

September 14, 2015

Board of Directors
East Orange County Water District
185 N. McPherson Road
Orange, California 92869

Dear Members of the Board,

Please be advised that a regular meeting of the Board of Directors of the East Orange County Water District will be held on Thursday, **September 17, 2015, at 5:00 p.m.** in the offices of the East Orange County Water District, 185 N. McPherson Road, Orange, California. Enclosed please find the agenda for the meeting.

Very truly yours,

EAST ORANGE COUNTY WATER
DISTRICT

By:  Joan C. Arneson
Secretary

JCA/

Enclosures

cc: Mailing List

150473 .03

AGENDA

EAST ORANGE COUNTY WATER DISTRICT
(EOCWD)

Thursday,
September 17, 2015
185 N. McPherson Road, Orange, California
5:00 p.m.

1. **Call Meeting to Order and Pledge of Allegiance – President VanderWerff**
2. **Public Communications to the Board**
3. **Addition of Items Arising After Posting of Agenda Requiring Immediate Action**
(Requires 2/3 vote or unanimous vote if less than 2/3 of members are present)

Recommended Motion: "THAT IT BE DETERMINED THAT THE NEED TO TAKE IMMEDIATE ACTION ON [SPECIFY ITEM(S)] CAME TO THE DISTRICT'S ATTENTION AFTER POSTING OF THE AGENDA AND THAT SUCH ITEM(S) BE ADDED TO THE AGENDA"

4. **General Manager's Report (Exhibit "A")**

Recommended Motion: "THAT THE GENERAL MANAGER'S REPORT BE RECEIVED AND FILED"

5. **Approval of Minutes of August 20, 2015 Meeting (Exhibit "B")**
6. **Operation, Management and Construction Matters**

- A. Amendment No. 4 to Carollo Engineers contract - design of Peters Canyon (6 MG) Reservoir roof repairs (Exhibit "C")

Recommended Motion: "THAT AMENDMENT NO. 4 TO THE CONTRACT WITH CAROLLO ENGINEERS BE APPROVED, TO ADD ENGINEERING SERVICES FOR THE PETERS CANYON RESERVOIR REPAIRS AND REHABILITATION IN THE NOT-TO-EXCEED AMOUNT OF \$63,772, AND THAT THE GENERAL MANAGER BE AUTHORIZED TO EXECUTE THE AMENDMENT"

- B. Amendment No. 3 to CommunicationsLab contract – outreach assistance, drought and sewer transfer (Exhibit “D”)

Recommended Motion: “THAT AMENDMENT NO. 3 TO THE CONTRACT WITH COMMUNICATIONSLAB BE APPROVED, PROVIDING FOR COMMUNITY OUTREACH SERVICES IN AN AMOUNT NOT-TO-EXCEED \$51,000, AND THAT THE GENERAL MANAGER BE AUTHORIZED TO EXECUTE THE AMENDMENT”

- C. Participation in joint urban water management planning (Exhibit “E”)

Recommended Motion: “THAT THE AGREEMENT FOR SHARING CONSULTANT COSTS FOR 2015 URBAN WATER MANAGEMENT PLANS, WITH MUNICIPAL WATER DISTRICT OF ORANGE COUNTY AND OTHER PARTICIPATING AGENCIES, BE APPROVED AND THAT THE GENERAL MANAGER BE AUTHORIZED TO EXECUTE THE AGREEMENT ON BEHALF OF THE DISTRICT AND REMIT PAYMENT OF \$24,186 ”

- D. 2015/16 severe weather outlook – inventory of District facilities (Exhibit “F”)

7. Financial Matters

- A. Approval of schedules of disbursements (Exhibit “G”)
- B. Report on investments/ ratification of investment activity (Exhibit “H”)
- C. Receipt and filing of financial statements (July 31) – (Exhibit “I”)

Recommended Motion: “THAT THE SCHEDULES OF DISBURSEMENTS BE APPROVED AS SUBMITTED, THAT THE SCHEDULES OF INVESTMENTS BE RATIFIED AND APPROVED, AND THAT THE FINANCIAL STATEMENTS BE RECEIVED AND FILED”

8. Miscellaneous Matters

- A. Reports from committees and representatives to organizations
- B. Directors’ reports on meetings attended
- C. Local sewer service transfer - status report (Exhibit “J”)
- D. Wholesale and retail water usage report (Exhibit “K”)

Recommended Motion: “THAT THE WHOLESALE AND RETAIL WATER USAGE REPORT BE RECEIVED AND FILED”

- E. Drought response report (Exhibit "L")

Recommended Motion: "THAT THE DROUGHT RESPONSE REPORT BE RECEIVED AND FILED"

9. Informational Items

- A. General interest publications (Exhibit "1")

10. Adjournment

The scheduled date of the next Regular Meeting of the Board of Directors is **October 15, 2015**, at 5:00 p.m., in the offices of the East Orange County Water District, 185 N. McPherson Road, Orange, California

Availability of agenda materials: Agenda exhibits and other writings that are disclosable public records distributed to all or a majority of the members of the East Orange County Water District Board of Directors in connection with a matter subject to discussion or consideration at an open meeting of the Board are available for public inspection in the District's office, 185 N. McPherson Road, Orange, California ("District Office"). If such writings are distributed to members of the Board less than 72 hours prior to the meeting, they will be available at the reception desk of the District Office during business hours at the same time as they are distributed to the Board members, except that if such writings are distributed less than one hour prior to, or during, the meeting, they will be available in the meeting room of the District Office.

Disability-related accommodations: The East Orange County Water District Board of Directors meeting room is wheelchair accessible. If you require any special disability-related accommodations (e.g., access to an amplified sound system, etc.) please contact Sylvia Prado in the District Office at (714) 538-5815 during business hours at least seventy-two (72) hours prior to the scheduled meeting. This agenda can be obtained in alternative format upon written request to Sylvia Prado in the District Office, at least seventy-two (72) hours prior to the scheduled meeting.

EAST ORANGE COUNTY WATER DISTRICT GENERAL MANAGER'S REPORT

September 2015

The following report is a summary of the District's activities over the past month.

GENERAL MATTERS

Reviewed correspondence, conferred with customers regarding billing issues and vendors/other interested parties regarding business with the District, and met with staff members regarding daily activities and on-going projects.

SEWER

A. OCSD Transfer

See Agenda Item

WHOLESALE ZONE

A. Peters Canyon (6 MG) Reservoir Status Update

Security System – Staff is working with a security contractor to finish the installation of the remaining parts of the system.

6 MG Reservoir Roof – Staff met with Carollo Engineering who will be preparing the scope of work for the design of the reservoir roof repairs as well as drainage improvement around the site.

B. Master Plans and Treatment Plant Feasibility Study Update

Master Plan Status:

1. Draft WZ Master Plan submitted for review to EOCWD on August 26, 2015.
2. Draft RZ Master Plan is in preparation; submittal estimated prior to September 30, 2015.

WTP Feasibility Study:

1. Draft financial model prepared; review meeting held on September 3, 2015.
2. ID Modeling will be running an additional modeling run to evaluate 8 cfs flow through the EOCWD system into Santa Ana's.
3. Preliminary financial model indicates that the project water cost is equal to MWD, but long term (after capital repaid), significant financial benefits.
4. Grants for energy efficiency and low interest loans may reduce capital costs and lower project water costs.
5. Financial model will be presented to Engineering Committee at their October Meeting.

C. OC-70 Meter Test Comparison

An ongoing issue in the Wholesale Zone has been “unaccounted-for water.” For several years, staff has been investigating the seeming “loss” of millions of gallons of water each month – so much water in fact, that it would be creating large lakes somewhere if it was entering and escaping our system.

Over the past several years, staff has conducted many analyses and failed to find a cause or a pattern of loss that yielded clues as to the cause. After exhausting all reasonable possibilities on the District's side of the meter, we contacted MWDOC staff and sought their assistance in setting up a meeting with MWDSC (MET) to determine if the problem is on their side of the meter.

On June 2nd, staff/MWDOC held their first meeting with MET staff to review the history of this problem and the efforts that EOCWD has gone to find the cause. As a result of that meeting MET staff agreed to examine their meter, calibration and design of the meter installation.

A second meeting was held on July 20th with MET to further review MET's investigation; MET suggested that more investigation work be performed over the next month to better determine whether these discrepancies are related to meter error. Some recommendations that came out of the meeting were to pull the existing meter and inspect it for possible irregularities as well as inspect the check valve downstream of the meter to ensure it is holding tight during pumping conditions; EOCWD staff is working with MET staff to make operational arrangements so that the meter and check valves can be physically removed and examined. This work was initially scheduled for early September, however, no date has yet been identified.

D. WZ Connection Permits

None to report.

RETAIL ZONE

1) East Orange DroughtReach™ Program

Working with Communications Lab, the District has developed our DroughtReach Program™ comprised of a series of educational coffee/donut meetings, signs, printed material, social media, bill stuffers and one-on-one customer service outreach.

This campaign, along with field staff's efforts, have been very successful. For the third month, we have met our 36% reduction goal. Please refer to the monthly agenda item for August's DroughtReach™ activities.

2) Well / Booster Station Operations

East Well – No issues to report. 100% of the Retail Zone demand is being met by this well.

The OCWD Coastal Pumping Transfer Program (CPTP) has ended as of June 30th. The District will be purchasing treated import water over the course of 2015-2016 to avoid exceeding the 70% BPP.

West Well and Stoller Booster Pump Repair Project – The West Well and booster station have been offline since February 2013 due to worn pump assemblies; the East Well can and has been meeting our entire RZ demand.

As mentioned in the previous months' General Manager's reports, staff has delayed sending out RFPs for the West Well and Stoller booster pump repair over concerns with the declining water

levels in the groundwater basin and the fact that well companies are very busy at this time. Well water levels have been holding steady last month at 282 feet (below ground surface).

3) System Leaks

No leaks were experienced in August.

4) Water Availability Request/Connection Permits

No requests for permits were received in August.

Joint System (WZ & RZ) Activities

SEDARU

Please see the attached example of a Sedaru work report that provides information on the types of customer interactions that staff are having. There are several reports that detail work on hydrants, valves, flushing and other operational data – this one is geared only to customer contact.

A water quality component is being added to SEDARU as well which will allow staff to record and upload water quality data for all of our sampling sites. This is important because it will allow staff to easily retrieve data as well as create reports. This is expected to be ready in October. After the water quality component is completed, working with ID Modeling, staff will GPS locating every valve in the Retail and Wholesale Systems and using that information to create a program that can easily determine which valves to close or open depending a given emergency scenario. This will save time, and potentially damage to the system, during emergency response to leaks requiring a shutdown.

A. Monthly Operations Activities

- Conservation Program – responded to numerous customer requests (see drought report).
- Repaired meter leaks at Crawford Canyon, Los Timbres, March Ranch, St. Marks, and Bonita Hts.
- Changed out meters at Fairhaven Ext., Cresthaven Lane, St. Marks, Barrett Lane, High Crest Circle, and Los Timbres.
- Investigated customer leaks at Los Timbres, Barrett Hill Circle, Fairhaven Ext., Crawford Canyon Rd., Villa Del Cerro, Circula Panorama, Barrett Lane, March Ranch Rd.
- Meter Disconnects at Circula Panrama, Alta Panorama, Charmaine Lane, Barrett Lane, St. Thomas Drive, Stonehenge, Crawford Canyon, View Ridge Drive.
- Meter Connects at Crawford Canyon Rd., View Ridge Drive, Maynard Way, Barrett Lane, Circula Panorama, Stonehenge.
- Final Reads at Smiley Drive, Stonehenge,
- Submitted Statewide General Discharge Permit Notice of intent. (Superintendent)
- Tested WZ meters
- Worked with ID Modeling on new water quality module.(Superintendent)
- Attended Water Loss Workshop in Huntington Beach.(Superintendent)
- Repaired Chlorine generator.
- Cleaned brine tank.
- Lead and Copper Program - Collected lead and copper samples for Tri-annual monitoring.

