in violation of a regulation or restriction.

Section 357 – These regulations and restrictions prevail over any conflicting laws governing water allocations while the water shortage emergency condition is in effect.

Section 22257 – An irrigation district may impose equitable rules and regulations, including controls on the distribution and use of water, as conditions of ongoing service to its customers.

1.5 Drought and Water Management Tools

There are resources available to aid water purveyors and individuals before, during, and after a drought. Below is a brief description of a few of these tools.

- **California Urban Drought Guidebook**– a publication providing help to water managers facing water shortages by showing them how to use tried-and-true methods of the past, such as demand management, conservation analysis, and fiscal considerations; as well as new methods and technology such as ET controllers and cooling system efficiencies. Download the Urban Drought Guidebook, 2008 Updated Edition at: http://www.water.ca.gov/pubs/planning/urban_drought_guidebook/urban_drought_guidebook_2008.pdf
- **DWR Office of Water Use Efficiency** – makes available technical expertise, manages the CIMIS weather station network, carries out demonstration projects and data analysis to increase efficiency where possible, and provides loans and grants to achieve efficiency in water and energy. This information can be found at www.owue.water.ca.gov.
- **DWR Drought Conditions** – a webpage providing State and regional updates with regards to water conditions. More information can be found at <http://www.water.ca.gov/waterconditions/>
- **U.S. Bureau of Reclamation Drought Program** – aids federal water contractors and other interested parties in a wider view of drought conditions, encompassing the western United States. Staff from this program will also provide technical assistance, grant and loan funding, and expertise in drought planning. Information on this Bureau program can be found at www.usbr.gov/drought.
- **California Urban Water Conservation Council** – an organization serving water purveyors and environmental stakeholders through a collaborative process. Provides best management practices (BMPs) for municipal water conservation, as well as technical expertise for the implementation of these BMPs. More information can be found at www.cuwcc.org.

2.0 Coordination and Guidelines

EID's drought response should be managed by participants in the District's Drought Response Team (DRT), which should include department heads and/or their appointed representative and the General Manager. The DRT will coordinate with other agencies in the county and region through a Drought Interagency Coordination Committee (DICC) managed by the El Dorado County Water Agency. Responding to a drought in El Dorado County should include a number of tactics and agencies, so this multi-level management team with function-specific responsibilities is an important planning device for collaborative and comprehensive drought event management.

2.1 Drought Response Team

The Drought Preparedness Plan emphasized the importance of a DRT for inter-District drought management. Initially, the DRT should be made up of staff representing the following functions.

- Engineering and Operations
- Finance and Customer Services
- Legal
- Public Outreach
- Recreation and Property
- Water Efficiency

This list may be narrowed down due to staff availability and specific needs, as different functions may not be necessary in all situations nor at all times.

Role and Responsibilities

The DRT will be responsible for monitoring the activities of the District with regard to general drought management, including issues of timing, policy, public relations, financial solvency, customer education, facility operations, environmental considerations, and public health. The EID Board of Directors should be updated by the General Manager and/or staff at regular and special board meetings. During cases of extreme drought, updates may occur more often by e-mail or by phone, consistent with the requirements of the Ralph M. Brown Open Meetings Act.

The DRT should meet periodically during normal water supply conditions to discuss updates and other important ongoing considerations. The group would meet more often as drought events occur and worsen, perhaps once per week or even once per day in extreme cases. A DRT meeting may be requested by any member, but should be facilitated and convened jointly by the Customer Services and Water Operations Managers or as designated by the General Manager.

Another important component of the DRT function during the early stages of drought is to make preparations for subsequent stages, including an examination of staff levels, financial resources, water waste enforcement staff resources, and areas of collaboration among other agencies in the region. It is also important for the DRT to recognize that some of the activities recommended by this Plan may not be possible at current staffing levels and with current financial resources.

2.2 Drought Monitoring and Modeling

While County-wide strategies and mechanisms can be discussed by the DICCC, monitoring of individual water supplies and drought conditions are the responsibility of each water purveyor. Within EID, drought monitoring will be the combined task of engineering and operations. It is important that staff use the sources of information and drought tools available to them to ensure adequate monitoring. Because drought is the leading hazard of economic loss in the United States each year, monitoring regional and long-term trends within the United States will enable EID to be better prepared for drought. Local drought conditions can change very quickly, but if staff frequently monitors the climatic conditions that cause hydrologic drought, EID will be better equipped to manage District-wide concerns.

Drought Tools

Therefore, the two main tools appropriate to meet these goals of drought monitoring are as follows.

- 1) **National Drought Monitor** – This tool is available on a weekly basis as an email update, and consists of a map of the United States, a corresponding narrative of drought conditions, and weekly predictions of future conditions. This information is also available through the U.S. government’s drought portal at the following website address.

http://www.drought.gov/portal/server.pt/community/drought_indicators/us_drought_monitor

The drought portal also includes several indices and corresponding maps, including long term meteorological conditions, standardized precipitation, drought severity, surface water supply, soil moisture conditions, and crop moisture for short-term droughts.

- 2) **Supply Remaining Index (SRI Model)** – This tool was initially developed during the County-wide process of drought preparedness planning, and then further refined by EID. The SRI Model calculates a supply remaining index and yields a multi-colored “dashboard” display, which indicates the current drought stage. The tool is an Excel file that uses current and real-time data, including EID reservoir levels, the water year type as determined by the California Department of Water Resources, and the ENSO¹ cycle from the National Oceanic and Atmospheric Administration’s Climate Prediction Center.

Both tools provide important considerations in the monitoring of possible drought events, and should be used collaboratively by engineering and operations staff, with the findings discussed at the periodic DRT meetings. In the end though, staff experience and knowledge regarding the District’s water supply system will always be an important component of the DRT analysis.

2.3 Interagency Coordination

The County’s Drought Interagency Coordination Committee includes regional partners and water purveyors. The team would meet monthly during a drought to discuss the issues of water supply and demand, conjunctive use, and environmental needs. EID staff should attend these coordination meetings, as designated by the General Manager.

MONITORING – Communication among agencies of their drought indicator status would allow each agency to understand the current conditions of the other water purveyors.

PUBLIC OUTREACH – Development of drought education tools, plus collaboration on public education and outreach, provides efficiency and consistency within the region.

¹ ENSO is “El Niño Southern Oscillation,” which is an episode of oceanic cycles used to predict whether the Pacific Ocean will be in a La Niña or El Niño cycle – warm or cold episodes – that can influence weather patterns such as heavy precipitation or drought conditions in California and the western United States.

RESOURCE SHARING – Collaboration resources, including: staff, grant funding, monitoring tools, infrastructure, water, and educational outreach tools; would allow agencies to support each other efforts in the community.

2.4 Drought Guidelines and Definitions

There are a number of circumstances during a drought in which the District would be required to make and implement decisions that are not solely based upon water supply availability, such as how long to stay in a drought stage, and how demand reductions should be quantified. It is also important to clearly define in advance the base periods that will be employed for each user class during the drought event.

Overall Guidelines

Below is a list of drought guidelines developed to assist staff in managing the drought event.

- 1) The District will strive to stay within each stage of drought for a complete billing cycle (at least 2 months) for the equitable implementation of drought rates and effective public outreach.
- 2) Drought stage demand reductions will be quantified by output at the water treatment plants during all stages; however, in Stages 3 and 4 meter reads may also be necessary to determine compliance with individual allocations and reduction targets.
- 3) This Drought Action Plan should be reviewed and updated every 5 years (or as needed) due to changes in water supplies, operations, expected water demands or other relevant factors.

Base Period Definitions

Below is a list of base period definitions developed to assist staff with the implementation of conservation measures during the drought event.

- 1) The base period for single-family residential customers is defined as the District-wide average consumption per household – calculated using a three-year average of the consumption data for **all** single-family residential customers, divided by the total number of residential customers.
- 2) The base period for multi-family residential customers is defined as the District-wide average consumption per dwelling unit – calculated using a three-year average of the consumption data for **all** multi-family residential customers, divided by the total number of dwelling units.
- 3) The base period for commercial, industrial, and institutional customers, with meters serving both building and landscape, is defined as the three-year average of the **individual** customer's consumption data.
- 4) The base period for landscape irrigation only customers is defined as the three-year average of the **individual** customer's consumption data.
- 5) The base period for agricultural customers is defined by the District's Irrigation Management Services (IMS) program – calculated using the onsite crop moisture measurements applied in the crop model, and the resulting irrigation recommendation for the **specific site**.
- 6) The base period for the remaining small farm and agricultural customers is defined as the five-year average of the **individual** customer's consumption data.

Early Actions

CROSS TRAINING – It is important that ongoing staff training be conducted before a drought occurs, as staffing may be necessary for the enforcement of water waste prohibition, enforcement of mandatory or prohibited conservation measures, and answering questions related to recycled water use. Staff ordinarily responsible for other duties may be temporarily reassigned to implement these drought-response activities.

BOARD UPDATES – The Board should be kept apprised of all drought monitoring and predicted water shortages. It is the responsibility of the General Manager to decide the best method for these updates.

PUBLIC OUTREACH TO ID 97 OWNERS – This updated Drought Action Plan modifies the drought stages and responses referred to in the Improvement District No. 97 Interim Agreement, which sets limits and minimum aesthetic flows in Clear Creek from Jenkinson Lake releases. Pursuant to the Interim Agreement, the District needs to “meet and confer” with the ID 97 interested parties to amend paragraph 10 of the agreement, which should now reference the modified drought stages and titles used in this updated Drought Action Plan.

- Background. The *4-Stage Water Supply Matrix and Water Shortage Response Measures* – a copy of which can be found in Appendix D of the 2008 Drought Preparedness Plan – was in effect when the ID 97 Interim Agreement was adopted by the Board of Directors in 2005. Pursuant to this agreement, the flow rate in Clear Creek is reduced as the drought stages progress, from a maximum of 3 cubic-feet per second (cfs) down to a minimum of 1 cfs. When drought is imminent, notifications are to be sent to the ID 97 property owners that Clear Creek flows may be reduced with the drought stages.

3.0 Ongoing Activities

This Drought Action Plan addresses water management and customer service activities that would be modified during drought conditions. In this section, *Ongoing Actions* are defined as activities that are performed on a regular basis, even in non-drought conditions, that might change in the face of a drought being declared. Throughout the District, there are a number of ongoing activities related to drought management. It will be the responsibility of the DRT members to ensure that these activities continue to occur in their respective areas during non-drought conditions, in order to be ready for a declaration of drought. The following sub-sections refer to staff functions rather than departments, and include a brief description of these functions and their ongoing actions as they pertain to a drought.

3.1 Engineering and Operations

The primary responsibility of engineering and operations staff is to ensure the continued integrity of infrastructure throughout the District's service area, in addition to actively monitoring and modeling potential drought conditions. Operations staff must also stay abreast of changes during drought conditions, such as lower pressures, increased sewer pipeline blockages, lower reservoir levels, changes in demand patterns, and other potential impacts. The environmental staff contributions to the District's drought preparedness occur mostly prior to a drought event while conducting environmental reviews and permit preparation for proposed projects.

Ongoing Actions

- 1) Manage water supplies and conservation levels to achieve approximately 25,000 acre-feet of carry-over storage in Jenkinson Lake to guard against multiple year drought conditions.
- 2) Track regional weather predictions and monitor reservoir levels in conjunction with the dashboard drought risk assessment.
- 3) Gather information on drought management from other agencies.
- 4) Track scientific studies and reports documenting the effects of extended drought conditions on listed species.
- 5) Incorporate the results of various drought supply analyses and modeling when analyzing the environmental effects of proposed projects.
- 6) Examine the District's infrastructure for leakage, and reduce losses where cost-effective.
- 7) Pursue the development of drought impact avoidance projects, if needed.
- 8) Investigate potential reservoir re-operation, and consider long-term adjustments to reservoir release rules.
- 9) Consider the environmental effects of long-term draw-down of reservoirs, such as air quality, soil/sedimentation, water quality, temperature, and other conditions that may affect the District's ability to provide treated water.
- 10) Work with the County Water Agency and the El Dorado Water and Power Authority to facilitate additional water supply projects, if needed.
- 11) Collaborate with regional water management groups, such as the Regional Water Authority (RWA), and the Cosumnes, American, Bear, and Yuba Rivers group (CABY).
- 12) Maintain interagency coordination, primarily through the DICC, but also through participation in federal, state, and/or regional drought task forces.

Ongoing Actions

3.2 Finance and Customer Services

The primary responsibility of finance staff is to keep the District solvent when faced with the increased costs and potential for reduced revenues associated with a drought condition in the watershed. Along with other District employees, staff must be able to look into the future to assess possible staffing needs and potential sources of cost to the District. On the other side, finance staff must also be able to identify possible sources of income, or at the very least, a method of financing the additional efforts associated with managing drought.

Ongoing Actions

- 1) Establish procedures for implementing the drought rates.
- 2) Inform the public regarding potential drought rates *-with public outreach.*
- 3) Establish a “drought contingency fund” for the expenses related to drought administration.
- 4) Enforce the water waste prohibition regulation - *with legal and water efficiency.*
- 5) Educate customers on how to read their water meters in order to determine their own monthly usage during times of demand restrictions *-with public outreach.*
- 6) Assist community members whose wells have gone dry due to drought conditions, to access drinking water through bulk water stations and key cards - *with public outreach.*

3.3 Legal

The primary responsibility of administration and legal staff is to ensure that customer service continues as planned-for in drought conditions and that EID’s actions are legal and defensible. It is important that the administration and legal staff be appraised of policy and planning activities with regard to water supply, regional activities, and inter-agency planning.

Ongoing Actions

- 1) Ensure the District follows applicable state law when declaring drought conditions, and include citations to pertinent legal authority in drought-related Board actions.
- 2) Continue to enforce the water waste prohibition regulation - *with water efficiency.*
- 3) Examine possible legal implications of dry reservoirs and canals during drought conditions, and associated liability at recreational lakes - *with recreation and property.*
- 4) Examine the District’s Board Policies and Administrative Regulations for potential changes and/or additions for better drought management.
- 5) Investigate all dry-year water supply options such as water transfers, conjunctive use, and groundwater banking - *with engineering and operations.*
- 6) Track legislation relating to drought, especially as it pertains to financing drought management, water transfers, and ground-water banking.
- 7) Urge county and city planners to consider the drought stages when implementing development and future planning scenarios.

- 8) Collaborate with regional water management groups, such as the Regional Water Authority (RWA); and the Cosumnes, American, Bear, and Yuba Rivers group (CABY) - *with engineering and operations.*

3.4 Public Outreach

The efforts of public outreach staff are integral to the implementation a successful Plan and management of a drought event. Public education is the most important activity when a drought does occur, because demand management will not be successful if customers are not adequately informed regarding the water situation and the requirements of the purveyor. The most important time for public outreach and education is at the beginning of Stage 1.

Ongoing Actions

- 1) Educate customers regarding water saving devices and practices - *with water efficiency.*
- 2) Educate customers regarding on the overall challenges of providing a reliable water supply in a semi-arid climate, as this will make imposition of drought rates more understandable.
- 3) Educate customers regarding drought stages through bill inserts or a printed message on the bill, an article in the bi-monthly newsletter, e-mail messages, social media, drought website, Rapid Notify automated telephone messages, direct mail post cards, and newspaper advertisements - *with water efficiency.*
- 4) Inform customers about potential drought rates - *with finance and customer services.*
- 5) Develop a webpage for “Drought Stage” information, including an easy-to-understand explanation of when a drought is called and when a drought has ended - *with water efficiency.*
- 6) Educate customers on how to read their water meters in order to determine their own monthly usage during times of demand restrictions - *with finance and customer services.*
- 7) Work with the DICC to educate community members, whose wells have gone dry due to drought conditions, about the availability of drinking water through bulk water stations with key card access - *with customer services.*

3.5 Recreation and Property

The challenges and responsibilities of recreation and property staff in the face of a drought are quite different from those of other EID functions. The primary concerns with recreation and property are the liabilities associated with water attractions in low water level conditions. These can vary from exposed rocks in reservoirs to increased danger of fires resulting from recreational use in campgrounds and day use areas. In addition, property staff can be involved with the siting and development of drought mitigation implementation projects.

Ongoing Actions

- 1) Consider alternative recreational strategies/opportunities for dry years.
- 2) Identify sensitive areas and outline management plans for these areas in dry years.
- 3) Examine possible legal implications of dry reservoirs and canals during drought conditions, and associated liability at recreational lakes - *with legal.*
- 4) Ensure adequate protection against catastrophic fires through vegetation management and homeowner education (adjacent to District facilities).
- 5) Inform customers of the mooring facility policy during drought.
- 6) Work with regional partners to identify areas of greatest fire risk.

3.6 Water Efficiency

Water efficiency staff should work closely with public outreach staff, as the activities required to meet water supply constraints are usually through the implementation of water efficiency practices or devices. Because there are ongoing mandated activities, a drought event will increase the number of tasks for which water efficiency staff are responsible. The Drought Preparedness Plan stipulated a number of water conservation actions, some of which are activities *required* of customers, such as not filling swimming pools; while some are simply *guidelines* for customers to help them save water.

Agricultural demands are an important consideration during drought events. The District's Irrigation Management Service (IMS) program is not required for agricultural customers, but staff should encourage participation in the IMS program prior to a drought, including the education of landowners with regard to individual drought planning. A total of 2,000 acre-feet of water is estimated to be saved each year by the IMS program, as verified by the State Water Resources Control Board in 1986.²

Ongoing Actions

- 1) Identify and pursue drought assistance grants available for water efficiency programs.
- 2) Enforce the water waste prohibition regulation - *with legal and customer services.*
- 3) Offer water efficiency rebate programs and complimentary water surveys as staff, budget, and grant funding allows.
- 4) Continue to implement the California Urban Water Conservation Council's Best Management Practices, as applicable and as required by the U. S. Bureau of Reclamation.
- 5) Maintain the IMS program for commercial agriculture customers.
- 6) Educate customers regarding drought stages through bill inserts or a printed message on the bill, an article in the bi-monthly newsletter, e-mail messages, and newspaper advertisements - *with public outreach.*
- 7) Develop a webpage for "Drought Stage" information, including an easy-to-understand explanation of when a drought is called and when a drought has ended - *with public outreach.*

² Source: EID's Water Supply Master Plan, Administrative Draft, December 2001, Pages 3-36 and 3-38. As part of the South Fork American River (SOFAR) water rights permitting process, the 2,000 acre-feet of IMS program water savings was verified in 1986 by the SWRCB; and later acknowledged in an SWRCB letter dated January 1989.

4.0 Stage 1 – Water Alert

A drought Stage 1 is considered a water alert, where water supplies are only slightly restricted. The response actions are intended to initiate public awareness of a possible water shortage in the near future, and to encourage water efficiency practices. Stage 1 actions target up to a 15 percent demand reduction through the implementation of voluntary measures. The following ***New Actions*** outlined in this section are activities that must be performed during this stage of a drought declaration.

At the beginning of a dry season there is no certainty as to whether the conditions will persist into a full drought. Accordingly, the initial phase of conservation is voluntary on the part of the customer, and the use of recycled water continues as normal. Staff should implement an outreach program to educate customers regarding the status of District water supplies, and the predicted water shortage; however, the education should be done without alarming customers as there is not yet a true emergency. This outreach can be complemented by the actions of the Department of Water Resources and the Regional Water Authority. To avoid confusion though, it is important to educate our customers that due to the District’s multiple water sources and integrated infrastructure, the rest of the region and the state might be worse off than the District. Raising public awareness therefore represents one of the most important components of this Plan.

4.1 Engineering and Operations

New Actions

- 1) Monitor reservoir levels in coordination with dashboard drought risk assessment on a monthly basis.
- 2) Alert ditch customers of potential cutbacks, reminding them Item No. A-8 of their ditch application for service, and reduce potable water releases from valve blow-offs, if possible - *with customer services.*
- 3) Alert the Improvement District No. 97 property owners listed on the current County assessment roll of the water alert declaration, reminding them of paragraph 10 of the 2005 Interim Agreement for ID 97 and possible accommodations to decrease the releases to Clear Creek should the drought conditions continue - *with legal.*
- 4) Monitor water demands weekly at the water treatment plants to assess the amount of water savings accomplished and forecast end-of-year carryover storage needs.
- 5) Identify areas of low pressure, both present and projected, and communicate this to local fire protection agencies.
- 6) Increase monitoring for water theft.
- 7) Refer to the draft ditch operations guidelines in Appendix E of the Drought Preparedness Plan for further information on ditch management during a drought.
- 8) Alert regulatory agencies to the possibility of decreased stream flow.
- 9) Examine Deer Creek discharge requirements; and assess the need to work with stakeholders and the State Water Resources Control Board to temporarily reduce flows due to extraordinary circumstances.

4.2 Finance and Customer Services

New Actions

- ~~1) Implement the Stage 1 drought rates as approved by Board action.~~
 - ~~a) Add 15% drought surcharge to commodity rates only.~~
 - ~~b) Apply to current water rates on all user classes.~~
- 2)1) Implement a project code or charge number for use by all employees to track time and expenses for all drought-related activities.
- 3)2) Alert ditch customers of potential cutbacks and remind them of Item No. A-8 of their ditch application for service - *with engineering and operations.*
- 4)3) Identify baseline and target levels of water usage per user class - *with water efficiency.*
- 5)4) Request assistance in programming and obtaining database information appropriate to the drought stage, customer requests, and cutback priorities.

4.3 Legal

New Actions

- 1) When determined appropriate by the DRT, prepare materials for the declaration of a water alert for approval by the Board of Directors, consistent with applicable state law -*with engineering and operations.*
- 2) Alert the Improvement District No. 97 property owners listed on the current County assessment roll of the water alert declaration, reminding them of paragraph 10 of the 2005 Interim Agreement for ID 97 and possible accommodations to decrease the releases to Clear Creek should the drought conditions continue - *with engineering and operations.*
- 3) Track legislation relating to drought, especially as pertains to the management of water transfers/ground-water banking, and financing drought management.

4.4 Public Outreach

New Actions

- 1) Create educational information regarding the stage of drought, what is expected from customers, and the consequences if demand reduction goals are not met.
- 2) Ensure that customers are aware that drought conditions may worsen quickly, causing rapid progression through the drought stages.
- 3) Educate recycled water users and community leaders on the consequences of ceasing potable water supplementation during a drought Stage 4.
- 4) Ensure that the public is aware of the water waste regulation and all associated penalties - *with water efficiency.*
- 5) Work with local and regional newspapers to secure op-ed space as-needed for public information and water supply/drought education.
- 6) Maintain drought information on website, and update throughout the drought.
- 7) Strongly encourage local restaurants to post “serve if requested” messages via poster, table tent signage, in menus, or other means in their establishment - *with water efficiency.*

4.5 Recreation and Property

New Actions

- 1) Implement new mooring facility policy when warranted by low lake levels.

4.6 Water Efficiency

New Actions

- 1) Increase patrols for water waste, and enforce Administrative Regulation (AR) 1041, Water Waste Prohibition, as currently amended and incorporated by reference.
- 2) Increase educational efforts regarding water efficiency practices - *with public outreach*.
- 3) Identify base period and target levels of water usage per user class - *with customer services*.
- 4) Strongly encourage local restaurants to post “serve if requested” messages via poster, table tent signage, in menus, or other means in their establishment - *with public outreach*.
- 5) Voluntary: Request customer compliance with these water saving guidelines.
 - a) Apply irrigation water during evening and early morning hours only (7 PM to 10 AM);
 - b) Use weather information to regulate irrigation;
 - c) Inspect irrigation system for leaks and then repair or replace;
 - d) Adjust sprinkler run times to avoid runoff; and
 - e) Do not refill a swimming pool that has been drained.

5.0 Stage 2 – Water Warning

Drought Stage 2 action items are intended to increase public understanding of worsening water supply conditions, encourage community-oriented voluntary conservation measures, enforce some conservation measures and implement mandatory water use reduction measures to decrease “normal” demand by up to 30 percent. Stage 2 activities include a continuation of activities described under Stage 1 and new actions. The achievement of the water use reduction goal is measured by overall performance of the entire customer population, based on EID production meters at the three main potable water treatment plants. It is important to note that user category demand reduction goals are not by individual customer, but are the goal for the customer category.

At the point of calling a Stage 2 Drought, ~~the dashboard indicator alerts the DRT that the drought will continue and worsen; and~~ customers are asked to contribute to a system-wide demand reduction of up to 30%. The major emphasis by public outreach and customer service is to elevate customer awareness of the supply situation and encourage continued savings to achieve the 30% demand reduction goal.

5.1 Engineering and Operations

New Actions

- 1) Assess the need for a temporary change in the point of diversion for water taken from Folsom Reservoir to further upstream on the South Fork of the American River, possibly to supplement Sly Park’s Jenkinson Lake through the Hazel Creek Tunnel - *with legal*.
- 2) Examine the risk of solids loading, line blocks, and other low-flow hazards, and then take appropriate action.
- 3) Monitor reservoir levels in coordination with dashboard drought risk assessment.
- 4) Provide 30-days written notice to all Improvement District No. 97 property owners listed on the current County assessment roll, notifying them of the water warning declaration and the planned decrease of releases into Clear Creek; and take to the Board for approval or ratification at the first available regular Board meeting - *with legal*.
 - a) After the 30-day notification period, decrease releases into Clear Creek to no more than 2.0 cfs.
- 5) Begin examination of source water quality for increasingly concentrated pollutants and higher temperatures.
- 6) Monitor water demands weekly at the water treatment plant to assess the amount of water savings accomplished.
- 7) Refrain from releasing water from valve blow-offs.
- 8) Review all regulatory requirements relating to water quality and stream flow; and investigate how the District might be affected by these regulations in case of extreme drought.
- 9) Monitor source water quality for increasingly concentrated pollutants and higher temperatures.

5.2 Finance and Customer Services

New Actions

- ~~1) Implement the Stage 2 drought rates as approved by Board action.

 - ~~a) Add 30% drought surcharge to commodity rates only.~~
 - ~~b) Apply to water rates in effect prior to drought declaration, and on all user classes.~~~~
- 2)1) _____ Continue to monitor income based on customer deliveries and the financial solvency of the drought management activities.
- 3)2) _____ Assess the fiscal consequences and present need for a larger drought management staff, particularly of temporary workers.
- 4)3) _____ Consider adding customer service representatives to help with answering phones, assisting in customer questions regarding drought restrictions, and possibly extending hours later into the evening.

5.3 Legal

New Actions

- 1) When determined appropriate by the DRT, prepare materials for the declaration of a water warning for approval by the Board of Directors, consistent with applicable state law *-with engineering and operations.*
- 2) Assess the need for a temporary change in the point of diversion for water taken from Folsom Reservoir to further upstream on the South Fork of the American River, possibly to supplement Sly Park's Jenkinson Lake through the Hazel Creek Tunnel - *with engineering and operations.*
- 3) Provide 30-days written notice to all Improvement District No. 97 property owners listed on the current County assessment roll, notifying them of the water warning declaration and the planned decrease of releases into Clear Creek; and take to the Board for approval or ratification at the first available regular Board meeting - *with engineering and operations.*
- 4) Review options for Area-of-Origin water rights.
- 5) Seek exceptions to U. S. Bureau of Reclamation contract shortage criteria, if needed.

5.4 Public Outreach

New Actions

- 1) Send monthly notification postcards to all customers, and email messages to those customers providing email addresses, informing them of mandatory watering restrictions and other conservation requirements in effect.
- 2) Launch a monthly Rapid Notify automated telephone message informing customers of mandatory watering restrictions and other conservation requirements in effect.
- 3) Work with regional partners to spread the word about drought and fire danger.
- 4) Secure an op-ed space in local and regional newspapers for an essay on water supply and use restriction in El Dorado County.
- 5) Continue to update the Drought Stage website link, including weekly updates on community demand response.

- 6) Assist the City of Placerville with water use reduction targets - *with water efficiency*.

5.5 Recreation and Property

New Actions

- 1) Urge caution and educate visitors within the District’s recreational areas due to elevated fire danger.

5.6 Water Efficiency

New Actions

- 1) Coordinate with the Sacramento region through RWA membership, especially water purveyors with a common border, in order to coordinate educational efforts to better reach customers.
- 2) Identify the top 10% of residential and CII³ users, and target these customers with water efficiency outreach *-with customer services*.
- 3) Voluntary: Inform all customers of the targeted 70% of base usage during a Stage 2 drought with public outreach.
- 4) Voluntary: Ask customers to refrain from using District-supplied water for these purposes - *with public outreach*.
 - a) Watering new or replacement turf.
 - b) Irrigating new agricultural plantings.
 - c) Using potable water to hose off pavement, sidewalks, or driveways.
 - d) Filling any new swimming pool.
 - e) Serving glasses of drinking water automatically at dining establishments.
 - f) Using water from a fire hydrant – except for fighting fires, essential water quality uses, and toxic clean-up purposes.
- 5) Offer assistance to the City of Placerville to help meet their water use reduction targets - *with engineering and operations*.
- 6) Mandatory: Watering restrictions are in place as shown below. All outside irrigation, potable and recycled—including garden, lawn, landscape, pasture, parks, golf courses*, school grounds, and public grounds—shall ONLY occur according to the following schedule:
 - a) Outdoor irrigation is limited to the hours of 7:00 PM and 10:00 AM.
 - b) Irrigation systems must be turned off during rain events.
 - c) Watering days are based on street addresses.
 - d) Once-a-week watering is allowed from November 16 to April 15 on Sundays for customers with addresses ending in even numbers (0, 2, 4, 6, 8) and on Saturdays for customers with addresses ending in odd numbers (1, 3, 5, 7, 9).
 - e) Twice-a-week watering is allowed from April 16 to June 15 and September 16 to November 15 on Wednesdays and Sundays for customers with addresses ending in

³ CII is defined as all commercial, industrial, and institutional customers; which includes businesses, schools, community service districts, owner associations, churches, and public buildings and grounds.

even numbers and Tuesdays and Saturdays for customers with addresses ending in odd numbers.

- f) Three-times-a-week watering is allowed from June 16 to September 15 on Sundays, Wednesdays, and Fridays for customers with addresses ending in even numbers and Tuesdays, Thursdays, and Saturdays for customers with addresses ending in odd numbers.
 - g) Exemptions are allowed for non-residential customers if a detailed conservation plan is submitted to the District that demonstrates a minimum 30% water savings over customer's previous 3-year average usage.
- 7) Mandatory: Agricultural metered irrigation customers who do not participate in the Irrigation Management Services program must submit a detailed conservation plan to the District that demonstrates minimum 30% water savings over customer's previous 3-year average usage.

6.0 Stage 3 – Water Crisis

The objective of Drought Stage 3 actions are to reduce District-wide water demand by up to 50% through effective and consistent public outreach, enforce extensive restrictions of water use, and implement water rationing. Protection of water supply for public health and safety purposes is the primary objective during Stage 3 drought conditions. This stage of drought will require much more staff time for policy enforcement with the public, and much greater inter-agency coordination. Because of the mandatory restrictions, emergency management agency notification is required, and public outreach and education will be key in achieving the water savings goal in Stage 3.

6.1 Engineering and Operations

New Actions

- 1) If needed, implement a temporary change in the point of diversion for water taken from Folsom Reservoir to further upstream on the South Fork of the American River, possibly to supplement Sly Park's Jenkinson Lake through the Hazel Creek Tunnel - *with legal*.
 - 2) As needed, implement and monitor emergency water distribution.
 - 3) EID's Director of Operations is responsible for notifying the El Dorado County Emergency Management Agency (EMA) of any mandatory requirements for water use reduction.
 - a) Staff should consider the escalation of emergency management at the beginning of this stage.
 - 4) Also contact the County's EMA regarding fire protection directives that are being implemented within the county.
 - 5) Provide 30-days written notice to all Improvement District No. 97 property owners listed on the current County assessment roll, notifying them of the water crisis declaration, and of the planned decrease of releases into Clear Creek; and take to the Board for approval or ratification at the first available regular Board meeting - *with legal*.
 - a) After the 30-day notification period, decrease releases into Clear Creek to no more than 1.5 cfs.
- 6) Prohibited: Use of EID potable water for construction use.