General Manager's Report – September 2015

- Sent NLSS Security Computer in for update.(Superintendent).
- Attended staff meetings and meeting with Carollo regarding various projects (Superintendent).

Weekly Tasks

- Attend weekly safety meetings (All field staff)
- Reviewed sewer cleaning operations with OCSD
- Performed weekly water quality sampling
- Measure static and pumping water levels in wells.
- Performed USA locations
- Responded to utility requests from the County and city of Orange
- Picked up water quality supplies and changed reagent bottles
- Clean-up, organize and restock service trucks
- Clean-up and organized shop
- Vehicle maintenance

Monthly Tasks

- Attend monthly staff meeting with General Manager (all employees)
- Attend committee meetings – Operations and Engineering (Superintendent)
- Prepared monthly CDPH water quality reports
- Prepared monthly CRWQCB report for well discharge
- Report retail water system production to State
- Performed dead-end flushing
- Read WZ meters
- Check WZ meter data; assist with preparation of WZ Billing
- Delivered Board agenda packages
- Participated in WEROC radio test

Meetings

Due to staff absences and agenda production deadlines, information on meeting attendance was not available for this agenda.

FIELD LABOR REPORT BY TASK

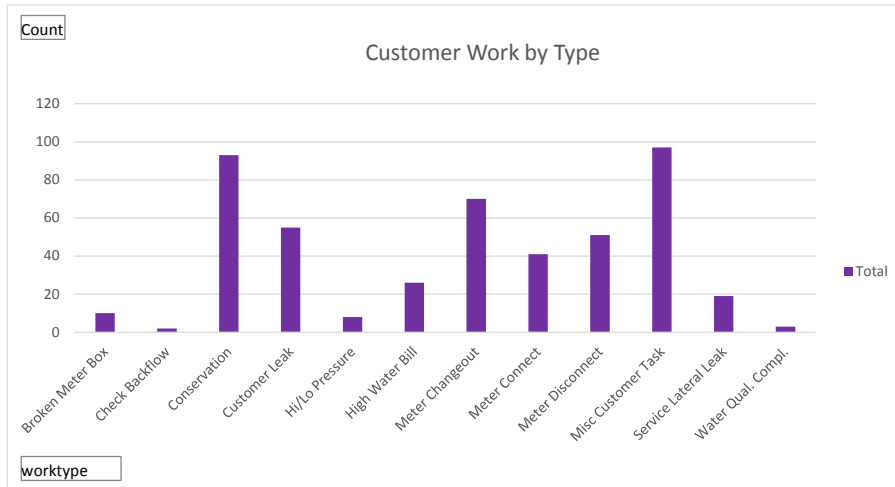
12 Month Total Work Completed

by Type	Count
Broken Meter Box	10
Check Backflow	2
Conservation	93
Customer Leak	55
Hi/Lo Pressure	8
High Water Bill	26
Meter Changeout	70
Meter Connect	41
Meter Disconnect	51
Misc Customer Task	97
Service Lateral Leak	19
Water Qual. Compl.	3
Grand Total	475

Count	Column Labels			Grand Total
	2015	Jul	Aug	
Type/Month Matrix	Jun	Jul	Aug	
Broken Meter Box	2			2
Conservation	24	34	25	83
Customer Leak	10	2	2	14
Hi/Lo Pressure	1			1
High Water Bill	2	1		3
Meter Changeout	10	4		14
Meter Connect	6	3		9
Meter Disconnect	5	3	2	10
Meter Read	12	5	1	18
Misc Customer Task	13	2		15
Service Lateral Leak	5			5
Water Qual. Compl.	1	1		2
Grand Total	91	55	30	176

Leak Type	Count
Fitting	11
2014	6
2015*	5
Joint	5
2014	1
2015*	4
Pinhole	16
Grand Total	32

*2015 #'s are through 8/31/15



ANNUAL

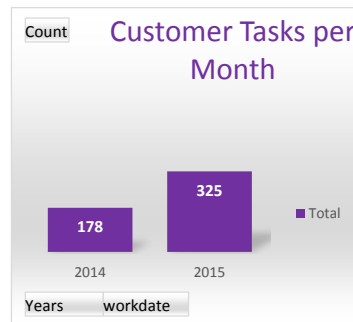
by Employee	Count
jmendzer	97
mplummer	226
tcoston	180
Grand Total	503

LAST THREE MONTHS

by Employee by Month	Count
jmendzer	26
2014	7
2015	
Jun	13
Jul	1
Aug	5
mplummer	112
2014	22
2015	
Jun	44
Jul	33
Aug	13
tcoston	71
2014	4
2015	
Jun	34
Jul	21
Aug	12
Grand Total	209

ANNUAL BY

by Type/Mon	Count
2014	178
2015	325
Grand Total	503



MINUTES OF THE REGULAR MEETING
OF THE BOARD OF DIRECTORS OF
EAST ORANGE COUNTY WATER DISTRICT

August 20, 2015

1. Call to Order. A Regular Meeting of the Board of Directors of the East Orange County Water District was called to order by WILLIAM VANDERWERFF, President of the Board of Directors, at 5:00 p.m. on Thursday, July 16, 2015, in the offices of the East Orange County Water District, 185 N. McPherson Road, Orange, California. JOAN ARNESON, Secretary, recorded the minutes of the meeting.

The following Directors were present: RICHARD BELL, JOHN DULEBOHN, SEYMOUR EVERETT and WILLIAM VANDERWERFF. Also present were:

LISA OHLUND	General Manager
JERRY MENDZER	Maintenance & Operations Superintendent
SYLVIA PRADO	District Administrative Assistant
JOAN ARNESON	District Secretary and Legal Counsel (by telephone)
ART VALENZUELA	City of Tustin
BILL EVEREST	Consultant
KEN VECCHIARELLI	Golden State Water Company
JOYCE DORAN-SCHOONOVER	Members of Carl Schoonover's family

6. Operation, Management and Construction Matters.

A. Commendation of Carl R. Schoonover For Services to the District. President VANDERWERFF recognized members of Carl Schoonover's family who introduced themselves – Joyce, Eric, Susan, Kirk, Elisa, Hunter, Grace, Robi Lynn and others. President VANDERWERFF recalled his first meeting with Carl 32 years ago and his experience with Mr. Schoonover in ably and responsively serving the District. Other Board members also commended Carl and his work for the District. Ms. OHLUND said she wanted to also commend JOYCE DORAN-SCHOONOVER for her services to the District, and then read the proposed resolution.

ACTION TAKEN:

Upon a motion duly made, seconded and carried unanimously (Davert absent), Resolution No. 758 was adopted, entitled: "Resolution of the Board of Directors of the East Orange County Water District Expressing Appreciation, Commemorating and Inviting Public Attention to the Outstanding Services Rendered By Carl R. Schoonover As the District's Treasurer and Accountant."

2. Public Communications to the Board. None.

3. **Items Arising After Posting of Agenda.** None.

4. **General Manager's Report.**

ACTION TAKEN:

Upon a motion duly made, seconded and carried unanimously (Davert absent), the General Manager's Report was received and filed.

5. **Minutes.**

ACTION TAKEN:

Upon a motion duly made, seconded and carried unanimously (Davert absent), the minutes of the meetings of July 9 and 16, 2015 were approved as submitted.

6. **Operation, Management and Construction Matters.**

B. **Design of Peters Canyon (6MG) Reservoir Roof Repairs.** Director BELL reported that this was reviewed by the Engineering Committee and the conclusion was that although repairs versus a new roof is a difficult choice, the work is necessary. Ms. OHLUND reported that in response to committee inquiries, other options such as shade balls and a floating cover were explored, but all were more expensive. She said the proposed repairs would be designed to sustain a high level of Santa Ana winds, as well as address pinhole leaks and quality. Replacing the reservoir would be in the range of \$6 -7 million, and retrofit on the current site that includes both cut and fill, based on Brady Engineering previous analysis, is not an option. Given the cost of replacement, she said it makes sense to defer the analysis of replacement until there is more direction on the treatment plant proposal, but in the meantime, the roof repairs should be done. Starting the design is time critical to be able to complete work before the high demand season.

Director BELL discussed referring the matter back to committee to evaluate lowering the operating level or taking the reservoir out of service, and authorizing repair design but proceeding in parallel with a seismic analysis and analysis of replacement. Ms. OHLUND said reducing or stopping the operation of the reservoir would need to be reviewed with the wholesale customer agencies. After further discussion, it was the consensus that the recommended action be deferred to the next meeting.

ACTION TAKEN:

Upon a motion duly made, seconded and carried unanimously (Davert absent), the recommended action was deferred pending legal review for any applicable requirements to retrofit to meet current design standards.

C. Participation in CALWARN.

ACTION TAKEN:

Upon a motion duly made, seconded and carried unanimously (Davert absent), the California Water/Wastewater Agency Response Network Warn 2007 Omnibus Mutual Assistance Agreement was approved and the General Manager was authorized to execute the agreement on behalf of the District.

D. Equipment and Material Surplus Declaration.

ACTION TAKEN:

Upon a motion duly made, seconded and carried unanimously (Davert absent), the assets included in the list as presented were declared surplus and staff was directed to dispose of said items by sale to the dealer offering the highest total price.

7. Financial Matters.

A. Schedule of Disbursements. Schedules of disbursements in the following amounts were presented: \$848,576.67 from Wholesale and Retail Operating Funds, \$2,483.35 for directors' payroll, and \$36,626.91 for employees' payroll.

B. Investment Activity. Schedules of investments were presented.

C. Financial Statements (June 30). The financial statements were presented.

On behalf of the Finance Committee, Director DULEBOHN recommended approval of the schedule of disbursements and investment schedules, and receipt and filing of the financial statements.

ACTION TAKEN:

Upon a motion duly made, seconded and carried unanimously (Davert absent), the schedules of disbursements were approved as submitted, the schedules of investments were ratified and approved, and the financial statements were received and filed.

D. Interim District Treasurer Services. Relative to the action at the last meeting to appoint Cindy Byerrum as interim Treasurer, Ms. OHLUND recommended approval of a contract for the interim services and said she will be working with the Finance Committee to evaluate long-term options.

ACTION TAKEN:

Upon a motion duly made, seconded and carried unanimously (Davert absent), the contract with Platinum Consulting Group for services was approved, and the General Manager

was authorized to execute the contract, with a not-to-exceed amount of \$4,500 annually for required services and optional services on a time and materials basis.

8. Miscellaneous Matters.

A. Reports from Committees and Representatives to Organizations. None.

B. Directors' Reports on Meetings Attended. Director DULEBOHN reported on the ISDOC meeting.

C. Orange County Sanitation District #7 Local Sewer Service Reorganization – Status Report. Ms. OHLUND indicated that she had nothing to add to the written report.

D. Water Demand Status Report. Ms. OHLUND reported that the District exceeded the July reduction target and was also on track to meet or exceed the reduction target in August.

ACTION TAKEN:

Upon a motion duly made, seconded and carried unanimously (Davert absent), the Water Demand Status Report was received and filed.

E. Drought Response Report. Director DULEBOHN noted that staff's customer response tasks seem to be higher than usual, and Ms. OHLUND said this was due to the drought and the notices of violation that have been given, generating many questions and requests for assistance. She discussed the communications plan.

ACTION TAKEN:

Upon a motion duly made, seconded and carried unanimously (Davert absent), the Drought Response Report was received and filed.