6.2 Finance and Customer Services

New Actions

- 1) Implement the Stage 3 drought rates as approved by Board action on March 26, 2012.
 - a) Add 50% drought surcharge to commodity rates for tier 2 and 3 only.
 - b) Apply to water rates in effect prior to drought declaration, and on all user classes.

6.3 Legal

New Actions

- 1) When determined appropriate by the DRT, prepare materials for the declaration of a water crisis for approval by the Board of Directors, consistent with applicable state law - *with engineering and operations*.
- 2) If needed, implement a temporary change in the point of diversion for water taken from Folsom Reservoir to further upstream on the South Fork of the American River, possibly to supplement Sly Park's Jenkinson Lake through the Hazel Creek Tunnel - *with engineering and operations*.
- 3) Provide 30-days written notice to all Improvement District No. 97 property owners listed on the current County assessment roll, notifying them of the water crisis declaration, and of the planned decrease of releases into Clear Creek; and take to the Board for approval or ratification at the first available regular Board meeting - *with engineering and operations*.

6.4 Public Outreach

New Actions

- 1) Secure an op-ed and/or advertising space in local and regional newspapers to publicize mandatory water restrictions within the service area of the District.

6.5 Recreation and Property

New Actions

- 1) Remain alert to fire danger and water pressure considerations at outlying facilities; coordinate with other agencies to ensure a consistent public message.
- 2) Protect identified sensitive areas from overuse in extreme dry periods.
- 3) Limit or restrict filming within the District's recreational areas due to severe fire danger.

6.6 Water Efficiency

New Actions

Inform customers of these **mandatory** conservation measures in Stage 3 - *with public outreach*.

- 1) Prohibited: Filling empty swimming pools with District-supplied potable water.
- 2) Prohibited: Washing of vehicles (automobiles, recreational vehicles, trailers, etc.) and boats, or hosing off driveways/pavement with District-supplied potable water.
- 3) Prohibited: Filling or re-filling ponds, lakes, and other non-irrigation water features with District-supplied potable water.

- 4) Mandatory: Watering restrictions are in place as shown below. All outside irrigation, potable and recycled—including garden, lawn, landscape, pasture, parks, golf courses*, school grounds, and public grounds—shall ONLY occur according to the following schedule:
 - a. Outdoor irrigation is limited to the hours of 7:00 PM and 10:00 AM.
 - b. Irrigation systems must be turned off during rain events.
 - c. Watering days are based on street addresses.
 - d. Once-a-week watering is allowed from November 16 to April 15 on Sundays for customers with addresses ending in even numbers (0, 2, 4, 6, 8) and on Saturdays for customers with addresses ending in odd numbers (1, 3, 5, 7, 9).
 - e. Twice-a-week watering is allowed from April 16 to June 15 and September 16 to November 15 on Wednesdays and Sundays for customers with addresses ending in even numbers and Tuesdays and Saturdays for customers with addresses ending in odd numbers.
 - f. Three-times-a-week watering is allowed from June 16 to September 15 on Sundays, Wednesdays, and Fridays for customers with addresses ending in even numbers and Tuesdays, Thursdays, and Saturdays for customers with addresses ending in odd numbers.
- 5) Exemptions are allowed for non-residential customers if a detailed conservation plan is submitted to the District that demonstrates a minimum 30% water savings over customer's previous 3-year average usage.
- 6) Prohibited: Use of EID potable water for construction use.
- 7) Prohibited: IMS customers are not to use more water than recommended by the IMS program schedule.
- 8) Mandatory: Agricultural metered irrigation customers who do not participate in the Irrigation Management Services program must submit a detailed conservation plan to the District that demonstrates minimum 30% water savings over customer's previous 3-year average usage.
- 9) Prohibited: Mist systems.
- 10) Enforce the water waste prohibition regulation with the help of City and County law enforcement, if needed; and coordinate operational safety with HR-Safety/Security staff.

7.0 Stage 4 – Water Emergency

The objective of Drought Stage 4 actions are to further reduce water demands in order to achieve a greater than 50% reduction, which may be accomplished through effective and consistent public outreach, enforcement of extensive restrictions on water use, and the implementation of water rationing. Protection of the remaining water supply for public health and safety purposes is the District's primary objective during Stage 4 drought conditions. This stage of drought will require considerable staff time for enforcement, and much greater inter-agency coordination. Because of the mandatory restrictions, public outreach and education are key to meeting the water savings goals.

7.1 Engineering and Operations

New Actions

- 1) If needed, implement a temporary change in the point of diversion for water taken from Folsom Reservoir to further upstream on the South Fork of the American River, possibly to supplement Sly Park's Jenkinson Lake through the Hazel Creek Tunnel

- 2) EID's Director of Operations is responsible for notifying the El Dorado County Emergency Management Agency of mandatory water use reduction requirements.
- 3) Continue to coordinate with the County Emergency Management Agency regarding any fire protection directives that are being implemented within the county.
- 4) Provide 30-days written notice to all Improvement District No. 97 property owners listed on the current County assessment roll, notifying them of the water emergency declaration, and of the planned decrease of releases into Clear Creek; and take to the Board for approval or ratification at the first available regular Board meeting - *with legal*.
 - a) Decrease releases into Clear Creek to no more than 1.0 cfs.
- 5) Suspend potable supplementation to the recycled water system.

7.2 Finance and Customer Services

New Actions

- 1) ~~None at this time.~~ Implement the Stage 4 drought rates as approved by Board action
 - a. Add 100% drought surcharge to commodity rates for tiers 2 and 3 only.
 - ~~a.b.~~ Apply to water rates in effect prior to drought declaration, and on all user classes.

7.3 Legal

New Actions

- 1) When determined appropriate by the DRT, prepare materials for the declaration of a water emergency for approval by the Board of Directors, consistent with applicable state law - *with engineering and operations*.
- 2) If needed, implement a temporary change in the point of diversion for water taken from Folsom Reservoir to further upstream on the South Fork of the American River, possibly to supplement Sly Park's Jenkinson Lake through the Hazel Creek Tunnel - *with engineering and operations*.
- 3) Provide 30-days written notice to all Improvement District No. 97 property owners listed on the current County assessment roll, notifying them of the water emergency declaration, and of the planned decrease of releases into Clear Creek; and take to the Board for approval or ratification at the first available regular Board meeting - *with engineering and operations*.

7.4 Public Outreach

New Actions

- 1) Secure an op-ed and/or advertising space in local and regional newspapers to publicize mandatory water restrictions within the water service area of the District.
- 2) Use authorized email addresses and the "Rapid Notify" mass notification system as necessary to advise customers of water use restrictions or other drought alerts.

7.5 Recreation and Property

New Actions

- 1) Remain alert to fire danger and water pressure considerations at outlying facilities; coordinate with other agencies to ensure consistent public message.

- 2) Protect identified sensitive areas from overuse in extreme dry periods.
- 3) Restrict filming within the District's recreational areas due to extreme fire danger.

7.6 Water Efficiency

New Actions

- 1) Prohibited: Automatic sprinklers for the irrigation of existing turf, ornamental plants, garden or landscaped areas.
 - a) Watering may ONLY occur by hand-held hose with shut-off nozzle or by a drip irrigation system.
- 2) Mandatory: Single-family and multi-family residential meters ~~servicing detached homes~~ are limited to granted a 50 gallons per person per day 553 cubic foot per resident allotment per bimonthly billing cycle for "health and safety," purposes which is 68 gallons per person per day.⁴
 - a) Allotments can be increased for special additional residents and health-related issues.
- ~~3) Mandatory: Multi-family residential meters serving multiple units are granted a 471 cubic-foot per resident allotment per bimonthly billing cycle for "health and safety," which is 58 gallons per person per day.~~⁵
 - ~~a) Allotments can be increased for additional residents and health-related issues.~~
- ~~4)3) Mandatory: Recreational Turf non-IMS Ag and Small Farm customers must **reduce their usage** by 65%, based upon their usage during the same billing cycle in the base period.~~
- ~~5)4) Mandatory: IMS agricultural meters must **reduce their usage** by 40%, based upon their usage during the same billing cycle in the base period. IMS customers have already restricted use through weekly soil moisture data sampling and comply with irrigation schedule.~~
- ~~6)5) Allowed: Vital healthcare and public safety uses are exempt.~~
- ~~7)6) Mandatory: Commercial, Industrial & Institutional (CII): Reduce by 65%.~~

8.0 Post-Drought Actions

8.1 The End of a Drought

Coming out of a drought can occur quickly or slowly, depending on the weather and the storage accumulated with any precipitation. It is very important to make clear to the public that one good storm will not reverse weeks or months of dry weather. The conditions that end a drought require the filling of reservoirs, which usually occurs over time. Precipitation that occurs during the deepest of droughts can potentially put the District in a less severe stage of drought. If this occurs, and the DRT determines the present situation and probable future indicate a lessening of the drought, staff may recommend reducing the drought stage to the previous stage.

In the event that the drought severity lessens, it must be made explicitly clear to the public which stage the District has moved to, why the change was made, and what the measurements are based

⁴ ~~Source: Urban Drought Guidebook, 2008 Updated Edition; prepared by the State of California, Department of Water Resources, Office of Water Use Efficiency and Transfers; pages 61 and 193.~~

⁵ ~~Source: CA DWR Urban Drought Guidebook, 2008 Updated Edition; page 61.~~

upon. Effective public education will minimize conflicts with regard to fines for mandatory cutbacks, and for health and safety concerns. In addition, a lessening of drought severity must be communicated clearly to all staff, especially those with regular public interaction.

- There are several scenarios that would lead the District to either declare the end of a drought or announce a less severe drought stage, including but not limited to, the following three cases.
 - 1) **Significant rainfall and snowpack** – While it is highly unlikely for one storm to end drought conditions, it is possible that a series of storms over a several-week period could fill Jenkinson Lake and replenish snowpack that could fill the Project 184 reservoirs in the spring. This scenario would assure staff that the drought has ended, and that a return to “normal” conditions is a responsible decision.
 - 2) **Significant rainfall but no snow** – It is also possible that Jenkinson Lake could fill from a series of storms, but little snowpack accumulates due to warm temperatures. In this scenario, there would be little snowpack to keep Jenkinson Lake full into the summer, and the Project 184 reservoirs may not fill. In this case, the water supply is not secure for the next year, and staff may recommend a less severe drought stage rather than a return to “normal” conditions.
 - 3) **Average rainfall and snowpack** – Another scenario could be the occurrence of a “normal” water year, with average precipitation and snowpack, following weeks or months of drought. These conditions may not fill the reservoirs adequately to assure staff that ending a drought declaration is the appropriate action. In this case, the drought stage may be lessened or stay the same, as it is important to remember that a year of average precipitation may not immediately result in “normal” conditions.

In any case, declaring the end of a drought depends in large part upon the judgment of staff, but the Supply Remaining Index tool (SRI Model) can also be used to make this determination. Refer to Section 2.2, Drought Monitoring and Modeling for more information on the SRI Model.

While this Drought Action Plan serves as a blueprint for actions in each stage of drought, it is not a rigid prescription for when and how to call a drought, or what actions to take in response. Those decisions must be made by informed and experienced staff, based upon the situation at the time, and approved by the Board of Directors.

8.2 Lessons Learned

When a drought is completely over, and District operations are back to normal, it is important to review what worked, what did not work, and how the overall drought response can be improved. The first step must be an examination of the stages, objectives, and response actions. Did the ongoing and new actions in this Plan work? Was there public confusion? If so, why? Did the mandatory actions cause problems due to uncertainty in implementation or ambiguity in description? A discussion among all DRT members and implementing staff is imperative to get a complete picture on these questions. Likewise, it may be important to repeat the same process with the County’s Drought Interagency Coordination Committee, and to involve customers in the dialogue as well.

8.3 Financial Analysis

The District should analyze the financial considerations following a drought, which is an important way to gauge the success of drought management activities. A detailed financial assessment of both the costs and revenue incurred during a drought are important.

- Below are two scenarios of drought finances, along with their impacts on the District.
 - 1) **Costs to the District** – When the drought Stage 1 was declared, a charge number should have been established for all new drought activities, including: permanent staff time, temporary worker time, special materials, and other costs associated with drought management. All costs associated with the drought must be charged to this number in order to completely account for the additional costs incurred during drought. It is important to know these costs, as the knowledge will assist the District in gauging the adequacy of the drought surcharges.
 - 2) **Revenues for the District** – A drought surcharge has been added to the existing rates in order to compensate for decreased water usage by customers due to conservation requests and restrictions. Finance staff should analyze how the additional revenue from the “drought rates” balanced-out against the additional costs to the District. The drought revenue should have compensated for the water conserved and covered the additional drought costs.

8.4 Report to the Board

The concluding task in any drought management effort is the final report to the Board, especially summarizing the costs and revenues described above. Because the Board reports directly to the population served by the District, it is important for the Board members to be able to convey to their constituents the successes of the District’s drought management. This report may also be released to all District customers, as successful drought management is not possible without customer involvement, cooperation, and support.

REVIEW OF THE DROUGHT ACTION PLAN AND PROGRESS ON DROUGHT RESPONSE

March 9, 2015



Summary

- ▣ Drought Preparedness Plan adopted in 2008
- ▣ Drought Action Plan
 - Simplified, easy to use by staff and customers
- ▣ Board reviewed and made revisions in 2014
- ▣ Drought will extend through 2015
- ▣ Review and propose additional modifications heading into high demand season

Water Supply Status

- ▣ Jenkinson Lake
 - Storage at end of February – 30,600 AF
 - 75% of full capacity
- ▣ P184 – Forebay
 - Consulting with regulatory agencies to ensure full delivery of 15,080 AF water right
 - Current forecast requires stream flow modifications

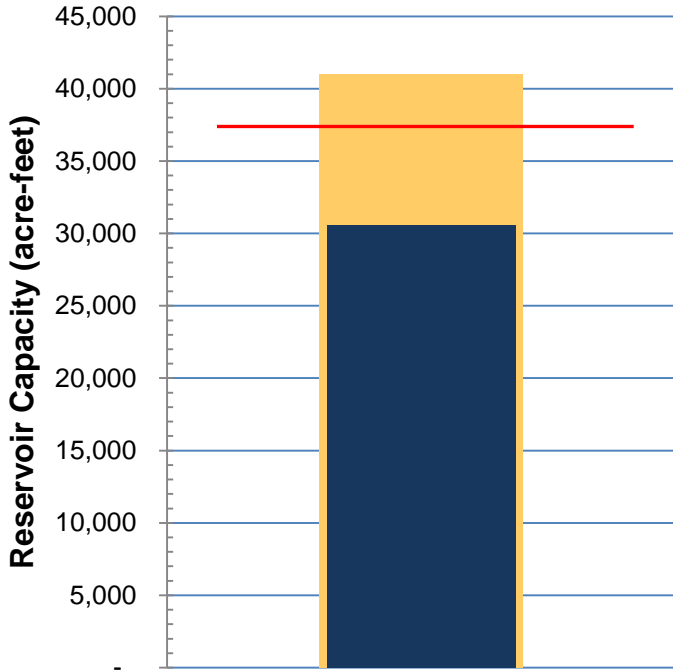
Water Supply Status

- ▣ Folsom Lake initial allocation
 - CVP Contract: Health & Safety or 25% of historic use (1,725 AF)
 - Ditch/Weber Reservoir: 2,300 AF
 - Permit 21112: 8,500 AF

Jenkinson Lake at Sly Park

Reservoir Conditions

(as of March 4, 2015)



Current Level: 30,579 AF

75%

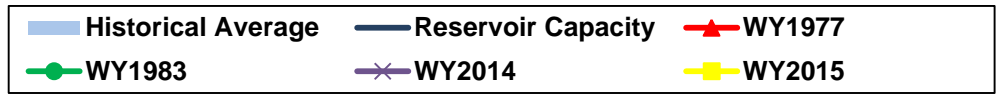
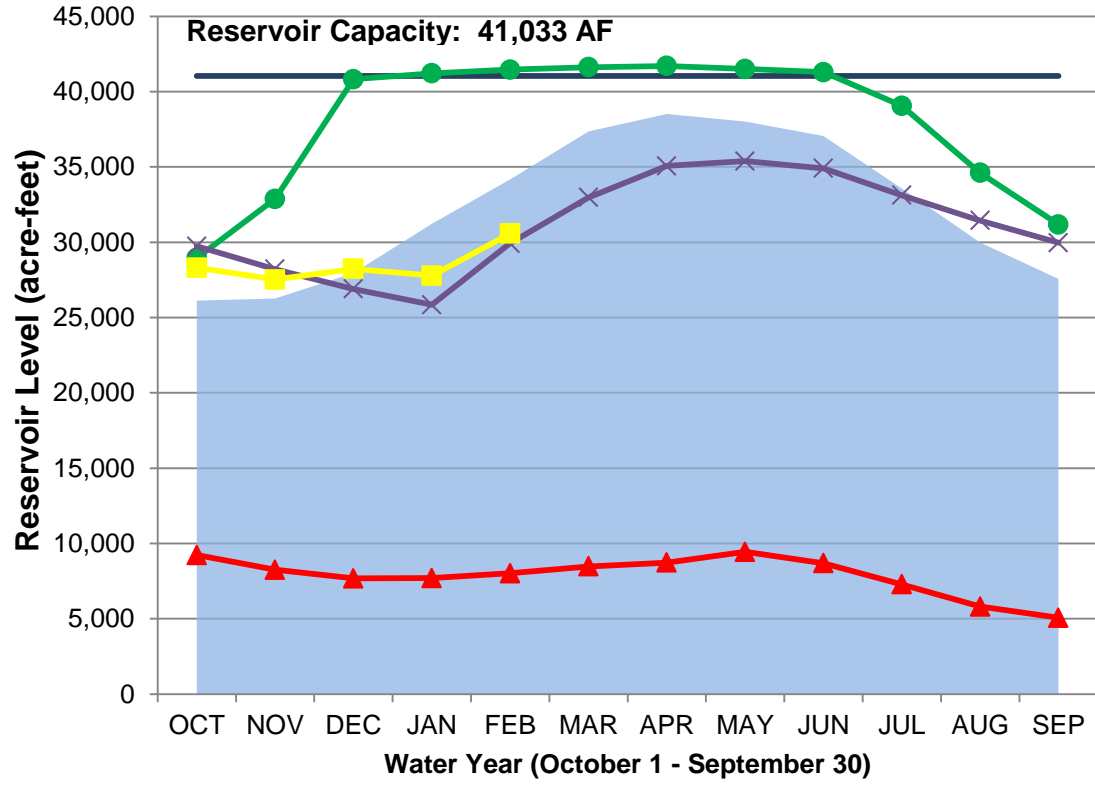
Current Capacity

as of: **3/2/2015**

91%

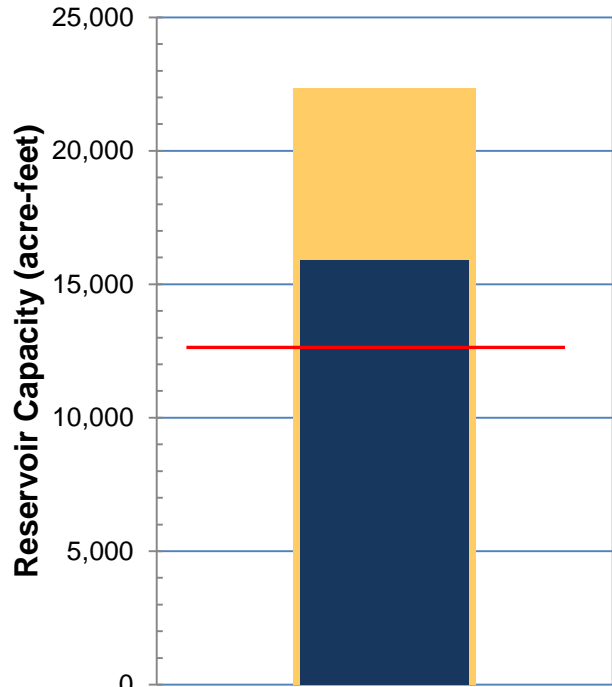
End of Month

Historical Average



Caples Lake Reservoir Conditions

(as of March 4, 2015)



Current Level: 15,881 AF

71%

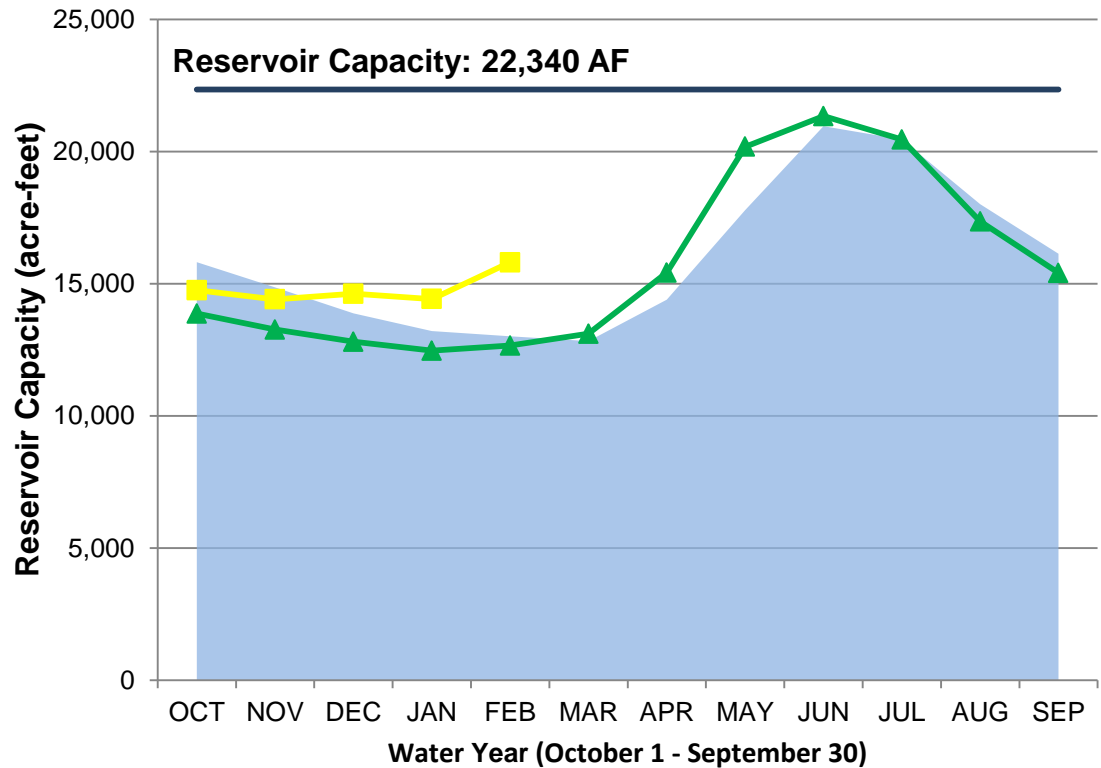
Current Capacity

as of: **3/2/2015**

57%

End of Month

Historical Average



Historical Average

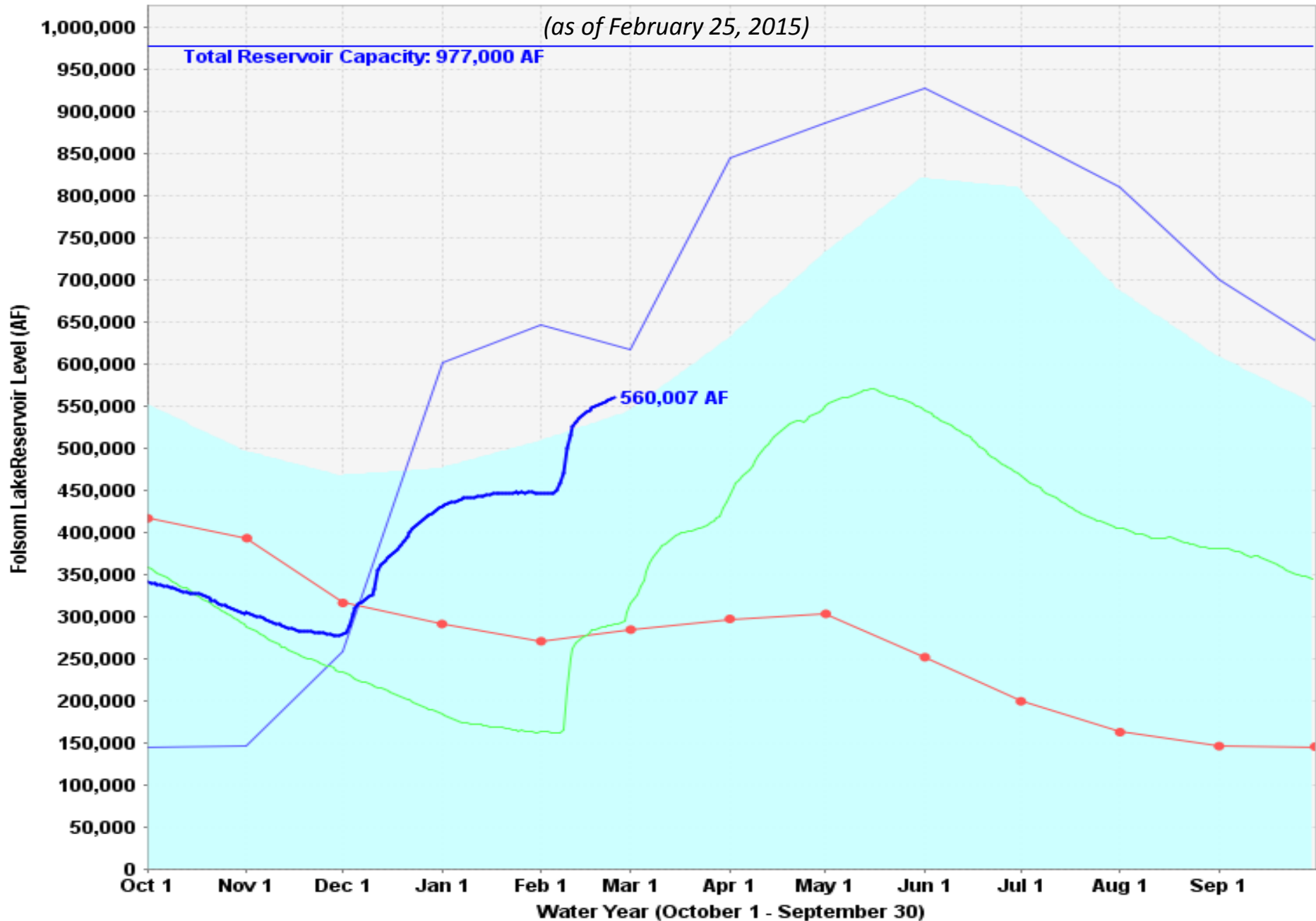
WY 2014

Reservoir Capacity

WY 2015

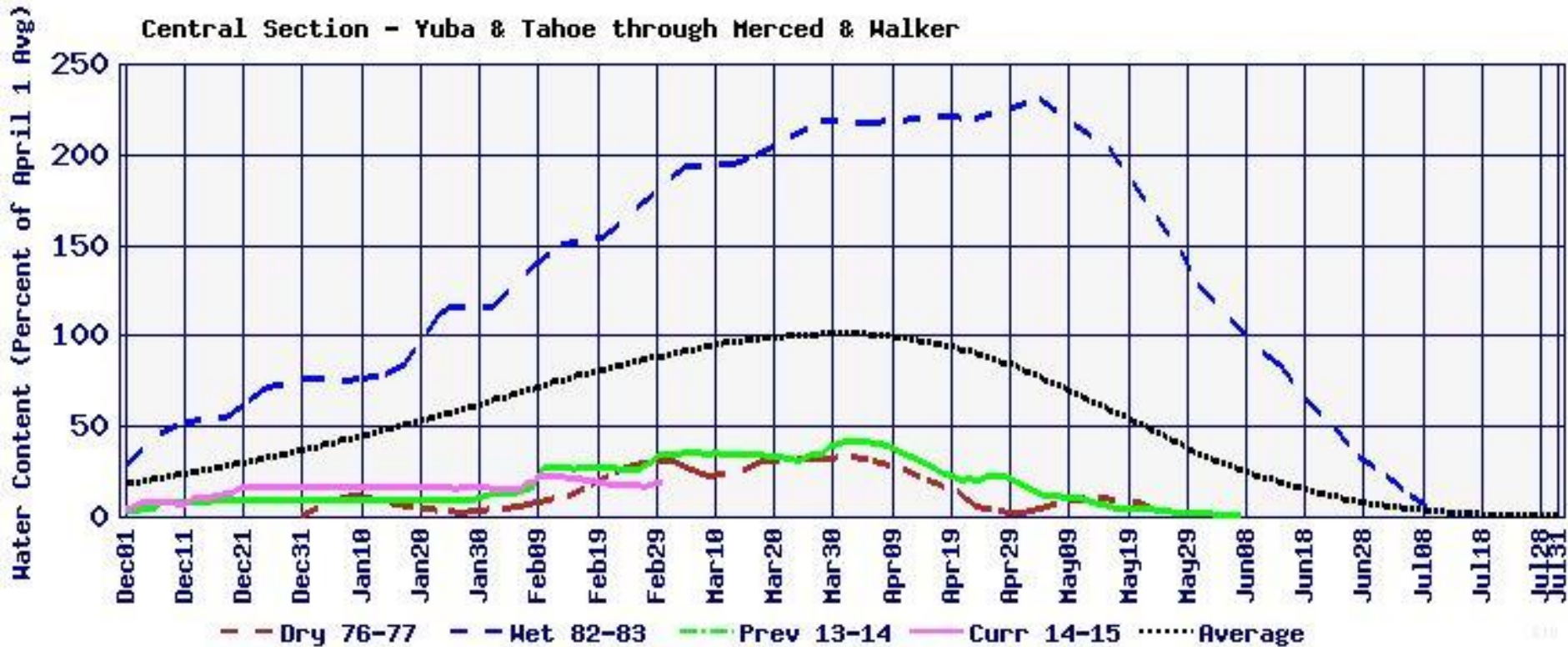
Folsom Lake Storage Levels

(as of February 25, 2015)