F. Umbrella Agreement With MWDOC For Conservation Rebates. Based on his employment with MWDOC, Director BELL recused himself from this item and left the Board room. Ms. OHLUND said MWDOC was placing all of its existing rebate programs under one agreement in lieu of the separate agreements used in the past. She recommended that the District continue to participate in the smartimer program, which provides a significant savings to the customer with the MWD, MWDOC and EOCWD rebates combined.

ACTION TAKEN:

Upon a motion duly made, seconded and carried unanimously (Bell and Davert absent), the Water Conservation Participation Agreement with Municipal Water District Of Orange County, inclusive of Addenda 1-4, was approved and the General Manager was authorized to execute the agreement and applicable addenda on behalf of the District.

9. Informational Items.

A. General Interest Publications. Included were: *San Francisco Attorney*, "The New Age of Water Regulation – Who Will Float To the Top?"; *ACWA Water News*, "Governor Indicates Willingness To 'Adjust' Conservation Mandates to Credit Past Water Supply Investments."

10. Adjournment.

ACTION TAKEN:

Upon a motion duly made, seconded and carried unanimously (Davert absent), the meeting was adjourned at 6:40 p.m., the next regular meeting date and time being Thursday, September 17, 2015, at 5:00 p.m., to be held in the Offices of the East Orange County Water District, 185 N. McPherson Road, Orange, California.

Respectfully submitted,

Joan C. Arneson



MEMO

TO: BOARD OF DIRECTORS
FROM: GENERAL MANAGER
SUBJECT: **AMENDMENT 4 TO CAROLLO ENGINEERING CONTRACT – DESIGN OF PETERS CANYON (6 MG) RESERVOIR ROOF REPAIR/REHABILITATION**
DATE: SEPTEMBER 17, 2015

Background

At the July 17, 2014 Meeting, the Board approved the award of an engineering contract to Carollo Engineers to provide an update to the Wholesale and Retail Zone Master Plans and to conduct a Feasibility Study of the Peters Canyon Water Treatment Plant.

At the November 20²⁰¹⁴ Meeting, the Board approved Amendment #1 to the Master Plan contract by retaining Carollo to conduct a condition assessment for the Peters Canyon Reservoir. Carollo has completed their assessment and has prepared recommendations for the repair/rehabilitation of the reservoir roof.

After reviewing this recommendation with the Engineering Committee, and for purposes of timely repair of the reservoir, cost, efficiency and cohesiveness, staff prepared a Scope of Work (attached) for the design of the repairs to the reservoir and solicited a proposal to perform the work from Carollo.

Carollo submitted the attached proposal and estimated fee of \$63,772. At their August 18th Meeting, the Engineering Committee recommended approval of the proposed contract amendment, however at the August 20th Board Meeting, Directors Dulebohn and Bell raised issues regarding the wisdom of repairing the existing roof rather than replacing the reservoir. Subsequently, the Board directed staff to return to the Engineering Committee to review the questions raised by the directors and return with a recommendation.

Subsequently, staff met with Director Bell and obtained additional information regarding geotechnical studies that had been performed on the site, as well as seismic review and the cost for replacing the reservoir. The Engineering Committee met on September 8th to review this information, as well as to discuss additional information obtained by Project Manager Everest and Superintendent Mendzer regarding earthquake faults, wind loads and historic reservoir construction and inspection information. Based upon this additional information, the Committee agreed to recommend the Board approve the proposed contract amendment with Carollo Engineers to repair/rehabilitate the reservoir roof.

Fiscal Impact

Funding for these services was included in the Wholesale Zone Capital Budget under Account #71102E1; the total budget available for design and construction-related services for this project is \$150,000.

Recommendation

The Board approve Amendment 4 to the contract with Carollo Engineers, Inc. (Carollo) to provide engineering consulting services for the of the repairs/rehabilitation of the Peters Canyon (6 MG) Reservoir for a not-to-exceed amount of \$63,722 and authorize the General Manager to execute the contract amendment.



DIRECTORS

Richard B. Bell
Douglass Davert
John Dulebohn
Seymour B. Everett III
William Vanderwerff

Lisa Ohlund
General Manager

185 N McPherson Road
Orange, CA 92869-3720

www.eocwd.com

Ph: (714) 538-5815
Fax: (714) 538-0334

August 6, 2015

Graham Juby, PhD, PE.
Carollo Engineers
3150 Bristol St. - S-500
Costa Mesa 92626

Subject: Peters Canyon Reservoir Roof Rehabilitation Design - Request for Scope and Fee

EOCWD requests Carollo Engineers to prepare and submit a scope of work and fee estimate for the subject project. The design effort is described below; please respond with a proposal including fee estimate by August 12, 2015.

PROJECT DESCRIPTION

Prepare design plans, specifications and cost estimates for construction (conventional DBB) of the Peters Canyon Reservoir Roof Rehabilitation (PCRRR) as described in the Condition Assessment / Repairs Report (Carollo Engineers - June 2015), and previous reference reports: 1) Western Wood Structures - Nov. 2013, 2) American Geotechnical - April 2014, 3) Brady - Sept. 2014.

WORK PLAN CONTENTS

- 1) It is assumed that the existing aluminum roof does not need to be removed and replaced to facilitate the rehabilitation. If Carollo believes this is not viable, prepare an alternative approach and discuss with EOCWD.
- 2) Determine health and safety requirements for the work area, assuming a construction platform can be installed on the reservoir floor, following full drawdown by EOCWD. Equipment and basket lift access would be through the existing roof hatch.
- 3) Outline construction provisions for maintaining the existing bottom/side Hypalon liner (120 mil) to avoid deterioration or damage; Contractor to assume full responsibility for maintaining the liner in present condition.
- 4) Provisions for the Contractor to replace all fasteners with high quality material, and install with appropriate screws; address fastener/ metals incompatibility issues to prevent further deterioration of the roof; replace damaged glulam beam ends with retrofit connections,
- 5) Following start of construction, EOCWD will prepare a dimensional drawing showing specific location of all support columns in relation to reservoir sides (for future solar array frame - not a part of this contract).
- 6) Prepare specifications for the application of a silicone rolled sealant to seal current and prevent future roof pinhole leaks, following reservoir rehabilitation.

- 7) Outline solutions to other constructibility issues, including those provided by reservoir roof contractor representatives (site visit minutes of meeting with Royal Roofing Construction Co. - Placentia on July 30 will be provided ; site visit with liner installer scheduled for the week of August 10-13).
- 8) Prepare design drawings and specifications for construction of all recommendations in the Carollo report - June 2015; District to provide : a) General Conditions for Construction and Inspection of Facilities, and b) Engineering Plan Check & Design Requirements ;
- 9) Provide refined estimate of probable construction cost, as outlined in the Carollo June 2015 report.
- 10) Design to be in accordance with latest regulations and criteria: CBC structural regulations, OSHA Confined Space and health & safety requirements, power line clearance, wind load of 85 mph, hardware materials for long-lasting service, others as appropriate.

PROPOSAL CONTENTS

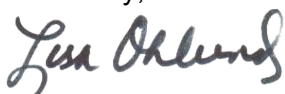
Include the following in the proposal:

- 1) Scope of work incorporating and detailing the above work plan elements.
- 2) List of anticipated design plan drawings, sketches and technical specifications.
- 3) Commitment to the design schedule outlined below; suggest refinements if necessary.
- 4) Team experience (specific related experience of committed team members, with client references).

ANTICIPATED PROJECT SCHEDULE

1) Constructability site visit	Aug. 10-13, 2015 (tentative)
2) Proposal due	Aug 31
3) Engineering Committee concurrence	Sept 8 (tentative)
4) Board approval	Sept 17
5) Execute agreement amendment	Sept 18
6) Design NTP	Sept 21
7) Design	Sept 21 - Oct 30
8) Advertise	Nov 2
9) Bids due	Nov 30
10) Construction award (Board)	Dec. 17
11) Reservoir drawdown	Dec. 18
12) Construction NTP	Dec. 21
13) Construction	Dec 2015 - March 2016
14) Acceptance	April 1, 2016
15) Return to service	April 2, 2016

Sincerely,



Lisa Ohlund
General Manager

AMENDMENT NO. 4
TO AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES

THIS AMENDMENT is made and entered into on this ____ day of August, 2015 by and between East Orange County Water District, hereinafter referred to as "Client," and Carollo Engineers, Inc., a Delaware corporation, hereinafter referred to as "Consultant."

RECITALS:

WHEREAS, Client entered into an agreement for Professional Engineering Services ("Agreement") on September 24, 2014.

WHEREAS, Client desires to amend said Agreement to add additional services;

NOW, THEREFORE, Client and Consultant agree as follows:

I. SCOPE OF CONSULTANT SERVICES

Services to be provided shall be as shown in the attached proposals dated August 12, 2015 entitled "Proposal for Peters Canyon Reservoir Roof Rehabilitation Design" (Exhibit A).

II. AUTHORIZATION AND COMPLETION

In signing this Amendment, Client grants Consultant specific authorization to proceed with the requested work.

III. COMPENSATION

Client agrees to pay, and Consultant agrees to accept the not-to-exceed sum of an additional \$63,772 amendment to the contract. Time charges shall be in accordance with the rates included in the proposal entitled, "East Orange County Water District Peters Canyon WTP Feasibility and Master Plans Update Project, Condition Assessment for Peters Canyon and Vista Panorama Reservoirs Refined Scope of Work." Compensation shall be billed monthly in summary form. Payment to Consultant is due upon presentation of invoice to Client. The adjusted maximum contract amount, inclusive of this amendment, is \$610,451.

IV. SEVERABILITY

If any part of this Agreement is found unenforceable under applicable laws, such part shall be inoperative, null, and void insofar as it conflicts with said laws, but the remainder of this Agreement shall be in full force and effect.

V. AUTHORIZATION

The persons executing this Agreement on behalf of the parties hereto represent and warrant that the parties have all legal authority and authorization necessary to enter into this Agreement, and that such persons have been duly authorized to execute this Agreement on their behalf.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date first above written.

CAROLLO ENGINEERING

EAST ORANGE COUNTY
WATER DISTRICT

Signature: _____

Signature: _____

Printed Name: Graham Juby

Printed Name: Lisa Ohlund

Title: Vice President

Title: General Manager

Federal Tax ID number:

Original Contract Amount	\$493,656.00
Maximum Fee – Amendment #s 1,2 & 3	\$ 53,023.00
Contract Maximum Fee (prior to this amendment):	\$543,449.00
Maximum Fee this Amendment:	\$ 63,772.00
Revised Contract Maximum Fee (including this amendment):	\$610,451.00
Revised Contract Completion Date (if necessary):	NA

MEMO

TO: BOARD OF DIRECTORS
FROM: GENERAL MANAGER
SUBJECT: AMENDMENT #3 TO PUBLIC OUTREACH ASSISTANCE CONTRACT WITH COMMUNICATIONS LAB
DATE: SEPTEMBER 17, 2015

BACKGROUND

At the July 17, 2014 Meeting, the Board authorized the retention of Communications Lab (CL) to augment and assist with ongoing public outreach, particularly those associated with the transfer of the sewers from OCSD to EOCWD; the initial contract provided a \$20,000 authorization. At that time, staff noted that the increasing workload of engineering studies and projects, as well as organizational changes and unanticipated workloads such as the drought and its related financial impacts, would be ongoing for some time. At the December 18, 2014 Meeting, Amendment #1 in the amount of \$35,000 was approved, extending CL's sewer transfer related services. Through CL's services, the District has built strong relationships in the East County area, particularly with affected stakeholders such as the City of Orange and the Foothill Communities Association.

At the April 16, 2015 Meeting, the Board approved Amendment #2 with CL for drought outreach related services at a cost of \$30,000. These services have been critical to the District's successful (so far) achievement of our mandated 36% reduction. In addition to direct outreach to our customers through five workshops, mailers, educational videos and attending regional public affairs meetings on our behalf, CL also revamped our website, making it clearer and more intuitive, as well as better organizing drought/conservation information.

We have reached the end of the authorizations for both the sewer and drought related outreach. Communications Lab has provided excellent service to the District in all areas and staff recommends continuing these services; at their September 3rd Meeting, the Ad-Hoc Consolidation Committee supported this recommendation.

Attached to this memorandum are two proposals: A \$35,000 proposal for ongoing sewer transfer outreach support services and a \$16,000 for continuing drought outreach related services for a total of \$51,000. We anticipate that the sewer transfer issue will be resolved by November or December. The drought outreach services are also winding down, however there is need for continued outreach as "drought fatigue" may set in; another dry winter could also necessitate intensifying conservation efforts. Also attached is proposed Amendment #3.

Financial Impacts

As noted, the initial authorization plus Amendments 1 & 2 total \$85,000. Amendment #3 totals \$51,000 (\$35,000 for sewer outreach and \$16,000 for drought outreach). Funding for these services is available from Account Numbers 5268-10 (\$20,000), 5250-10 (\$5,000), 5260-10 (\$10,000) and 5250-20 (\$16,000).

RECOMMENDATION

The Board approve Amendment 3 to the contract with Communications LAB in an amount not-to-exceed \$51,000 for the provision of designated community outreach services.



Drought Outreach Extension

Community Outreach:

Due to the Governor's order for mandatory water restrictions that is particularly punitive to East Orange County Water District (EOCWD) customers, it is incumbent upon EOCWD to continue in its community outreach and public education campaign among its 1,200 retain customers emphasizing the importance of water use efficiency.

Many of the outreach methods and tactics have been implemented, but it is essential for this outreach effort to continue through the dog days of summer and into the fall months in order to have a long-term impact on behavior change when it comes to water use efficiency.

We will continue in our efforts in several of the key areas of outreach including:

- Electronic Outreach through the website and Facebook page
- Additional direct mail brochures for updates on the customers' water use efficiency goals
- Media Relations efforts including pitching of stories, proactive op-ed articles and strategic communications consulting for response to media as needed.
- Strategic communications consulting with General Manager and Board of Directors on water issues affecting EOCWD retail and wholesale customers.

Our rates will remain unchanged from our original contract with the agency.

We anticipate a reduced outreach effort later in the fall, particularly if the rainy season begins. Due to the sensitivity we have for East Orange County Water District's resources as a fiscally conservative public agency with limited resources, we propose limiting our maximum monthly fees as follows:

Month	Not to Exceed
September 2015	\$5,000
October 2015	\$5,000
November 2015	\$3,000
December 2015	\$3,000



East Orange Water District LAFCO Outreach Extension

Executive Summary:

Communications LAB has been working with East Orange County Water District (EOCWD) for the past year to support the District's application before LAFCO to obtain the sewers in Area #7 as part of a transfer agreement from the Orange County Sanitation District (OCSD). In an effort to achieve the District's goal of completing the transfer agreement, Communications LAB would like to continue providing outreach services to support EOCWD with its application before LAFCO.

The key tactics we propose includes:

- **Government Affairs** to coordinate with elected officials and staff
- **Community Outreach Management** with Sewer Area #7 customers
- **Strategic Partnerships** with community allies to enhance EOCWD's position
- **Website** update to include information about water restrictions and water use efficiency tips.
- **Social Media** development and management. Budget Facebook advertising for EOCWD service territory customers not to exceed \$500 per month.
- **Speakers Bureau** for local service clubs as well as industry presentations.
- **Media Relations** to assist with the education of reporters and editorial board staff. Draft op-ed articles for board submittal and monitor media and blogs.
- **Video Production** as needed for public meetings or testimonials
- **Fact Sheets / FAQ** developed for key stakeholders.

Efficient Service and Quality Staffing

Communications LAB is dedicated to providing EOCWD with an outreach plan that is both effective and efficient. As you may know, our firm has provided EOCWD services at an hourly rate that offers a discount from our already low public agency rate. We propose to continue providing communications consulting services at the same low rate we proposed last year. We consistently provide effective and quality service and have come in under budget each month. We are committed to continued service to the District at a low rate that does not burden the District with permanent staffing, pensions or any benefit obligations.

Brian Lochrie, President of Communications LAB, will continue to serve as the strategic advisor and will coordinate directly with the staff and board on all issues related to the

strategic communications plan. Senior Account Manager David Cordero will provide day-to-day project management service and execution of the work plan. Cordero brings 16 years of experience in public affairs including more than a decade as the Government Affairs Director of the Municipal Water District of Orange County. He brings with him relationships that are unparalleled in the water community.

Other key staff members that may be involved in the effort include our Creative Director and Graphic Designer Mike Schnell, our Web Designer Arianna Barrios, our Social Media Director Francisco Barajas and Account Coordinator who will assist the team in administration of the contract Ana Rodriguez.

Budget

We recommend a six-month “not-to-exceed” budget of \$35,000, which would average \$6,000 per month. The proposed extension would begin September 1, 2015 and conclude on January 31, 2016. Should the LAFCO Board make its determination prior to the conclusion of the contract, any unspent money in the contract would revert to EOCWD.

Total six-month budget (Professional Fees / Expenses)	\$35,000
--	-----------------

AMENDMENT NO. 3
TO AGREEMENT FOR
PROFESSIONAL OUTREACH AND COMMUNICATIONS SERVICES

THIS AMENDMENT is made and entered into on this ____ day of September, 2015 by and between East Orange County Water District, hereinafter referred to as "Client," and CommunicationsLAB a California corporation, hereinafter referred to as "Consultant."

RECITALS:

WHEREAS, Client entered into an agreement for Professional Outreach Assistance ("Agreement") on July 17, 2014.

WHEREAS, Client desires to amend said Agreement to add additional communications and outreach services related to the proposed Sewer Transfer and the 2015 Drought Executive Order and Level 2 Conservation Program;

NOW, THEREFORE, Client and Consultant agree as follows:

I. SCOPE OF CONSULTANT SERVICES

Services to be provided shall be from among those shown in the attached letter proposals (LAFCO Outreach Extension and Drought Outreach Extension) dated August 12, 2015 (Exhibit A).

II. AUTHORIZATION AND COMPLETION

In signing this Amendment, Client grants Consultant specific authorization to proceed with the requested work.

III. COMPENSATION

For the requested Services, Client agrees to pay, and Consultant agrees to accept the not-to-exceed sum of \$51,000. Client shall determine the scope of services and level of effort from among the list of options contained in the August 12, 2015 proposal and/or other services as may be defined and approved by the General Manager. Compensation shall be billed monthly in summary form. Payment to Consultant is due upon presentation of invoice to Client.

IV. SEVERABILITY

If any part of this Agreement is found unenforceable under applicable laws, such part shall be inoperative, null, and void insofar as it conflicts with said laws, but the remainder of this Agreement shall be in full force and effect.

V. AUTHORIZATION

The persons executing this Agreement on behalf of the parties hereto represent and warrant that the parties have all legal authority and authorization necessary to enter into this Agreement, and that such persons have been duly authorized to execute this Agreement on their behalf.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date first above written.

COMMUNICATIONSLAB

EAST ORANGE COUNTY
WATER DISTRICT

Signature: _____

Signature: _____

Printed Name: _____

Printed Name: Lisa Ohlund

Title: _____

Title: General Manager



MEMO

TO: BOARD OF DIRECTORS
FROM: GENERAL MANAGER
SUBJECT: URBAN WATER MANAGEMENT PLAN (UWMP) UPDATE – PROPOSAL TO PARTICIPATE IN MWDOC JOINT COST SHARING PROGRAM
DATE: SEPTEMBER 17, 2015

Background

The California Water Code 10644(a) requires water suppliers (including wholesalers), either publicly or privately owned, that provide water for municipal purposes to submit an updated Urban Water Management Plan (UWMP) with the Department of Water Resources at least once every five years; the next update is due to be submitted by June, 2016.

Because all of the MWDOC member agencies must prepare an update, and because most of the water supply information (which comprises a large portion of the report) is the same for all agencies, MWDOC staff prepared a joint Request for Proposal for this work and solicited proposals; after review and evaluation of the proposals by a panel of member agency representatives and MWDOC staff, the engineering firm of Arcadis was selected to prepare the updated UWMP – Arcadis also prepared the 2010 Plan.

Currently, 24 agencies are proposing to participate in this project. A proposed cost-sharing contract, including a schedule showing the costs for each agency is attached to this memo. A base price was arrived at for each agency according to their sources of supply (Note: EOCWD was charged an extra \$1,746 in order to cover both the Wholesale and Retail Zones – which are effectively two stand alone UWMPs). A list of ten “Contingency Items” was developed from which agencies could choose or not choose to participate in.

For the District, MWDOC has estimated that our UWMP will cost \$24,186 to develop; this is a reduction from the 2010 cost of \$30,000.

In order to participate, MWDOC has asked that each District approve the attached Memorandum of Understanding. The MOU requires that each agency deposit the total funding with MWDOC up front.

Financial Impacts

Funding for this effort is contained in the FY 2015/2016 Capital Improvement Budget, Account Number 7020-10.

Recommendation

- 1) Approve the Joint Cost Sharing Memorandum of Understanding with MWDOC for the preparation of the 2015 Urban Water Management Plan Update.
- 2) Allocate \$24,186 for this effort and authorize the transmittal of this funding in its entirety to MWDOC by September 30, 2015

AGREEMENT FOR SHARING CONSULTANT COSTS
FOR 2015 URBAN WATER MANAGEMENT PLANS

THIS AGREEMENT is made and entered into as of _____ 2015, by
and between:

1. MWDOC
2. City of Buena Park
3. City of Fullerton
4. City of Garden Grove
5. City of La Palma
6. City of Orange
7. City of Seal Beach
8. City of Tustin
9. City of Westminster
10. Yorba Linda Water District
11. East Orange County Water District
12. City of Anaheim
13. City of Fountain Valley
14. City of Newport Beach
15. City of Santa Ana
16. City of Huntington Beach
17. Mesa Water District
18. City of San Clemente
19. El Toro Water District
20. South Coast Water District
21. City of San Juan Capistrano
22. Trabuco Canyon Water District
23. City of Brea
24. City of La Habra

(collectively "Participating Agencies" and individually "Participating Agency") and the Municipal Water District of Orange County ("MWDOC"). The Participating Agencies and MWDOC are also collectively referred to as "Parties."

RECITALS

WHEREAS, under California Water Code section 10621, subdivision (a), the Participating Agencies are required to update their respective Urban Water Management Plan ("UWMP") at least once every five years; and

WHEREAS, the 2015 UWMP's shall be updated and submitted to the California Department of Water Resources (DWR) by July 1, 2016; and

WHEREAS, each Participating Agency has the responsibility to prepare a separate 2015 UWMP for submission by July 1, 2016; and

WHEREAS, the Participating Agencies share many water supply characteristics, including water sources, regional water management agencies, location, climate history, and demographics; and

WHEREAS, pursuant to California Water Code section 10620, subdivision (d)(2), the Participating Agencies wish to coordinate the preparation of their 2015 UWMPs in the interest of reducing preparation costs; and

WHEREAS, the Participating Agencies and MWDOC desire to cooperate with each other to obtain economies of scale and thereby reduce preparation costs for each of the Participating Agencies; and

WHEREAS, MWDOC and the Participating Agencies have jointly prepared and agreed to a Scope of Work that was incorporated into a Request for Proposals that was sent to a number of competent Consulting Firms, two of which submitted proposals which were reviewed by a working group of MWDOC and several representatives from the Participating Agencies who recommended selection of Arcadis ("Arcadis" or "Consultant") as the successful consultant to prepare Urban Water Management Plans for the Participating Agencies; and

WHEREAS, MWDOC and its staff are willing to coordinate this process, including the preparation and administration of a professional services agreement with the selected consultant; and the administration of the cost sharing provisions of this Agreement;

NOW, THEREFORE, in consideration of the payment of money as set forth below and the mutual promises of the Parties hereto, it is agreed:

1. Engagement of Consultant and Administration of Consultant Agreement

MWDOC shall award a professional services agreement for the work identified in the Request for Proposals to Arcadis ("Consultant Agreement"). MWDOC shall use its standard professional services agreement form for the Consultant Agreement and require appropriate types and limits of insurance coverage. Each CGL policy shall identify MWDOC, the Participating Agencies, and their directors, officers, agents, employees, attorneys, consultants and volunteers as additional insureds, or be endorsed to identify these parties as additional insureds using a form acceptable to MWDOC. The Consultant Agreement will require the consultant's insurer(s) to waive all rights of subrogation against MWDOC, the Participating Agencies, and their directors, officers, agents, employees, attorneys, consultants and volunteers. The Consultant Agreement will require consultant to ensure that its sub-consultants, if any, provide similar insurance coverage.