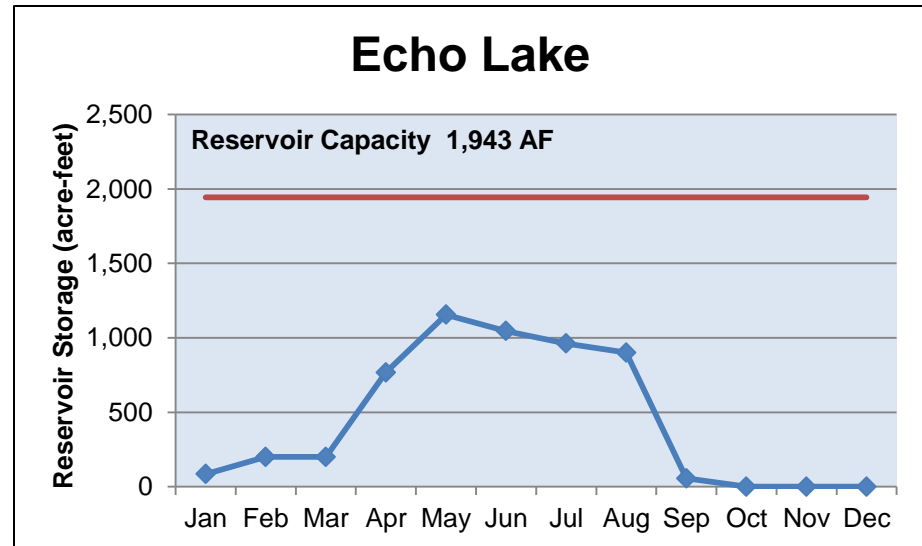
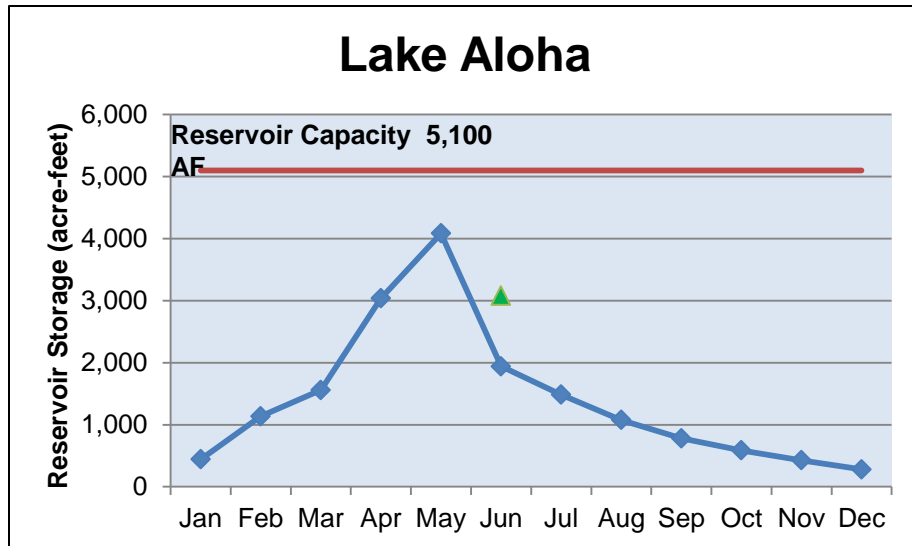
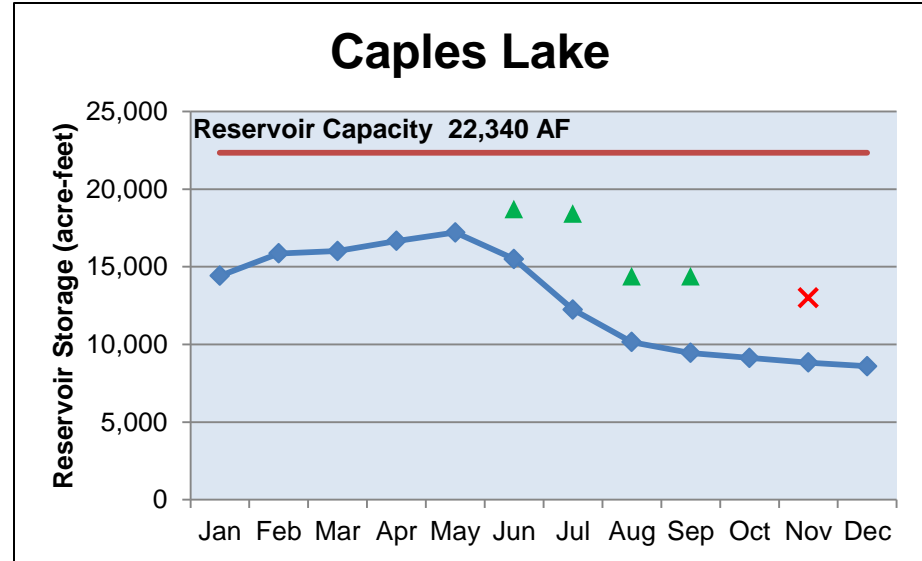
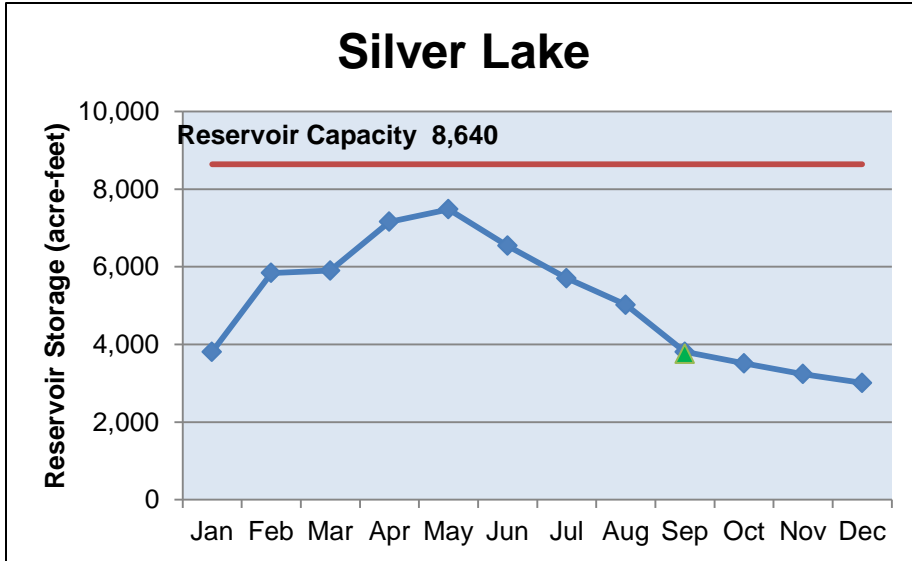
Historical Average Total Reservoir Capacity 1976-1977 (dry) 1977-1978 2013-2014 2014-2015(current)

Snow water content



Project 184 - 2015 Forecast Operations

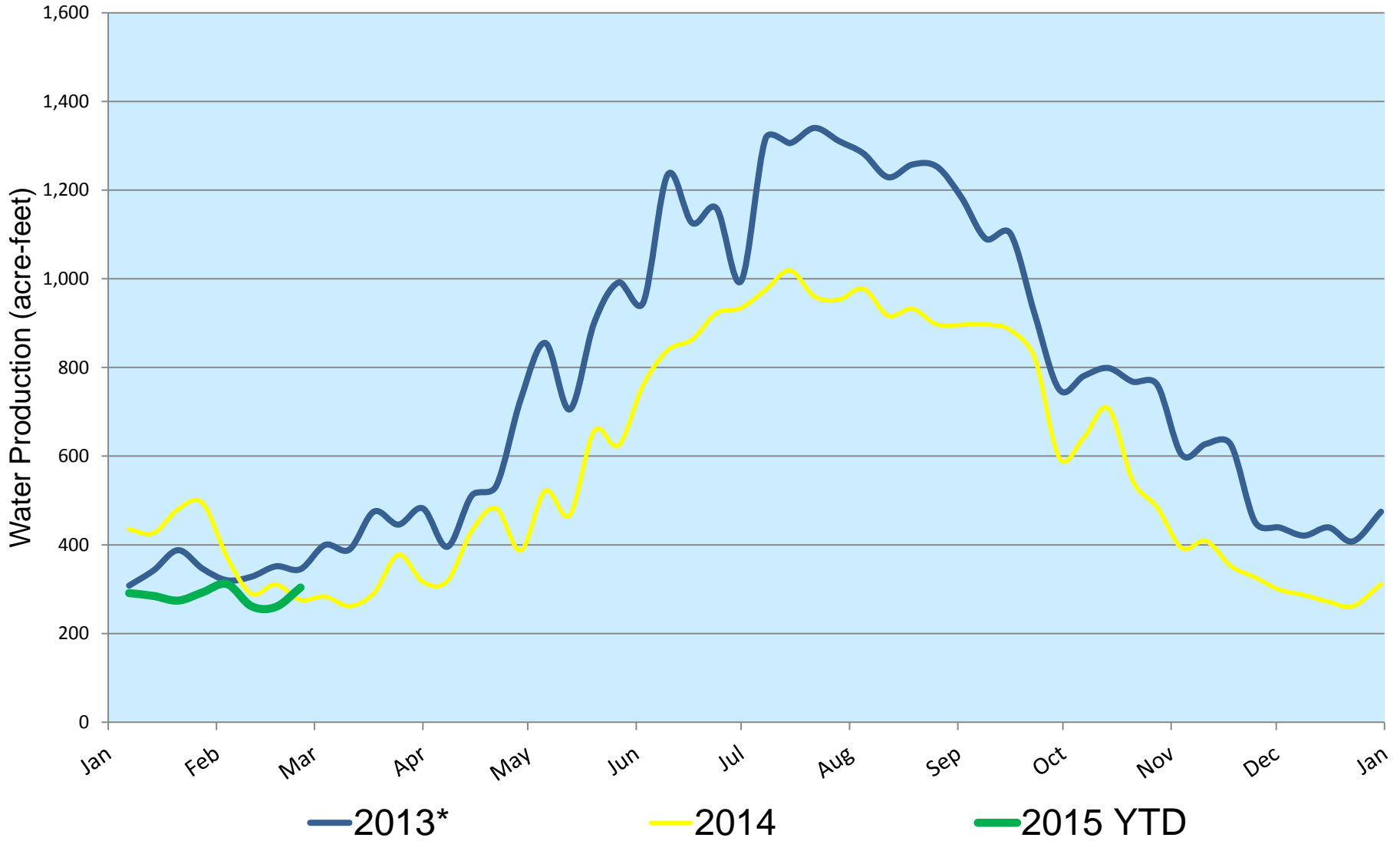
End of Month Storage (AF) – February 24 Forecast Data



Potable Water Conservation Progress

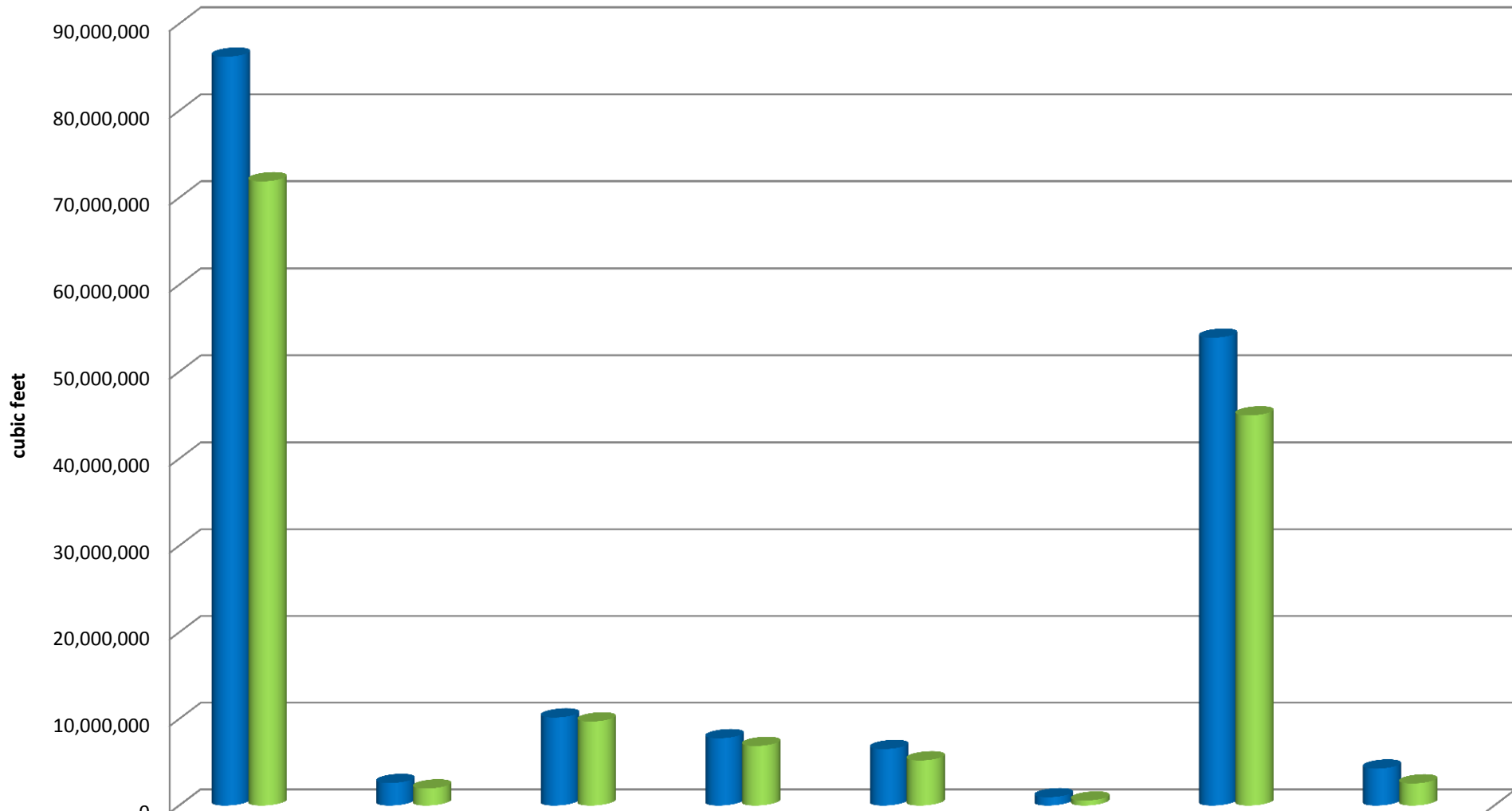
Weekly Comparison - 2015 vs. 2013

(as of February 25, 2015)



*2013 baseline per State Water Board and RWA standard

2/28/2015 Year to Date Potable Metered Use Comparison (cubic feet)



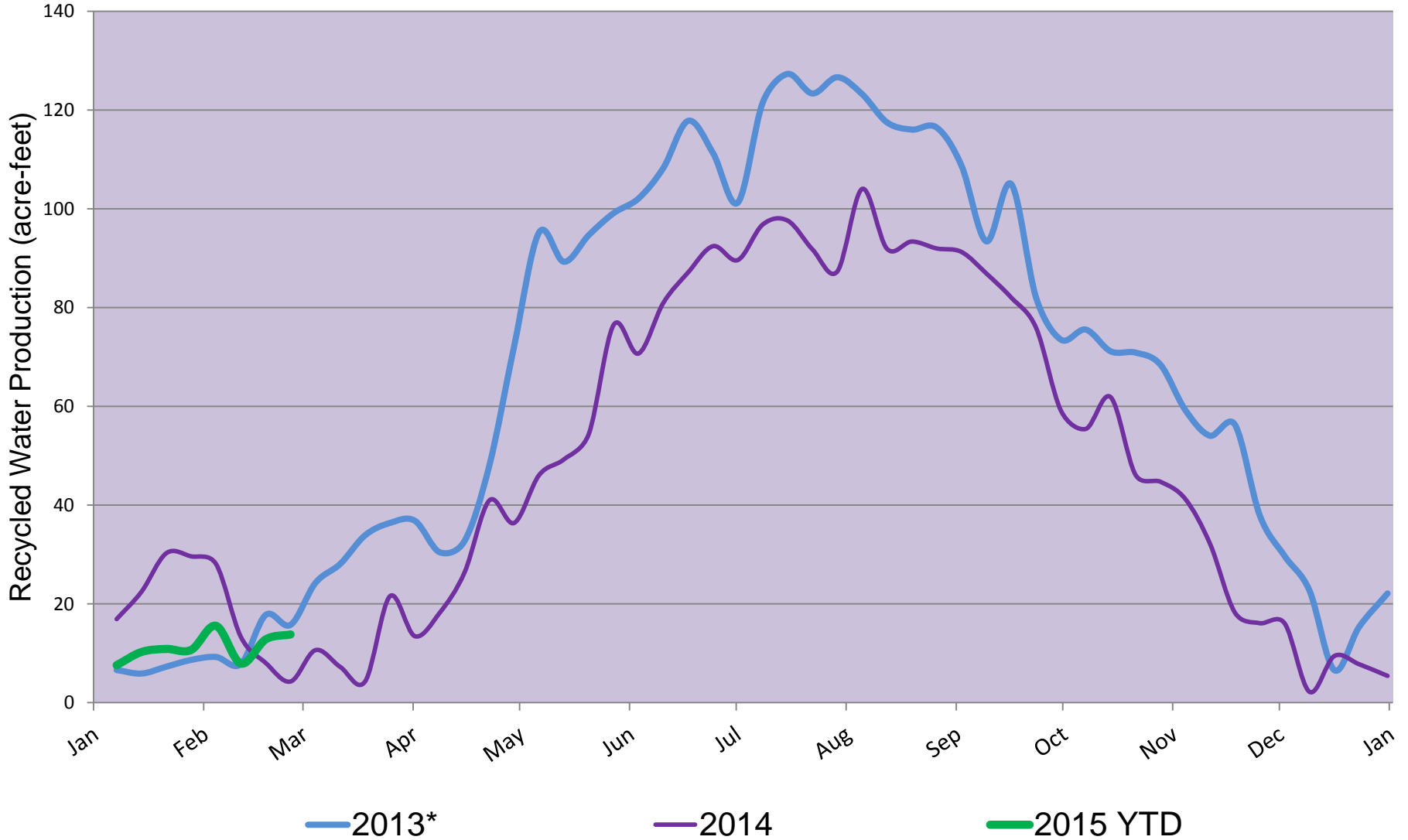
	TOTAL	AG	COM	MFRES	MU	REC TURF	SFRES	SMALL FARM
■ 2013	86,216,071	2,603,290	10,169,816	7,774,550	6,525,500	961,500	53,913,565	4,267,850
■ 2015	71,885,800	1,972,970	9,708,900	6,883,300	5,212,600	574,300	44,982,730	2,551,000
% CHANGE	-16.62%	-24.21%	-4.53%	-11.46%	-20.12%	-40.27%	-16.57%	-40.23%

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

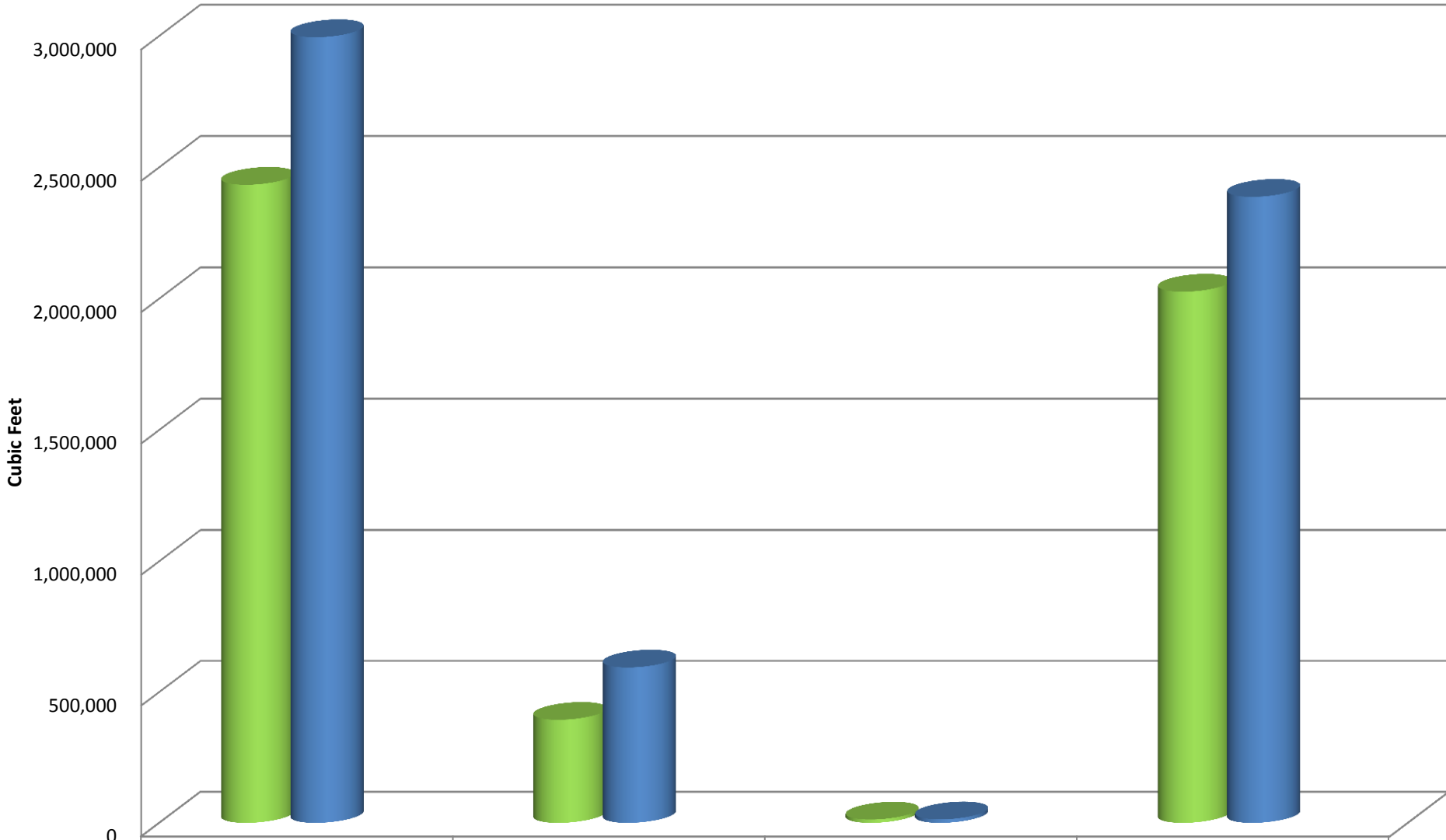
Weekly Comparison - 2015 vs. 2013

(as of February 25, 2015)



*2013 baseline per State Water Board and RWA standard

2/10/2015 Year to Date Recycled Metered Use Comparison (cubic feet)

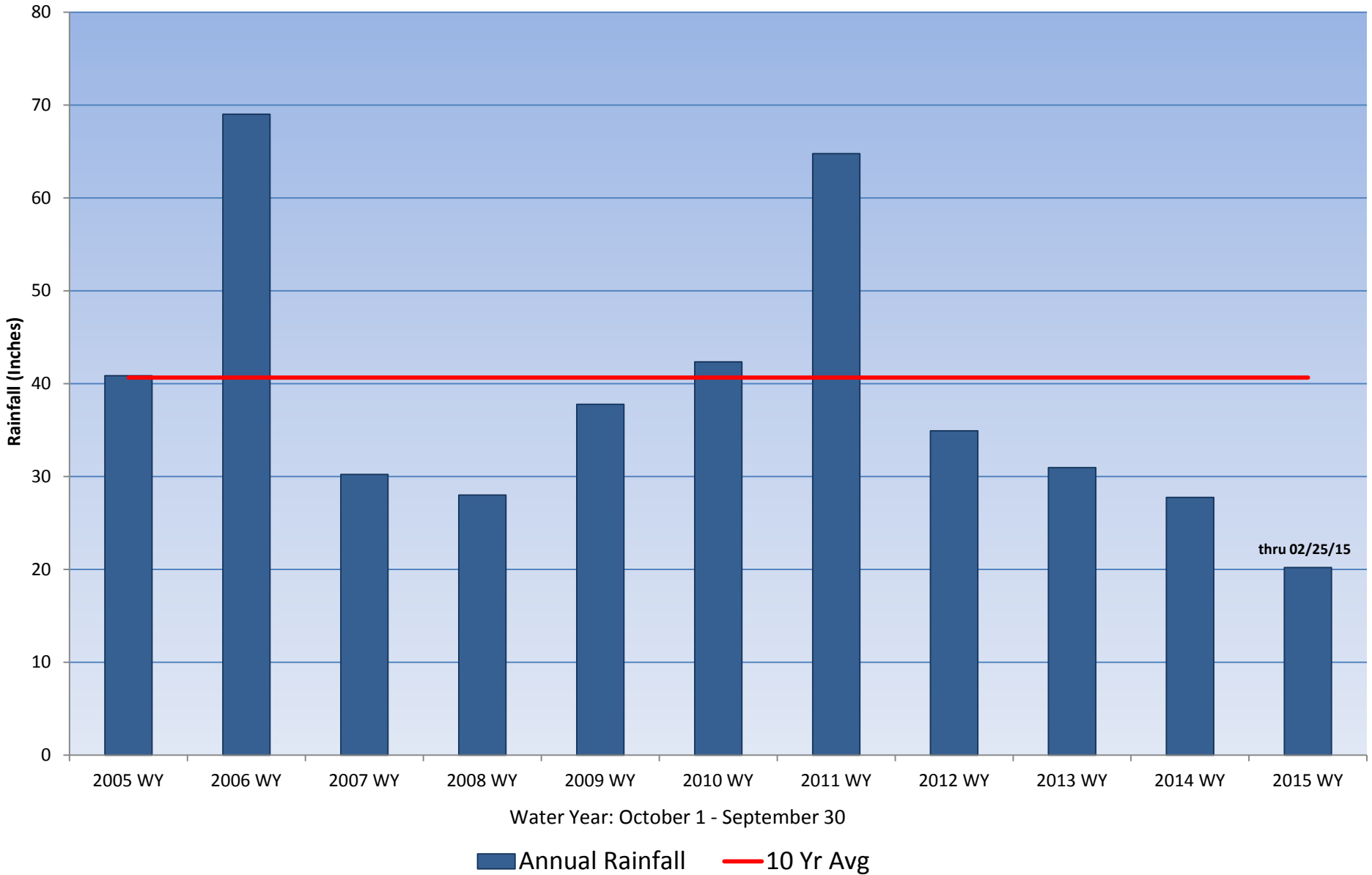


2013	2,433,639	394,200	12,800	2,026,639
2015	2,995,400	594,300	13,300	2,387,800
% CHANGE	23.08%	50.76%	0.00%	17.82%

El Dorado Irrigation District

Annual Rainfall (Inches)

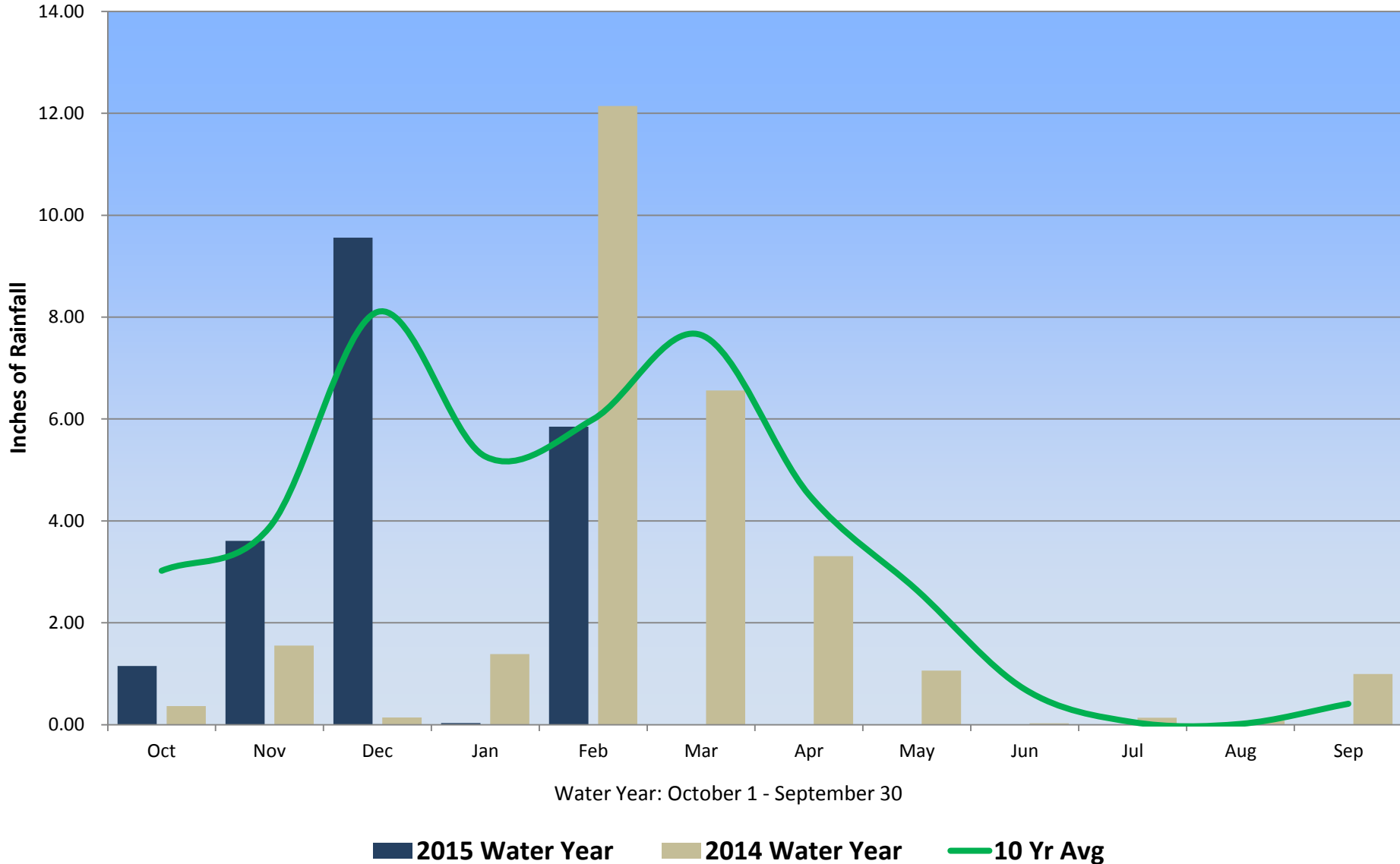
Water Year Totals



El Dorado Irrigation District

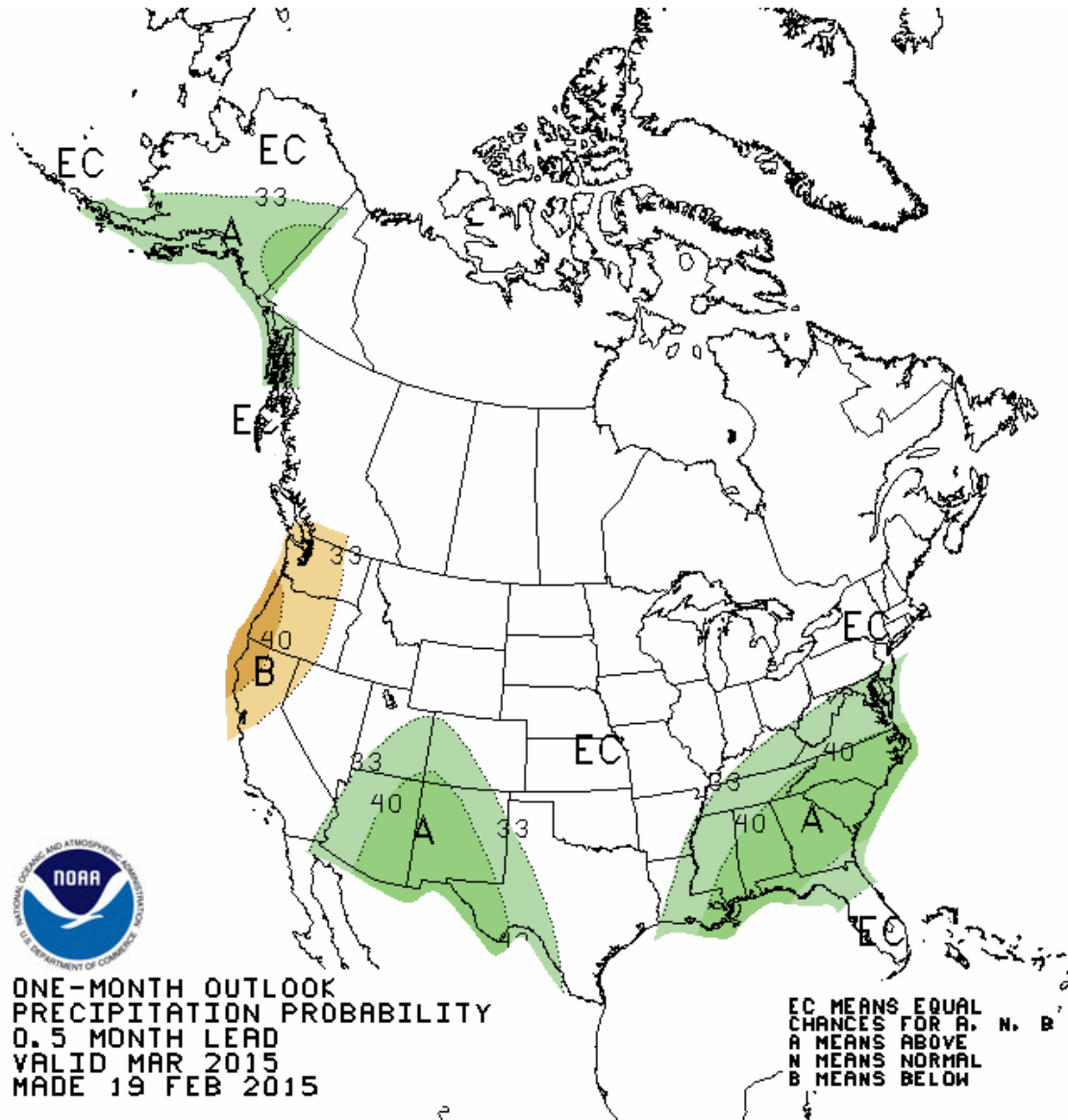
Monthly Rainfall Comparison

(as of February 25, 2015)