- 1.2 MWDOC shall coordinate all aspects of the proposed work with the selected contractor and communicate with each Participating Agency, regularly and upon request of the Participating Agency, regarding the status and substance of its 2015 UWMP;
- 1.3 MWDOC shall make payments to the Consultant for progress payments as work proceeds. MWDOC shall withhold 10% of each progress payment to Consultant in a retention fund until such time as every Participating Agency has notified MWDOC that it is satisfied with the final UWMP prepared for it by Consultant.
- 1.4 Each Participating Agency shall provide all documents, information and assistance requested by the selected contractor during the performance of the Consultant Agreement.

2. Cost Sharing by Participating Agencies.

2.1 MWDOC shall:

- 2.1.1 Collect from each Participating Agency upon execution of this Agreement the full amount of the portion of the total cost allocated to that Participating Agency in the selected contractor's proposal, as attached in Exhibit A;
- 2.1.2 Inform each Participating Agency of any proposed extra work under the Consultant Agreement that relates to preparation of that Participating Agency's 2015 UWMP and that would result in an increase in that Participating Agency's payment under this Agreement. MWDOC and the affected Participating Agency must both approve such extra work before MWDOC will notify Consultant to proceed with the work.
- 2.1.3 Be responsible for making progress payments directly to Consultant from funds paid to MWDOC by Participating Agencies (see section 1.3).
- 2.1.4 Prepare a final accounting and either distribute any remaining funds collected from the Participating Agencies back to the Participating Agencies or issue a final bill to Participating Agencies where there are funds due.

2.2 Each Participating Agency shall:

- 2.2.1 Pay to MWDOC upon execution of this Agreement the full amount of the portion of the total cost allocated to that Participating Agency in the selected contractor's proposal, as attached in Attachment A;

2.2.2 Pay to MWDOC, upon approval of any extra work under the Consultant Agreement that relates to preparation of its 2015 UWMP, the full amount owed for the approved work. Each Participating Agency shall bear all costs associated with extra work it approves.

3. Accounting

Upon request of any Participating Agency, MWDOC will provide copies of the selected Consultant's invoices and MWDOC's payment records.

4. Independent Contractor

Any consultant engaged by MWDOC on behalf of the Participating Agencies as contemplated in this Agreement will not be a party to this Agreement and will not be an employee or agent of MWDOC or any of the Participating Agencies, either as a result of this Agreement or as a result of a professional services agreement between MWDOC and the consultant. Any consultant engaged as contemplated in this Agreement will be an independent contractor to MWDOC.

5. Warranty and Indemnification

MWDOC shall use its best efforts in administering the Consultant Agreement, but makes no representations, guarantees or warranties to the Participating Agencies as to the quality or timeliness of work product provided by the selected contractor pursuant to the Consultant Agreement. The Participating Agencies, and each of them, shall indemnify MWDOC, its directors, officers, employees and agents against, and will hold and save them harmless from, any and all actions, claims, penalties, obligations or liabilities, in law or in equity, of every kind or nature whatsoever, that may be asserted or claimed by any person, firm, entity, corporation, political subdivision or other organization arising out of or in any manner directly or indirectly connected with the 2015 UWMPs prepared pursuant to the Consultant Agreement. As between the Participating Agencies, any costs associated with the indemnity and defense obligations set forth in the previous two sentences shall be the financial responsibility of each Participating Agency based on the same pro rata basis as the allocation of costs set forth in Section 2.1.1 herein and Exhibit A hereto. In the event MWDOC, its directors, officers, employees and agents are made a party to any action or proceeding filed in connection with a challenge to any 2015 UWMP prepared pursuant to the Consultant Agreement, the Participating Agency whose 2015 UWMP is challenged shall provide a complete defense to MWDOC, its directors, officers, employees and agents and shall reimburse MWDOC for all costs and expenses incurred as a result of the action or proceeding, including reasonable attorney's fees.

6. Notice

Any notice or communication required to be given under this Agreement shall be in writing and effective when deposited, first class postage prepaid, with the United States Postal Service addressed to the contracting Parties as follows:

Notices to Parties	
If to:	
1. MWDOC	Robert J. Hunter, General Manager Municipal Water District of Orange County 18700 Ward St. P.O. Box 20895 Fountain Valley, CA 92728
2. City of Buena Park	James B. Vanderpool, City Manager City of Buena Park 6650 Beach Blvd. Buena Park, CA 90622
3. City of Fullerton	David Schickling, Deputy Director of Public Works City of Fullerton 303 W. Commonwealth Avenue Fullerton, CA 92832-1775
4. City of Garden Grove	Scott Stiles, City Manager City of Garden Grove P.O. Box 3070 Garden Grove, CA 92842
5. City of La Palma	Ellen Volmert, City Manager City of La Palma 7822 Walker Street La Palma, CA 90623
6. City of Orange	John Sibley, City Manager City of Orange P.O. Box 449 Orange, CA 92866
7. City of Seal Beach	Jill R. Ingram, City Manager City of Seal Beach 211 8 th Street Seal Beach, CA 90740
8. City of Tustin	Jeffrey Parker, City Manager City of Tustin 300 Centennial Way Tustin, CA 92780
9. Yorba Linda Water District	Marc Marcantonio, General Manager Yorba Linda Water District 1717 E. Miraloma Placentia, CA 92870

Cost Sharing Agreement for 2015 UWMP – Final 7-29-15

10. City of Westminster	Eddie Manfro, City Manager City of Westminster 8200 Westminster Blvd. Westminster, CA 92683
11. East Orange County Water District	Lisa Ohlund, General Manager East Orange County Water District 185 N. McPherson Rd. Orange, CA 92869
12. City of Anaheim	Paul Emery, City Manager City of Anaheim City Hall East, 200 S. Anaheim Blvd. Anaheim, CA 92805
13. City of Fountain Valley	Bob Hall, City Manager City of Fountain Valley 10200 Slater Avenue Fountain Valley, CA 92708
14. City of Newport Beach	Dave Kiff, City Manager City of Newport Beach P.O. Box 1768 Newport Beach, CA 92663
15. City of Santa Ana	David Cavazos, City Manager City of Santa Ana P.O. Box 1988, M-24 Santa Ana, CA 92702
16. City of Huntington Beach	Brian Ragland, Utilities Manager City of Huntington Beach 19001 Huntington Street Huntington Beach, CA 92648-2211
17. Mesa Water District	Paul Shoenberger, General Manager Mesa Water District 1965 Placentia Avenue Costa Mesa, CA 92627-3420
18. City of San Clemente	James Makshanoff, City Manager City of San Clemente 100 Avenida Presidio San Clemente, CA 92672
19. El Toro Water District	Robert Hill, General Manager El Toro Water District P.O. Box 4000 Laguna Hills, CA 92654

20. South Coast Water District	Andrew Brunhart, General Manager South Coast Water District 31592 West Street Laguna Beach, CA 92651
21. City of San Juan Capistrano	Karen Brust, City Manager City of San Juan Capistrano 32400 Paseo Adelanto San Juan Capistrano, CA 92675
22. Trabuco Canyon Water District	Hector Ruiz, General Manager Trabuco Canyon Water District 32003 Dove Canyon Drive Trabuco Canyon, CA 92679
23. City of Brea	Bill Gallardo, City Manager City of Brea 1 Civic Center Circle Brea, CA 92821
24. City of La Habra	Jim Sadro, City Manager City of La Habra P.O. Box 337 La Habra, CA 90633-0337

7. Jurisdiction and Venue

In all matters concerning the validity, interpretation, performance, or effect of this Agreement, the laws of the State of California shall govern and be applicable. The Parties hereby agree and consent to the exclusive jurisdiction of the courts of the State of California and that venue of any action brought hereunder shall be in Orange County, California.

8. Counterparts and Facsimile

This Agreement may be executed by the Parties in counterparts, which counterparts shall be construed together and have the same effect as if all the Parties had executed the same instrument. Counterpart signatures may be transmitted by facsimile, email, or other electronic means and have the same force and effect as if they were original signatures. All parties have participated in the drafting of this Agreement.

9. Severability

If any provision of this Agreement shall be held illegal, invalid, or unenforceable, in whole or in part, the legality, validity, and enforceability of the remaining provisions shall not be affected thereby.

10. Entire Agreement

This Agreement contains the entire agreement of the Parties relating to the subject matter hereof; and the Parties have made no agreements, representations, or warranties, either written or oral, relating to the subject matter hereof that are not set forth herein. Except as provided herein, this Agreement may not be modified or altered without prior written approval from both parties.

IN WITNESS WHEREOF, the Parties have hereunto affixed their names as of the day and year thereafter written, which shall be and is the effective date of This Agreement.

Execution of Agreement by Parties	
1. MWDOC	<p>Date _____</p> <p>By: _____ Robert J. Hunter, General Manager Municipal Water District of Orange County</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____ Joseph Byrne General Counsel</p>
2. City of Buena Park	<p>Date _____</p> <p>By: _____ James B. Vanderpool, City Manager City of Buena Park</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____ City Attorney</p>
3. City of Fullerton	<p>Date _____</p> <p>By: _____ David Schickling, Deputy Director of Public Works City of Fullerton</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____ City Attorney</p>

Cost Sharing Agreement for 2015 UWMP – Final 7-29-15

4. City of Garden Grove	<p>Date _____</p> <p>By: _____ Scott Stiles, City Manager City of Garden Grove</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____ City Attorney</p>
5. City of Huntington Beach	<p>Date _____</p> <p>By: _____ Fred Wilson, City Manager City of Huntington Beach</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____ Michael Gates City Attorney</p>
6. City of La Palma	<p>Date _____</p> <p>By: _____ Ellen Volmert, City Manager City of La Palma</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____ City Attorney</p>

7. City of Orange	<p>Date _____</p> <p>By: _____ John Sibley, City Manager City of Orange</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____</p> <p>Dave DeBerry City Attorney</p>
8. City of Westminster	<p>Date _____</p> <p>By: _____ Eddie Manfro, City Manager City of Westminster</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____</p> <p>Richard Jones City Attorney</p>
9. City of Seal Beach	<p>Date _____</p> <p>By: _____ Jill R. Ingram, City Manager City of Seal Beach</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____</p> <p>City Attorney</p>

10. City of Tustin	<p>Date _____</p> <p>By: _____ Jeffrey Parker, City Manager City of Tustin</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____ City Attorney</p>
11. City of Anaheim	<p>Date _____</p> <p>By: _____ Paul Emery, City Manager City of Anaheim</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____ Daniel A. Ballin, Deputy City Attorney</p>
12. Yorba Linda Water District	<p>Date _____</p> <p>By: _____ Marc Marcantonio, General Manager Yorba Linda Water District</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____ General Counsel Arthur Kidman</p>