National Weather Service

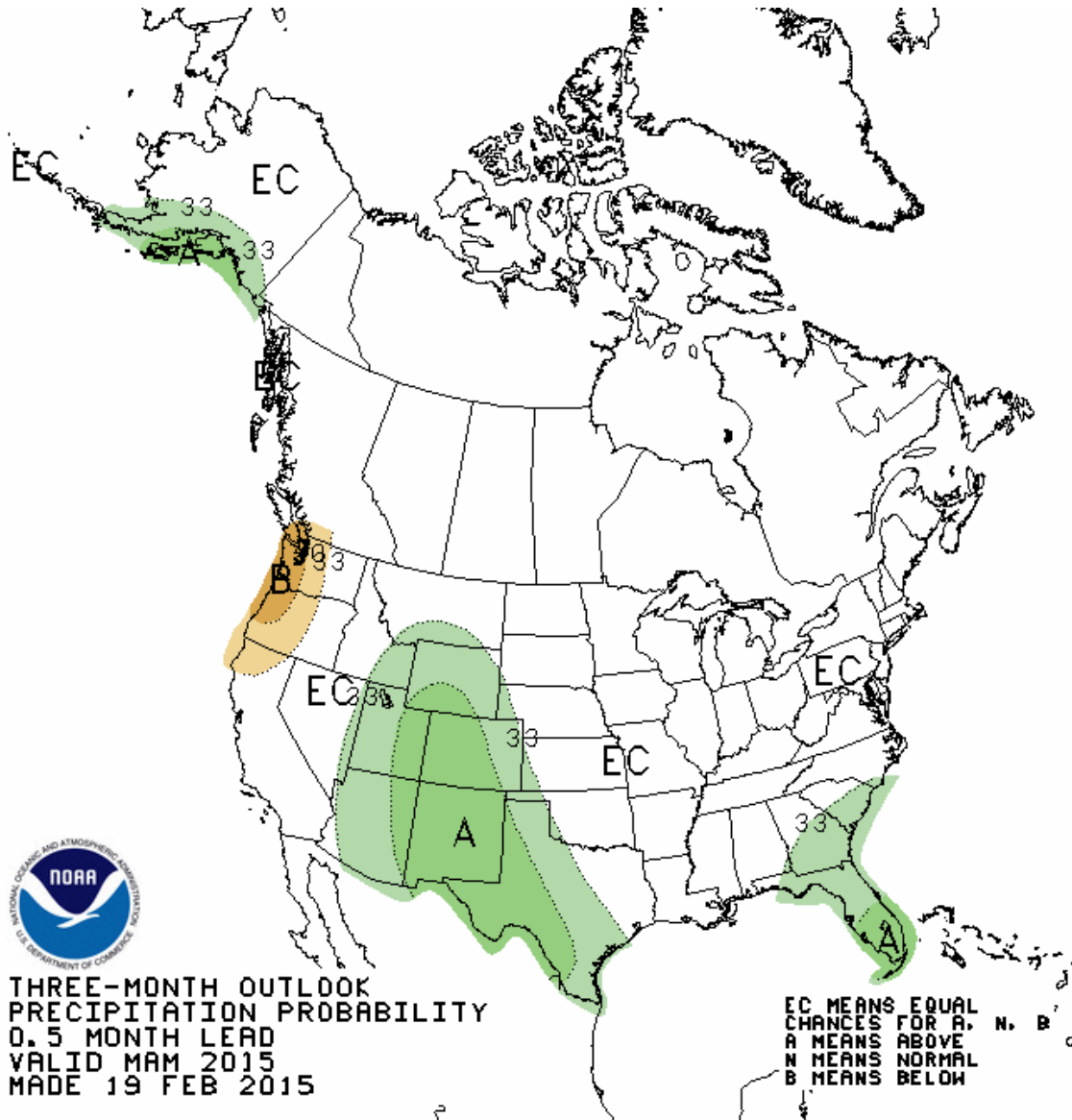
1-month outlook



ONE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0.5 MONTH LEAD
VALID MAR 2015
MADE 19 FEB 2015

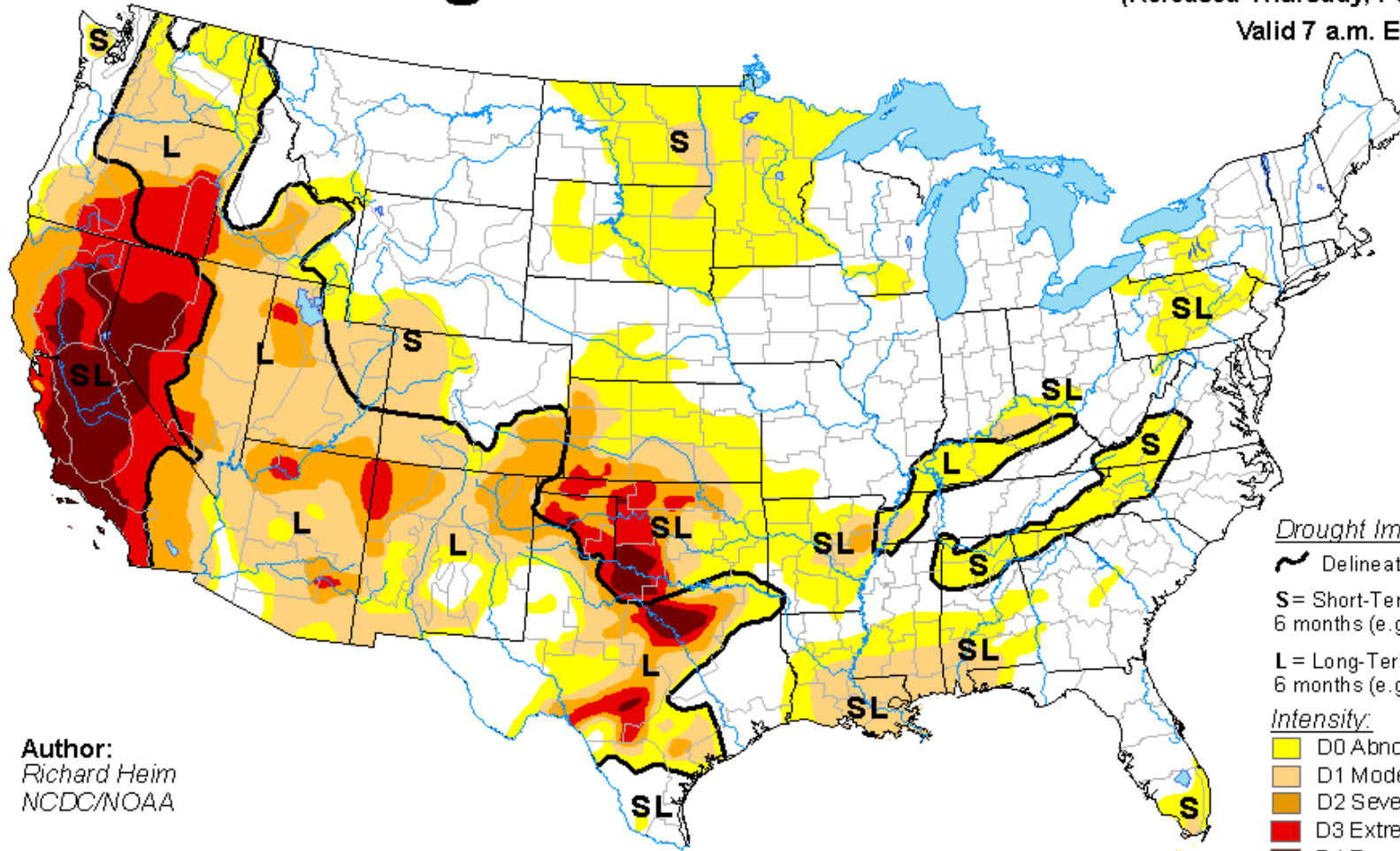
National Weather Service

3-month outlook



U.S. Drought Monitor

February 24, 2015
(Released Thursday, Feb. 26, 2015)
Valid 7 a.m. EST



Author:
Richard Heim
NCDC/NOAA

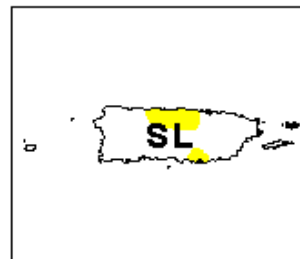
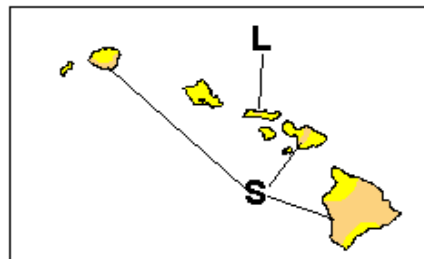
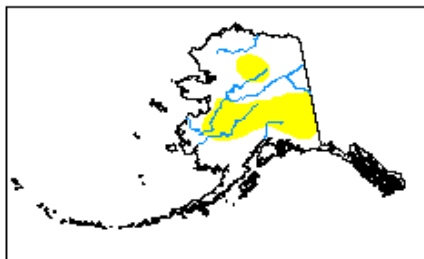
Drought Impact Types:

- 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.

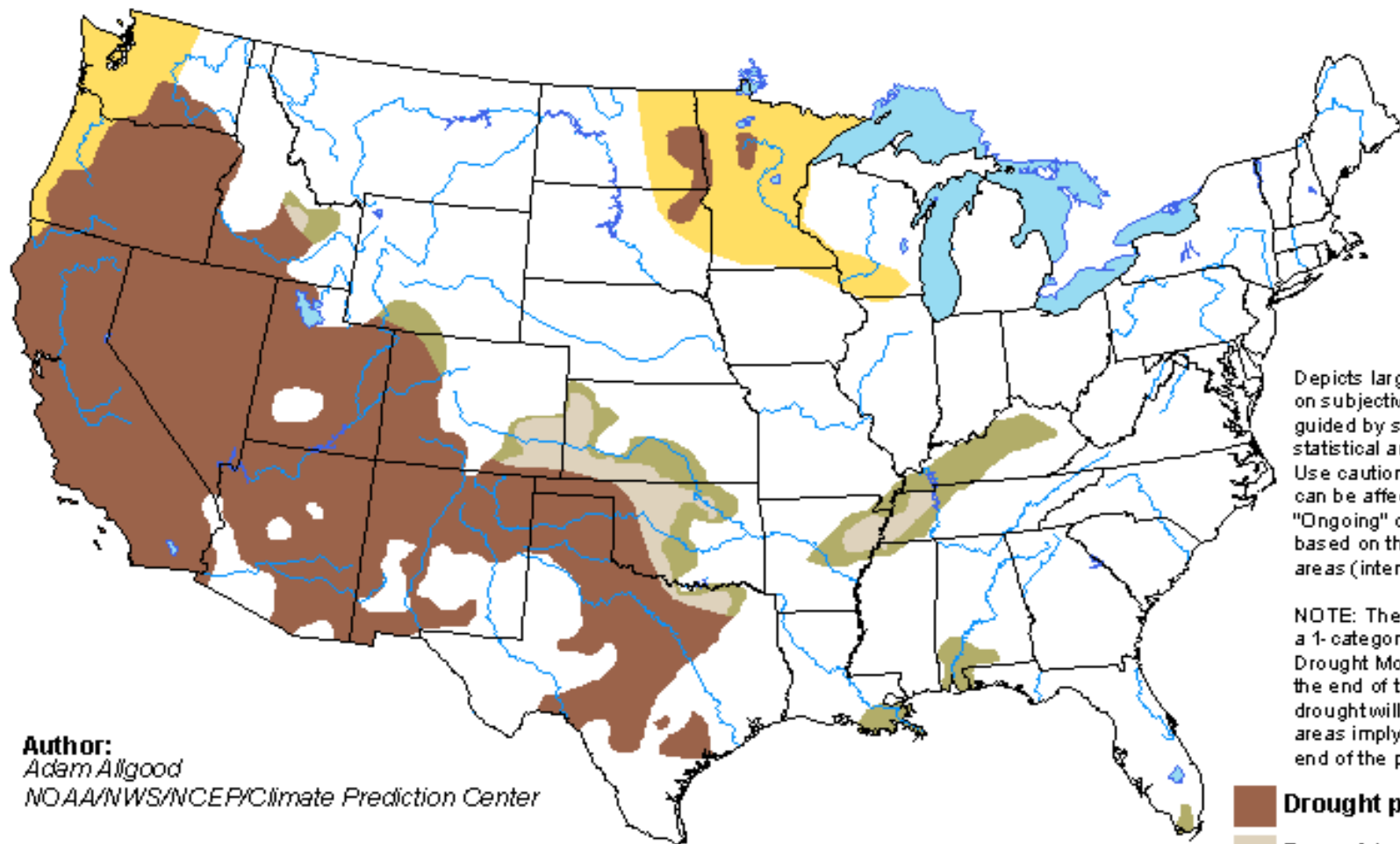


<http://droughtmonitor.unl.edu/>

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for February 19 - May 31, 2015
Released February 19, 2015

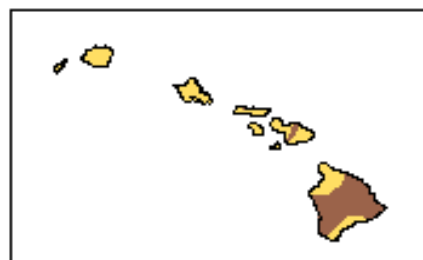
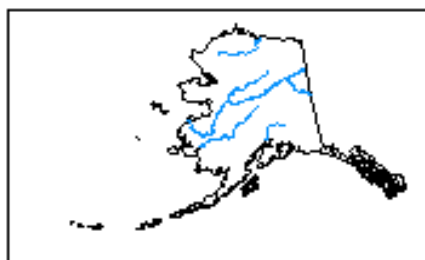


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to 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:
Adam Allgood
NOAA/NWS/NCEP/Climate Prediction Center

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



<http://go.usa.gov/hHTe>

Drought Action Plan revisions

- ▣ Drought rates
 - State recommended adoption of drought rates in advance of the next drought
 - ▣ Discourage excessive use
 - ▣ Account for additional costs and revenue loss
 - ▣ Time savings to implement
- ▣ Include for Stage 3 and 4
- ▣ EID adopted drought rates in 2012
- ▣ Customers that do conserve – no cost impact
- ▣ Customers that do not conserve – price signal to encourage conservation

Drought Action Plan Revisions

- ▣ Drought rates
 - Remove from Stage 1 and 2
 - ▣ Customers responded to aggressive outreach and communication in 2014
 - Apply to Stage 3 and 4 only
 - ▣ Stage 3 – 50% on Tier 2 and 3
 - ▣ Stage 4 – 100% on Tier 2 and 3

Drought Action Plan Revisions

- ▣ Drought stages
 - Discussion of revising Stage 2 to 20% reduction goal
 - Pros
 - ▣ Matches state conservation target
 - ▣ Matches EID customer conservation in 2014
 - Cons
 - ▣ Inconsistent message in the middle of a drought
 - ▣ Likely would hinder consultation and approval of stream flow variance request
 - Recommend maintaining 30% goal in Stage 2

Drought Action Plan Revisions

- ▣ Public Health and Safety allocations
 - Identified in Stage 4
 - Currently 68 gpcd
 - ▣ Unknown origin
 - State defines PHS at 50 gpcd

WaterSmart program

- ▣ 6-month pilot study
- ▣ Software program designed to help residential customers
 - Usage
 - Comparison to similar homes
 - Conservation tips and rebate info
- ▣ Offered to 11,000 customers in EDH
 - 60% had email addresses for receipt of Home Water Reports
 - 4 reports sent out

WaterSmart program

- ▣ Customer involvement dropped off after initial engagement
- ▣ 15% created online profile to view information
- ▣ Only 7% read December report
- ▣ Comparison to Cameron Park conservation
 - EDH conserved 3% more July/ August
 - Cameron Park conserved 9% more Sept/Oct
- ▣ Staff not able to verify origin of comparison data
 - Led to negative interaction with customers
- ▣ District will not renew contract with WaterSmart
- ▣ Continue to improve EID webpage

Stage 1 Water Alert

15% Conservation

- ▣ Voluntary:
 - Irrigate only between 7 pm and 10 am
 - Use weather info to regulate watering schedule
 - Inspect irrigation system and repair leaks
 - Adjust sprinkler times to avoid runoff
 - Do not refill drained swimming pool

Stage 2 Water Warning

30% conservation

- ▣ Voluntary:
 - Target 70% of base usage
 - Refrain from
 - ▣ watering new/replacement turf
 - ▣ irrigating new agricultural plantings
 - ▣ using potable water to hose off pavement, sidewalks, driveways
 - ▣ filling new swimming pools
 - ▣ serving glasses of drinking water automatically at dining establishments
 - ▣ using water from fire hydrant except for firefighting and essential uses
- ▣ Offer assistance to City of Placerville

Stage 2 Water Warning

30% conservation

- ▣ Mandatory:
 - All outside irrigation, potable and recycled - including garden, lawn, landscape, pasture, parks, golf courses, school and public grounds - shall ONLY occur:
 - ▣ Between the hours of 7:00 pm and 10:00 am
 - ▣ Once-a-week Nov 16 to April 15
 - ▣ Twice-a-week April 16 to June 15, and Sept 16 to Nov 15
 - ▣ Three times a week June 16 to Sept 15
 - ▣ CII accounts may be exempt from alternate watering days if they submit a 30% water use reduction plan and demonstrate their reduction goals

Stage 3 Water Crisis

50% conservation

- ▣ Mandatory:
 - Stage 1 and 2 voluntary measures become prohibited
 - ▣ Filling empty swimming pools
 - ▣ Washing vehicles with EID water
 - ▣ Filling/refilling ponds, lakes, other features
 - ▣ Hosing off driveways, pavement etc.
 - Alternate watering days
 - Prohibit use of EID potable water for construction

Stage 4 Water Emergency

>50% conservation

- ▣ Prohibit automatic sprinklers for irrigation
 - Watering may ONLY occur by hand-held hose with shut-off nozzle or drip irrigation system
- ▣ Mandatory:
 - Residential health and safety water allotments
 - Recreational Turf, non-IMS Ag and Small Farm reduce usage by 65%
 - CII reduce usage by 65%
 - IMS Ag reduce usage by 40%
- ▣ Suspend potable water supplementation of recycled water system

Next steps

- ▣ Further input on potential revisions to Drought Action Plan
- ▣ Adopt revisions at March 23 regular Board meeting

Questions

EL DORADO IRRIGATION DISTRICT

SUBJECT:

Consideration to vote for two El Dorado Local Agency Formation Commission (LAFCO) Regular Special District Members and one Alternate Special District Member.