Cost Sharing Agreement for 2015 UWMP – Final 7-29-15

<p>13. East Orange County Water District</p>	<p>Date _____</p> <p>By: _____ Lisa Ohlund, General Manager East Orange County Water District</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____ General Counsel Joan Arneson</p>
<p>14. City of Fountain Valley</p>	<p>Date _____</p> <p>By: _____ Bob Hall, City Manager City of Fountain Valley</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____ City Attorney</p>
<p>15. City of Newport Beach</p>	<p>Date _____</p> <p>By: _____ Dave Kiff, City Manager City of Newport Beach</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____ City Attorney</p>

Cost Sharing Agreement for 2015 UWMP – Final 7-29-15

16. City of Santa Ana	<p>Date _____</p> <p>By: _____ David Cavazos, City Manager City of Santa Ana</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____ City Attorney</p>
17. Mesa Water District	<p>Date _____</p> <p>By: _____ Paul Shoenberger, General Manager Mesa Water District</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____ Robert Anslow General Counsel</p>
18. City of San Clemente	<p>Date _____</p> <p>By: _____ James Makshanoff, City Manager City of San Clemente</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____ City Attorney</p>

Cost Sharing Agreement for 2015 UWMP – Final 7-29-15

<p>19. El Toro Water District</p>	<p>Date _____</p> <p>By: _____ Robert Hill, General Manager El Toro Water District</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____ Gil Granito General Counsel</p>
<p>20. South Coast Water District</p>	<p>Date _____</p> <p>By: _____ Andrew Brunhart, General Manager South Coast Water District</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____ Art Kidman General Counsel</p>
<p>21. City of San Juan Capistrano</p>	<p>Date _____</p> <p>By: _____ Karen Brust, City Manager City of San Juan Capistrano</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____ City Attorney</p>

Cost Sharing Agreement for 2015 UWMP – Final 7-29-15

22. City of Brea	<p>Date _____</p> <p>By: _____ Bill Gallardo, City Manager City of Brea</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____</p> <p>City Attorney</p>
23. City of La Habra	<p>Date _____</p> <p>By: _____ Jim Sadro, City Manager City of La Habra</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____</p> <p>City Attorney</p>
24. Trabuco Canyon Water District	<p>Date _____</p> <p>By: _____ Hector Ruiz, General Manager Trabuco Canyon Water District</p> <p>Approved as to Form:</p> <p>Date _____</p> <p>By: _____ Bowie, Arneson, Wiles and Giannone General Counsel</p>

Cost Sharing Agreement for 2015 UWMP – Final 8-31-15

Attachment A													
List of Potentially Interested MWDOC Agencies													
For Development of Urban Water Management Plans for 2015													
	Budget Groupings of Agencies	Base Price	Itemized Time and Materials Cost Allowance (Contingency Items)										
			Printing costs for additional copies (\$50/per copy)	Additional Coordination costs due to limited staff & complicated arrangements	Additional work for those not a CUWCC reporting agency	Additional time to complete Revenue Shortage Impact Section	Additional time to prepare and implement a "Communication Plan"	Additional time to process changes from MFT or other sources on the data tables	Attendance at Agency Management/Board/Council Meetings (\$1,000/per mtg - assume 3 mtgs)	Reporting of Water Loss Control for agencies who have not completed a top down audit	Agencies who request assistance in revising their Water Shortage Contingency Plan	Agencies who might want assistance in assessing their current demand projection model or methodology	Total With All Contingencies
MWDOC													
1	MWDOC	\$26,410	\$ 900	\$0	\$0	\$0	\$0	\$1,200	\$3,000	\$0	\$0	\$0	\$31,510
OCWD Groundwater Agencies													
2	City of Buena Park	\$18,240	\$ 900	\$3,310	\$3,000	\$1,800	\$3,920	\$1,200	\$3,000	\$2,260	\$1,500	\$5,440	\$44,570
3	City of Fullerton (not a part of MWDOC)	\$18,240		\$3,310	\$0	\$1,800		\$1,200	\$3,000				\$27,550
4	City of Garden Grove	\$18,240	\$ 900	\$3,310	\$0	\$1,800	\$3,920	\$1,200	\$3,000	\$2,260	\$1,500	\$5,440	\$41,570
5	City of La Palma	\$18,240	\$ 900	\$3,310	\$3,000	\$1,800	\$3,920	\$1,200	\$3,000	\$2,260	\$1,500	\$5,440	\$44,570
6	City of Orange	\$18,240	\$ -	\$3,310	\$0	\$1,800	\$3,920	\$1,200	\$3,000	\$2,260	\$1,500	\$5,440	\$40,670
7	City of Seal Beach	\$18,240	\$ 900	\$3,310	\$0			\$1,200		\$2,260			\$25,910
8	City of Tustin	\$18,240	\$ 900	\$3,310	\$3,000	\$1,800	\$3,920	\$1,200	\$3,000	\$2,260	\$1,500	\$5,440	\$44,570
9	Yorba Linda Water District	\$18,240	\$ 900	\$3,310	\$3,000	\$1,800		\$1,200	\$3,000	\$2,260	\$1,500	\$5,440	\$40,650
10	City of Westminster	\$18,240	\$ 900	\$3,310	\$3,000	\$1,800	\$3,920	\$1,200	\$3,000	\$2,260	\$1,500	\$5,440	\$44,570
11	East Orange County Water District (1)	\$19,986	\$ -	\$0	\$0	\$0	\$0	\$1,200	\$3,000	\$0	\$0	\$0	\$24,186
OCWD Groundwater Agencies with Recycled Water													
12	City of Anaheim (not part of MWDOC)	\$19,040	\$ 900	\$3,310	\$0	\$1,800		\$1,200	\$3,000	\$2,260	\$1,500	\$5,440	\$38,450
13	City of Fountain Valley	\$19,040	\$ 900	\$3,310	\$0	\$1,800	\$3,920	\$1,200	\$3,000	\$2,260	\$1,500	\$5,440	\$42,370
14	City of Newport Beach	\$19,040		\$3,310	\$0			\$1,200		\$2,260		\$5,440	\$31,250
15	City of Santa Ana (not a part of MWDOC)	\$19,040	\$ -	\$3,310	\$3,000	\$1,800	\$0	\$1,200	\$0	\$2,260		\$5,440	\$36,050
16	Huntington Beach	\$18,240	\$ 900	\$3,310	\$0	\$1,800	\$3,920	\$1,200	\$3,000	\$2,260	\$1,500	\$5,440	\$41,570
17	Mesa Water	\$19,040	\$ -	\$3,310	\$0	\$1,800	\$0	\$1,200	\$3,000	\$0	\$0	\$0	\$28,350
South County Agencies with Recycled Water													
18	City of San Clemente	\$17,890	\$ 900		\$0	\$1,800	\$3,920	\$1,200		\$2,260	\$1,500	\$5,440	\$34,910
19	El Toro Water District	\$17,890	\$ 900	\$3,310	\$0	\$1,800	\$3,920	\$1,200	\$3,000	\$2,260	\$1,500	\$5,440	\$41,220
20	South Coast Water District	\$17,890	\$ 900	\$3,310	\$3,000	\$1,800	\$3,920	\$1,200	\$3,000	\$2,260	\$1,500	\$5,440	\$44,220
21	City of San Juan Capistrano	\$17,890	\$ 900	\$3,310	\$0	\$1,800		\$1,200	\$3,000	\$2,260			\$30,360
22	Trabuco Canyon Water District	\$17,890	\$ 900	\$3,310	\$0	\$1,800	\$3,920	\$1,200	\$3,000	\$2,260	\$1,500	\$5,440	\$41,220
Non-OCWD Groundwater Agencies													
23	City of Brea	\$18,990	\$ 900	\$3,310	\$3,000	\$1,800	\$3,920	\$1,200	\$3,000	\$2,260	\$1,500	\$5,440	\$45,320
24	City of La Habra	\$18,990	\$ 900		\$3,000	\$1,800		\$1,200	\$3,000	\$2,260	\$1,500		\$32,650
South County Agencies without Recycled Water													
Total for All Agencies													
	Total	\$451,426	\$16,200	\$66,200	\$27,000	\$36,000	\$50,960	\$28,800	\$60,000	\$45,200	\$24,000	\$92,480	\$898,266
(1) EOCWD = Wholesale & Retail Plans under one													



MEMO

TO: BOARD OF DIRECTORS
FROM: GENERAL MANAGER
SUBJECT: 2015/16 SEVERE WEATHER OUTLOOK – FACILITIES ASSESSMENT
DATE: SEPTEMBER 17, 2015

Background

The El Nino/Southern Oscillation (ENSO) appears to be building in the tropical eastern Pacific Ocean area. This periodic ocean warming and surface air pressure oscillation system has been responsible for past periods of intense rainfall in California. In view of this, staff undertook an assessment of district facilities to determine if there are areas that need to be “hardened” in order to prevent and/or limit damage. The following brief report summarizes the results of staff’s assessment:

- Peter’s Canyon (6MG) Reservoir: This site is being thoroughly studied by Carollo Engineers and staff to address drainage issues. Plans are being made to install additional catch basins on the west side of the reservoir to prevent ponding. Additional curbing will also be installed along the northwest side of the reservoir to prevent runoff from flowing over the edge of the slope. Crack sealing of the asphalt will also be performed as needed. Staff will be preparing a storm mitigation plan that will be implemented prior to the storm season which will include regular practice of clearing drains and gutters on and around the reservoir as well as installing sand bags at key locations around the site to harden it against significant storm flows. This work is expected to be completed by mid-October.
- Andres (11.5 MG) Reservoir: Staff has identified the need to clear drainage ditches around the site as well as crack seal asphalt on the access road around the reservoir. This work will be completed by the end of September.
- Newport (1 MG) Reservoir: Staff has identified the need to clear the drainage ditch behind the reservoir. Significant work was done earlier this year to clear the easement behind the reservoir to enable access through the pipeline easement. This work will be completed by the end of September.
- Barrett Reservoir: Staff has identified the need to improve the drainage around the vaults to prevent water intrusion during heavy storm flows. This will be accomplished by core drilling the existing catch basin next to the reservoir and installing aggregate around it to provide a path for the water to flow. Staff will also be installing sump pumps in the vaults to pump out water that may infiltrate the vaults. The slope behind the reservoir will also be evaluated to address possible erosion issues. This work will be completed by mid-October.
- Vista Panorama Reservoir: Staff has identified the need to improve drainage around the pump station to prevent water ponding near the pumps. Some minor grading work will need to be done to accomplish this task. Erosion of the fence line will also be addressed using stackable blocks. This work will be completed by October.

-
- Vista Panorama Sidehill Booster Station: Staff has identified the need to protect the pump station from erosion. Stackable blocks will be used to address this issue. This work will be completed by October.
 - Administrative and Maintenance Offices: Staff will inspect the office roof and apply sealant around flashing as needed. Office windows will also be sealed as needed.
 - East Well: Staff has identified the need to ensure drainage around the well is maintained in order to prevent surface water intrusion. This will be done by grading the dirt area of the yard so that water flows away from the well. Staff will also have a surplus of sandbags in stock to place around the well if necessary.
 - West Well: Drainage around this well is adequate.
 - District Vehicles: Staff has identified the need to replace one set of tires on the 2003 Ford F-250, and wiper blades on all vehicles except for the General Manager's.
 - Old Crawford Canyon / Newport Ave Pipeline Easement: In past storm events, this pipeline has been vulnerable to excessive erosion caused by storm runoff from adjacent properties. It was necessary for staff to go in and backfill the erosion gullies and place hundreds of sandbags over the pipeline to divert the water course. The County of Orange is aware of the issues we are having but will be addressing the drainage issues during development of a future park that the County has plans to build next to this easement. The District's Superintendent met with County Public Works staff and OC Parks staff on September 9th to discuss our concern that the storm drain issues cannot wait until development of the park. The County agreed to perform grading which would fill in any of the existing ruts in addition to constructing chevrons with sandbags to control the erosion. The County said that they would make this a one-time effort and that EOCWD would be responsible for protecting their own facilities after this work is done. This work is expected to be completed by the end of September.
 - View Ridge Drive: This is a dead-end street where the District has an 8" pipeline. At one point after the pipeline was installed, the homeowners at the end of the street got together and constructed a high block wall along the property line that parallels the waterline. The wall was not constructed properly and began leaning. The District has had concerns that the construction of the wall could impact the stability of the slope which the pipeline runs along. The District engaged in discussions with the neighbors to remedy the issue. As a result, 2/3 of the wall was removed, reducing the weight on the slope. Staff will continue to monitor this location as the drainage remains a problem.

Financial Impacts

Funding for the work at the Peters Canyon (6 MG) Reservoir is estimated to cost less than \$20,000 and is included in the Capital Improvement Budget; funds for other repair and maintenance work is included in the normal O&M Budget.

Recommendation

Information item, no action is necessary.

EAST ORANGE COUNTY WATER DISTRICT

DISBURSEMENT SUMMARY

September 17, 2015

WHOLESALE AND RETAIL BILLS	\$331,874.91
DIRECTOR'S PAYROLL	\$2,928.88
EMPLOYEE'S PAYROLL	\$43,074.03
DISBURSEMENT TOTAL	<u><u>\$377,877.82</u></u>

TRANSFER SUMMARY

TRANSFERS	\$ 365,000.00
TRANSFER TOTAL	<u><u>\$365,000.00</u></u>

NOTE: THE EXPLANATION OF FUNDS TRANSFERRED IS SHOWN ON THE FUNDS TRANSFERRED SHEET ATTACHED.

East Orange County Water District

Bills For Consideration

As of September 8, 2015

Type	Date	Num	Name	Credit
1001-10 · Checking-WZ				
Bill Pmt -Check	08/20/2015	10528	ARAMARK UNIFORM SERVICES	34.08
Bill Pmt -Check	08/20/2015	10529	AT&T	509.89
Bill Pmt -Check	08/20/2015	10530	CAROLLO ENGINEERING	70,146.59
Bill Pmt -Check	08/20/2015	10531	CUSI	750.00
Bill Pmt -Check	08/20/2015	10532	GRAINGER	95.88
Bill Pmt -Check	08/20/2015	10533	HACH COMPANY	282.10
Bill Pmt -Check	08/20/2015	10534	HD SUPPLY WATERWORKS, LTD	525.20
Bill Pmt -Check	08/20/2015	10535	HOME DEPOT CREDIT SERVICES	258.57
Bill Pmt -Check	08/20/2015	10536	MAIN GRAPHICS	912.25
Bill Pmt -Check	08/20/2015	10537	Martin Crowley	210.31
Bill Pmt -Check	08/20/2015	10538	RAFTELIS FINANCIAL CONSULTANTS	840.00
Bill Pmt -Check	08/20/2015	10539	SY EVERETT	691.20
Bill Pmt -Check	08/20/2015	10540	THE PUN GROUP	5,000.00
Bill Pmt -Check	08/20/2015	10541	TIM HOGAN	721.66
Bill Pmt -Check	08/20/2015	10542	TOTAL EXTERMINATING INC	275.00
Bill Pmt -Check	08/20/2015	10543	TRUESDAIL LABORATORIES, INC	395.50
Bill Pmt -Check	08/25/2015	10544	SWRCB FEES	600.00
Bill Pmt -Check	09/03/2015	10545	ALLCOM	195.00
Bill Pmt -Check	09/03/2015	10546	ALLEN TIRE COMPANY	633.04
Bill Pmt -Check	09/03/2015	10547	AT&T	788.22
Bill Pmt -Check	09/03/2015	10548	BOWIE ARNESON WILES & GIANNO...	3,272.50
Bill Pmt -Check	09/03/2015	10549	CA BANK & TRUST	4,207.25
Bill Pmt -Check	09/03/2015	10550	CASSANDRA GRAY	74.10
Bill Pmt -Check	09/03/2015	10551	CUSI	2,000.00
Bill Pmt -Check	09/03/2015	10552	GENERATOR SERVICES CO, INC	945.00
Bill Pmt -Check	09/03/2015	10553	GRAINGER	95.88
Bill Pmt -Check	09/03/2015	10554	ID MODELING, INC.	800.00
Bill Pmt -Check	09/03/2015	10555	J SEWART DESIGNS	40.00
Bill Pmt -Check	09/03/2015	10556	LEWIS CONSULTING GROUP	5,000.00
Bill Pmt -Check	09/03/2015	10557	NICOLE ARAYA	130.44
Bill Pmt -Check	09/03/2015	10558	REO ACCOUNTING, INC	261.35
Bill Pmt -Check	09/03/2015	10559	SOUTHERN CALIFORNIA EDISON	3,561.15
Bill Pmt -Check	09/03/2015	10560	TRUESDAIL LABORATORIES, INC	252.00
Bill Pmt -Check	09/03/2015	10561	WINWATER	255.70
Bill Pmt -Check	09/03/2015	10562	XEROX CORPORATION	64.16
Bill Pmt -Check	09/08/2015	10563	ACWA-JPIA (EMP INSURANCE)	10,624.52
Bill Pmt -Check	09/08/2015	10564	ACWA JPIA	18,809.00
Bill Pmt -Check	09/08/2015	10565	C WELLS PIPELINE MATERIALS INC	931.50
Bill Pmt -Check	09/08/2015	10566	HOME DEPOT CREDIT SERVICES	93.30
Bill Pmt -Check	09/08/2015	10567	MWDOC	196,220.87
Bill Pmt -Check	09/08/2015	10568	PARADISE DRINKING WATERS	49.80
Bill Pmt -Check	09/08/2015	10569	UNDERGROUND SERVICE ALERT	52.50
Bill Pmt -Check	09/08/2015	10570	VERIZON WIRELESS	269.40
Total 1001-10 · Checking-WZ				331,874.91
TOTAL				331,874.91

EAST ORANGE COUNTY WATER DISTRICT
CALIFORNIA BANK & TRUST
Prior Month's Checks To Ratify
DIRECTORS' PAYROLL*
17-Sep-15

**PAYMENT FOR BOARD AND COMMITTEE MEETINGS IN THE MONTH OF
AUGUST 2015**

DATE	CHECK NO	AMOUNT	PAYABLE TO
08/18/15	200	\$ (548.70)	BOARD DIRECTOR - VOID CHECK
08/18/15	201	\$ (663.00)	BOARD DIRECTOR - VOID CHECK
08/18/15	202	\$ (320.07)	BOARD DIRECTOR - VOID CHECK
08/18/15	203	\$1,240.67	BOARD DIRECTOR - PRESIDENT
08/31/15	204	\$388.66	BOARD DIRECTOR - (REPLACES VOIDED CHECK #200)
08/31/15	205	\$548.70	BOARD DIRECTOR - (REPLACES VOIDED CHECK #201)
08/31/15	206	\$160.04	BOARD DIRECTOR - (REPLACES VOIDED CHECK #202)
		<u>\$2,338.07</u>	TOTAL PAYROLL CHECKS

**PAYROLL TAXES, ADP CHARGE, AND PERS EFT
(PERS TRANSFERRED WITH EMPLOYEE PAYROLL)**

8/18/2015	\$198.46	ADP TAXES
8/18/2015	\$167.94	PERS ELECTRONIC FUNDS TRANSFER
8/31/2015	<u>\$224.41</u>	ADP TAXES
	<u>\$590.81</u>	TOTAL CHARGES & TRANSFER
		<u><u>\$2,928.88</u></u>
		GRAND TOTAL PAYROLL

*** NOTE: DOUG DAVERT DECLINES PAYMENT FOR ALL MEETINGS

*Note: Payroll is processed by ADP (Automatic Data Processing)

EAST ORANGE COUNTY WATER DISTRICT
CALIFORNIA BANK & TRUST
Prior Month's Checks To Ratify
EMPLOYEES' PAYROLL*
17-Sep-15

	CHECK DATE	CHECK AMOUNT	PAYABLE TO
AUTO DEPOSIT	8/5/2015	\$ 1,519.65	ADMINISTRATIVE ASSISTANT
AUTO DEPOSIT	8/5/2015	\$ 1,491.31	SUMMER INTERN
AUTO DEPOSIT	8/5/2015	\$ 1,694.40	WATER DISTRIBUTION I
AUTO DEPOSIT	8/5/2015	\$ 2,380.14	MAINTENANCE AND OPERATIONS SUPERINTENDENT
AUTO DEPOSIT	8/5/2015	\$ 1,890.54	GENERAL MANAGER
AUTO DEPOSIT	8/5/2015	\$ 1,725.82	WATER DISTRIBUTION II
AUTO DEPOSIT	8/5/2015	\$ 1,805.52	ADMINISTRATIVE ASSISTANT
AUTO DEPOSIT	8/19/2015	\$ 1,543.59	ADMINISTRATIVE ASSISTANT
AUTO DEPOSIT	8/19/2015	\$ 1,517.13	WATER DISTRIBUTION I
AUTO DEPOSIT	8/19/2015	\$ 2,131.57	MAINTENANCE AND OPERATIONS SUPERINTENDENT
AUTO DEPOSIT	8/19/2015	\$ 1,890.54	GENERAL MANAGER
AUTO DEPOSIT	8/19/2015	\$ 1,227.72	WATER DISTRIBUTION II
AUTO DEPOSIT	8/19/2015	\$ 1,713.10	ADMINISTRATIVE ASSISTANT
		<u>\$ 22,531.03</u>	TOTAL PAYROLL CHECKS

PAYROLL TAXES, ADP CHARGES, AND PERS EFT

8/5/2015	\$7,430.68	ADP TAXES
8/5/2015	\$1,673.13	PERS ELECTRONIC FUNDS TRANSFER
8/5/2015	\$520.66	PERS PEPRA MEMBER
8/5/2015	\$1,320.70	CAL PERS 457 - ING BANK
8/19/2015	\$6,091.06	ADP TAXES
8/19/2015	\$1,697.73	PERS ELECTRONIC FUNDS TRANSFER
8/19/2015	\$550.28	PERS PEPRA MEMBER
8/19/2015	\$1,258.76	CAL PERS 457 - ING BANK

PAYROLL 8/5/2015	PAYROLL 8/19/2015
\$12,507.38	\$10,023.65
\$10,945.17	\$9,597.83
\$23,452.55	\$19,621.48

<u>\$20,543.00</u>	TOTAL TRANSFERS
<u>\$43,074.03</u>	GRAND TOTAL PAYROLL

*Note: Payroll is processed by ADP (Automatic Data Processing)

EAST ORANGE COUNTY WATER DISTRICT
FUNDS TRANSFERRED BETWEEN ACCOUNTS
17-Sep-15

<u>DATE</u>	<u>TRANSFER NO</u>	<u>AMOUNT</u>	<u>FROM</u>	<u>TO</u>	<u>REASON FOR FUND TRANSFER</u>
8/21/2015	T54	\$ 75,000.00	CB&T MONEY MARKET	CHECKING	EXCESS FUNDS / BILLS FOR CONSIDERATION
9/11/2015	T55	\$ 290,000.00	CB&T MONEY MARKET	CHECKING	EXCESS FUNDS / BILLS FOR CONSIDERATION