Previous Board Action:

January 12, 2015 - Board approved the nomination of Director Dale Coco, M.D. as a Regular Special District Member candidate to the El Dorado LAFCO.

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

Board Policy 12100 states that the President with concurrence by the Board shall appoint Board representatives to various organizations and associations. These entities shall be identified in AR 12101 and updated annually in consultation with the General Manager and General Counsel.

Summary of Issue(s):

The El Dorado LAFCO is holding a Special District Election to decide seats for two Regular Special District Members and one Alternate Special District Member. One regular member will serve a four-year term, one regular member will serve a two-year term, and the alternate member will serve a four-year term. All terms will begin May 2015.

Whomever receives the highest number of votes in this election will serve as the regular member for a four-year term, the second will serve as a regular member for a two-year term, and the candidate who receives the third highest number of votes will serve the as the alternate member for a four-year term.

LAFCO is requesting the vote meet the following requirements: It shall include the original signature of the presiding officer of the District on the original ballot, and be received by LAFCO no later than Sunday, March 29, 2015.

Board Decisions/Options:

Option 1: Concur with the Board President's decision to vote for Director Dale Coco, M.D. as a Regular Special District Member to the El Dorado County LAFCO, and the President's alternative choices.

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

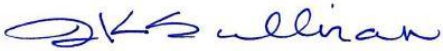
Option 3: Take no action.

Recommended Action:

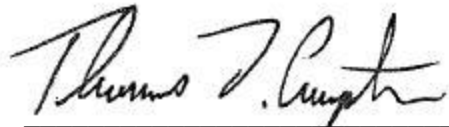
Board preference.

Supporting Documents Attached:

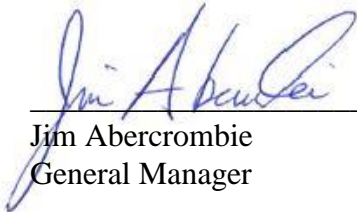
- A. El Dorado LAFCO memo dated February 6, 2015
- B. Candidate statements
- C. Election ballot (includes Board President's choices)



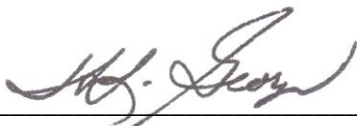
Jennifer Sullivan
Clerk to the Board



Thomas D. Cumpston
General Counsel



Jim Abercrombie
General Manager



Bill George
Board President

EL DORADO LAFCO

LOCAL AGENCY FORMATION COMMISSION

550 Main Street Suite E • Placerville, CA 95667
(530) 295-2707 • lafco@edlafco.us • www.edlafco.us

M E M O

DATE: February 6, 2015

TO: Special District Selection Committee

FROM: José C. Henríquez, Executive Officer 

SUBJECT: **Instant Runoff Election of Regular Special District Representative to El Dorado LAFCO**

Election of Special District Representative to LAFCO

Thank you for submitting nominations for the Special District Representatives election.

At the time a minimum number of ballots are received to establish a quorum, in order to be selected as a LAFCO Representative, a nominee must receive more than fifty-percent (50%) of the submitted votes. If none of the candidates receive the necessary majority of votes, LAFCO will conduct an “instant runoff election” in the interest of avoiding the additional costs of a runoff election. An informational explanation describing this election process is included for your convenience.

Also enclosed with this memo you will find a ballot and a copy of each candidate’s Statement of Qualifications received as of the date of this memo.

Please note that there are three seats that are up for election. Whomever receives the highest number of votes in this election will serve as the regular member for a new four-year term, the second top vote getter will serve as a regular member for a two-year term, and the candidate who receives the third highest number of votes will serve the as the Alternate Member for a new four-year term.

Please take the opportunity to fill out the ballot, ranking each nominee in the order of preference using “1” for your first preference, “2” for second, and so on. It is okay to vote for only one person; however, ranking additional candidates will not help defeat your first-choice candidate. Please do not mark the same number beside more than one candidate and do not skip numbers.

S:\Elections\2015 Special District Election\2015 Election Runoff Memo.docx

COMMISSIONERS

Public Member: Dyana Anderly • Alternate Public Member: Niles J. Fleege
City Members: Carol A. Patton, Austin C. Sass • Alternate City Member: John Clerici
County Members: Shiva Frentzen, Brian Veerkamp • Alternate County Member: Michael Ranalli
Special District Members: Ken Humphreys, Vacant • Alternate Special District Member: Alan Day

STAFF

José C. Henríquez, Executive Officer • Erica Sanchez, Policy Analyst
Denise Tebaldi, Interim Commission Clerk • Kara K. Ueda, Commission Counsel

The nominees, in alphabetical order, are:

- 1) **Dale Coco, M.D.**, El Dorado Irrigation District
- 2) **Ken Humphreys**, Rescue Fire Protection District
- 3) **Holly Morrison**, Cameron Park Community Services District
- 4) **Tim Palmer**, Georgetown Divide Resource Conservation District

Election Deadline

The voting period will be 53 days from February 5, 2015; all votes are due in writing on or before **5:00 pm** on **March 29, 2015**. Voting will cease on this date or whenever a quorum of special districts is reached, whichever occurs later. Please do not forget to have the Board President, or Chair, or the presiding officer of the board meeting in which you made your selection sign the returned ballot.

Thank you for your time and please feel free to contact me or any member of my staff at (530) 295-2707, if you have any questions.



Holly Morrison

El Dorado Local Agency Formation Commission (LAFCO)

Special District Representative Candidate

I would be honored to be selected by the El Dorado Local Agency Formation Commission (LAFCO) to serve as a Special District Representative. Having been a resident of Cameron Park and El Dorado County for over 12 years, I have observed the district go through many changes. I think it would be very exciting to have a say and offer a hand in helping to form the many opportunities for positive growth and change over the next few years. As a small business owner of a home-based canine board & care service, "The Dog's House", I have a vested interest in maintaining, growing and improving the local quality of life.

My current community involvement is as follows:

December 2014 to present - Elected - Board Member, Cameron Park Community Services District (CPCSD)

January 2006 to present - Elected - President and Board Chairperson, El Dorado Dog Owners Guild (EDDOG)

Non-profit 501c3. Responsible for fundraising activities, board/volunteer management, building of first off-leash dog park on the Western slope of the Sierra Nevada Foothills, Hacienda Dog Park, Cameron Park, El Dorado County.

March 2013 to present - Appointed - El Dorado County Community Action Council (EDCCAC)

District 2 Representative. EDCCAC acts as an advisory panel to the county Community Services Department and Board of Supervisors on issues affecting low income residents of the County. Its purpose is in coordination of resources and addressing major concerns such as homelessness.

Appointed by County Supervisor Ray Nutting March 2013, Elected Vice Chair August 2014

Reappointed by County Supervisor Shiva Frentzen September 2014

April 2013 to present - Cameron Park Envision Forum

"Cameron Park is a community committed to sustainable growth, while providing access to local and regional education, recreation, health care and economic opportunities. Preservation of our social, cultural and natural resources is the key element for development, planning and stewardship."

Transportation design that unifies Cameron Park and its bike and pedestrian-friendly urban transit opportunities.

2. An interconnecting regional park and trail system that supports a healthy and mobile lifestyle. 3. An architecturally cohesive, walkable downtown that promotes economic vitality to the region. 4. The sustainable integration of environmentally sensitive natural resources. 5. The enhancement of a safe and secure community.

June 2014 to present - Mature Leadership Council - The Mature Leadership Council functions to assess and help implement the interests of older adults in the greater Cameron Park area.

August 2014 to present - Rebuilding Together/Safe@Home - El Dorado County - Steering Committee - This program provides minor repairs and modifications for county Seniors that improve accessibility and safety within the home. The work is performed year-round by trained volunteers.

Work Experience: 8 years National Major Accounts Client Services Representative - WebEx Communications, Inc./Cisco Systems - San Jose, CA & Rancho Cordova, CA; Regional Account Manager - San Francisco Giants and Oakland Athletics Baseball Clubs; Regional Territory Manager SF Giants "Build the Ballpark" Campaign; Regional Account Manager - First Data/Comerica Bank Merchant Banking Services - San Jose, CA; Educator - California & Colorado. **Education** - San Francisco State University - Bachelor of Arts (B.A.) English Literature; Post Graduate Studies-Teaching Credential, licensed in California & Colorado

My interests and focus are in fire and public safety, parks and recreation, youth programs and senior citizen activities in conjunction with thoughtful development throughout the county. I would welcome selection to be an El Dorado County LAFCO Special District Representative.

Best regards, Holly Morrison / 3025 Granada Court / Cameron Park / California / 95682 / 530.676.9699

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JAN 26 2015

EL DORADO LAFCO

Statement of Qualifications for Special District Representative to the El Dorado County
LAFCO Board

My name is Tim Palmer and I am a member of the Georgetown Resource Conservation District Board. My time spent as a volunteer fireman as well as a board member for the Auburn Lake Trails Association and Cool Charity has given me insight as to how local agencies and community associations work, as well as their specific needs and desires.

I recently ran for Supervisor in district four and had the opportunity to meet many more people who care about quality local government and making decisions to continue providing needed services to our communities.

Thank you for your consideration.



Rescue Fire Protection District

• P.O. Box 201 Rescue, CA 95672 • Phone: (530) 677-1868 • Fax: (530) 677-9609
www.rescuefiredepartment.org

Statement of Qualifications for LAFCO Special District Representative

Name - Ken Humphreys

Education - Masters Degree in Science Education, Masters Degree in Mathematics

Current Position - Elected Board Member, Rescue Fire Protection District

Brief History:

I have lived in Rescue with my wife, Penny, since 1971. I retired from Sacramento City College in 1993 after teaching in California for 38 years. I have been, and continue to be active in a variety of community groups including; Board Member of the American River Conservancy, serving with the El Dorado County Women's Center, and President of the Gold County Artists Cooperative.

Special District Experience:

I was involved in the formation of the Rescue Fire Protection District including submitting petitions to LAFCO that allowed Rescue to become a Taxing District. I served as a member of the Rescue Fire Department, holding the position of an Officer, when the Rescue Fire Protection District consisted of an all "Volunteer" group in the seventies and early eighties.

I am very aware of the problems that small Special Districts such as Rescue have had and continue to have, in providing affordable Fire Protection or other services, to the community. This also includes the inability of Districts to provide for long-term planning in the absence of long-term financial stability.

I served as the lead person for the Rescue Board in establishing an Assessment District to improve the financial stability of the Rescue Fire Protection District. While this Assessment has provided some financial relief, many Districts still feel the effects of Proposition-13 and ERAF.

I am aware of the important role Special Districts play in the rural communities, whether the District is providing Fire Protection or water to a community. Many of these Districts help to provide a unifying force for the community and in many cases help to provide an identity for that community.

For the past nine years I have served as a member of the Rescue Fire Protection District Board. For the past seven years I have served as a commissioner of the El Dorado Local Agency Formation Commission, representing Special Districts. For all of the years I have been with LAFCO, I have served as a member of the Ad Hoc Budget Committee and in each of those years our budget has decreased. I have been heavily involved in the discussions and actions taken with respects to Fire Districts. I would like very much to represent Special Districts for another term.

Respectfully submitted,

Ken Humphreys, Board Member
Rescue Fire Protection District

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EL DORADO LAFCO

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JAN 24 2015

EL DORADO LAFCO

STATEMENT OF QUALIFICATIONS
CANDIDATE FOR LAFCO SPECIAL DISTRICT REPRESENTATIVE
DALE COCO, M.D.

Dr. Dale Coco is a retired primary care physician with degrees in biology from Southern Methodist University and medicine from the University of Texas. Dr. Coco worked 15 years in private practice in South Lake Tahoe and Cameron Park. He retired from Kaiser Permanente in Folsom after over 17 years with the group. During his 35-year medical career, Dr. Coco served as chief of staff at Barton Memorial Hospital and on multiple committees at Marshall Hospital. He was a volunteer faculty member at University of California, San Francisco, providing externships for third-year medical students and a volunteer clinical instructor at UC Davis, supervising residents in a clinical setting. He was also a member of the nurse practitioner training program at UCD providing internships for nurse practitioners. During his tenure at Kaiser Permanente he participated in the primary care delivery system remodel. He is a past president of the Cameron Park Rotary Club, coached youth sports, and was the sideline physician for the Oak Ridge High School football teams. Since retirement, Dr. Coco has served on the board of the American River Conservancy and the board of Snowline Hospice. He is also on the Citizens for Water Committee, the Board of the Regional Water Authority, and served on the Citizens Review Committee for the Integrated Water Resources Plan at EID.

EL DORADO LAFCO

LOCAL AGENCY FORMATION COMMISSION

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ELECTION BALLOT

**EL DORADO
IRRIGATION DISTRICT**

Special District Representative to LAFCO Regular and Alternate Seat

*The election ends on March 29, 2015 at 5:00 p.m. or until a quorum of
Special District ballots is received, whichever occurs later.*

Rank the nominees in preferential order, "1" being the first preference, "2" being the second, and so on.

Dale Coco, M.D. , El Dorado Irrigation District	① 2 3 4
Ken Humphreys , Rescue Fire Protection District	1 ② 3 4
Holly Morrison , Cameron Park Community Services District	1 2 3 ④
Tim Palmer , Georgetown Divide Resource Conservation District	1 2 ③ 4

SIGNATURE OF PRESIDING OFFICER (Original Signature Required):

Note: Presiding Officer is the Chair/President. Any other signature invalidates this ballot.

PRINTED NAME OF PRESIDING OFFICER (Required):

**Mail to: LAFCO
550 Main Street, Suite E
Placerville, CA 95667**

AGENDA ATTACHED (Optional): Yes No

IMPORTANT

Please return this ballot with or without a vote.
If you choose not to vote, write "No Vote" and mail with presiding officer's signature.

S:\Elections\2015 Special District Election\2015 SDE Ballots\2015 SDE Ballots_Emailed\2015 Election Ballot_El Dorado Irrigation District.docx

COMMISSIONERS

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