**EAST ORANGE COUNTY WATER DISTRICT
SCHEDULE 1 - INVESTMENT ACTIVITY
MONTH OF AUGUST 2015**

	SECURITY TYPE	BOOK VALUE
BEGINNING BALANCES AUGUST 1, 2015		
LOCAL AGENCY INVESTMENT FUND	DEMAND LAIF	\$ 6,464,163.59
RAYMOND JAMES-CDs	DEMAND BROKERAGE	\$ 1,542,935.46
DUE TO FROM OTHER FUNDS	DUE TO/FROM	\$ -
US TREASURY OBLIGATIONS	US TREASURY	\$ -
Total		\$ 8,007,099.05
ACTIVITY		
ADDITIONS		
DEPOSIT TO LAIF-INTEREST	DEMAND LAIF	\$ -
DEPOSIT TO RAYMOND JAMES-INTEREST	DEMAND BROKERAGE	\$ 3,348.01
REDUCTIONS		
TRANSFER FROM LAIF TO CHECKING	DEMAND LAIF	\$ -
TRANSFERS BETWEEN FUNDS	DUE TO/FROM	\$ -
TRANSFERS TO CHECKING	DEMAND MM	\$ -
TRANSFER TO RAYMOND JAMES	DEMAND MM	\$ -
ENDING BALANCES AUGUST 31, 2015		
LOCAL AGENCY INVESTMENT FUND	DEMAND LAIF	\$ 6,464,163.59
RAYMOND JAMES-CDs and CASH	CERTIFICATES OF DEPOSIT	\$ 1,546,283.47
DUE TO FROM OTHER FUNDS	DUE TO/FROM	\$ -
US TREASURY OBLIGATIONS	US TREASURY	\$ -
TOTAL		\$ 8,010,447.06

**EAST ORANGE COUNTY WATER DISTRICT
SCHEDULE 2 - INVESTMENT PORTFOLIO
AUGUST 31, 2015**

NAME	SECURITY TYPE AND NUMBER	PURCHASE DATE	MATURITY DATE	INTEREST		MARKET VALUE	PURCHASE PRICE	PREMIUM OR DISCOUNT	ACCRUED INTEREST	FACE VALUE	% TO PORTFOLIO
				STATED	YIELD						
LAIF	DEMAND	N/A	N/A	0.320%	0.320%	\$ 6,464,214	\$ 6,464,164	\$ -	\$ -	\$ -	80.70%
RJ-CD	BMW BANK OF N AMERICA	11/19/12	11/12/15	2.000%	2.000%	100,341	102,937	2,898	38	100,000	1.29%
RJ-CD	CAPITAL ONE BANK	08/17/15	08/20/20	2.300%	2.300%	100,057	100,000	0	0	100,000	1.25%
RJ-CD	CIT BANK	03/06/13	03/06/18	1.100%	1.100%	144,977	145,000	0	0	145,000	1.81%
RJ-CD	DISCOVER BANK	10/17/12	10/17/16	1.200%	1.200%	100,817	100,000	0	0	100,000	1.25%
RJ-CD	DISCOVER BANK	02/20/13	02/20/18	1.100%	1.100%	148,778	150,000	0	0	150,000	1.87%
RJ-CD	EVERBANK	01/30/15	11/15/19	1.500%	1.740%	146,387	148,818	-1,650	468	150,000	1.86%
RJ-CD	FEDERAL FARM CREDIT	06/05/15	05/28/19	1.430%	1.482%	39,968	39,938	-73	11	40,000	0.50%
RJ-CD	GE MONEY BANK	10/25/12	08/31/17	1.650%	1.650%	100,882	100,998	754	244	100,000	1.26%
RJ-CD	GE CAPITAL RETAIL BANK	11/19/12	11/09/16	1.350%	1.350%	100,745	100,536	499	37	100,000	1.26%
RJ-CD	GE CAPITAL RETAIL BANK	02/22/13	02/22/18	1.100%	1.100%	148,766	150,000	0	0	150,000	1.87%
RJ-CD	GOLDMAN SACHS BANK	02/13/13	02/13/18	1.200%	1.200%	149,181	150,000	0	0	150,000	1.87%
RJ-CD	GOLDMAN SACHS BANK	10/11/12	10/03/17	1.550%	1.550%	100,623	99,977	-11	34	100,000	1.25%
RJ-CD	SYNCHRONY BANK	01/30/15	01/30/20	1.800%	1.800%	149,595	150,000	0	0	150,000	1.87%
RJ	CASH	N/A	N/A	0.000%	0.020%	8,079	8,079	0	0	8,079	0.10%
					1.319%	\$ 8,003,408	\$ 8,010,447	\$ 2,419	\$ 834	\$ 1,543,080	100.00%

LAIF=LOCAL AGENCY INVESTMENT FUND

RJ=RAYMOND JAMES

CERTIFICATION

I CERTIFY THAT (1) ALL INVESTMENT ACTIONS EXECUTED SINCE THE LAST REPORT HAVE BEEN MADE IN FULL COMPLIANCE WITH THE DISTRICT'S INVESTMENT POLICY AND, (2) THE DISTRICT WILL MEET ITS EXPENDITURE OBLIGATIONS FOR THE NEXT SIX MONTHS AS REQUIRED BY CALIFORNIA GOVERNMENT CODE SECTIONS 53646(b)(2) AND (3), RESPECTIVELY.

Cindy Byerrum, Treasurer

CINDY BYERRUM, TREASURER

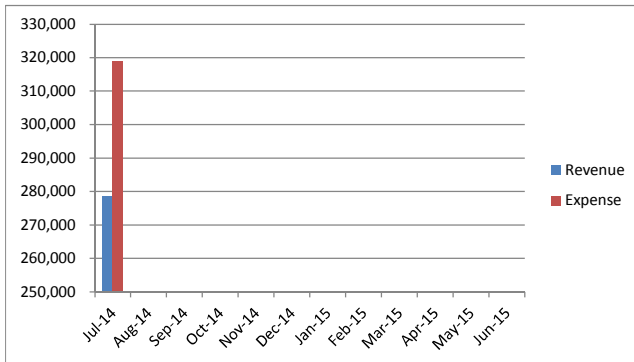
Wholesale Zone Financial Summary

For Period Ending July 31, 2015

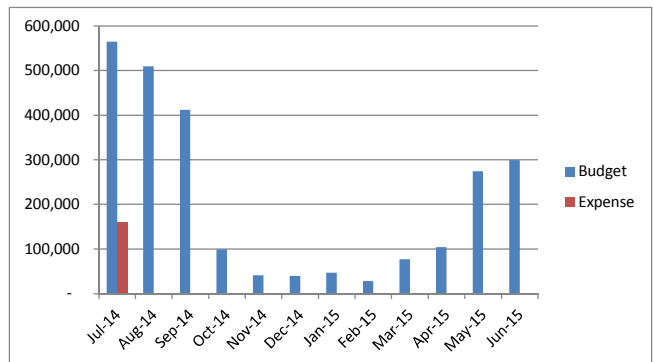
YTD Operating Income \$ 278,348

YTD Operating Expense \$ 318,946

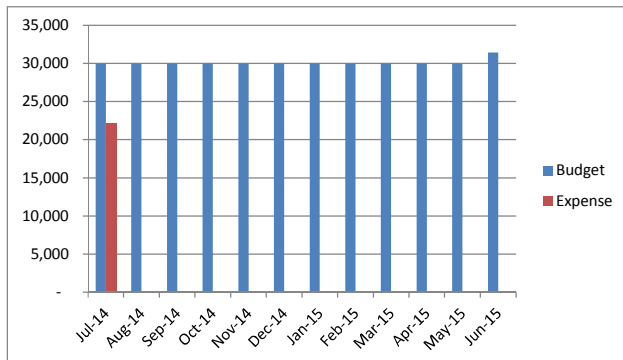
Revenue vs. Expenses



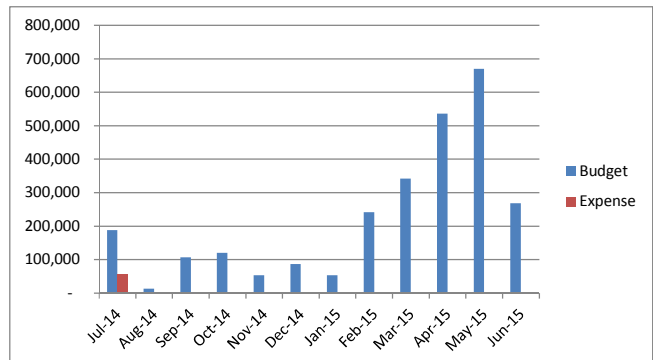
Water Purchased Budget vs. Actual



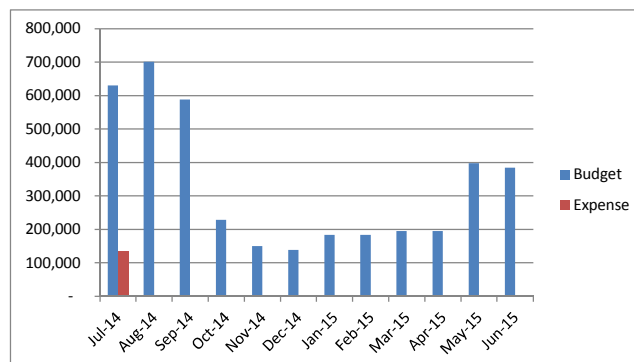
Salaries & Benefits Budget vs. Actual



CIP Budget & Actual



O&M Budget vs. Actual



WHOLESALE ZONE

**EAST ORANGE COUNTY WATER DISTRICT
2015-2016 STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS
MONTH: JULY 2015**

REVENUE		MONTHLY	YTD	ANNUAL	BUDGET \$	PERCENT
DESCRIPTION		ACTUAL	ACTUAL	2015-16	OVER	OF BUDGET
		REVENUE	REVENUE	BUDGET	(UNDER)	EXPENDED
1	OPERATING REVENUE:					
2	WATER SALES	160,686	160,686	2,494,800	(2,334,114)	6.44%
3	FIXED CHARGES	54,455	54,455	653,950	(599,495)	8.33%
4	EOCWD FIXED CHARGES	53,005	53,005	459,327	(406,322)	11.54%
5	REIMBURSED EXP-IRWD	-	-	-	-	0.00%
6	OTHER CHARGES	142	142	82,325	(82,183)	0.17%
7	TOTAL OPERATING REVENUE:	268,289	268,289	3,690,402	(3,422,113)	
8	NON-OPERATING REVENUES (EXPENSES):					
9	PROPERTY TAXES	-	-	678,500	(678,500)	0.00%
10	RENTAL INCOME - CELLULAR ANTENNAS	8,271	8,271	108,020	(99,749)	7.66%
11	INTEREST & INVESTMENT EARNINGS	1,594	1,594	20,900	(19,306)	7.63%
12	NOTE RECEIVABLE - AMP	144	144	-	144	0.00%
13	MISCELLANEOUS INCOME (EXPENSE)	50	50	600	(550)	8.33%
14	TOTAL NON-OPERATING REVENUES, NET	10,059	10,059	808,020	(797,961)	1.24%
15	NET OPERATING INCOME	278,348	278,348	4,498,422	(4,220,074)	6.19%

EXPENSES		MONTHLY	YTD	ANNUAL	BUDGET \$	PERCENT
DESCRIPTION		ACTUAL	ACTUAL	2015-16	OVER	OF BUDGET
		EXPENSES	EXPENSES	BUDGET	(UNDER)	EXPENDED
16	OPERATING EXPENSE:					
17	SOURCE OF SUPPLY	160,602	160,602	2,494,900	(2,334,298)	6.44%
18	MET/MWDOC FIXED CHARGE	35,619	35,619	507,975	(472,356)	7.01%
19	EOCWD FIXED CHARGE	18,837	18,837	226,000	(207,164)	8.33%
20	ENERGY	114	114	2,600	(2,486)	4.37%
21	OPERATIONS & MAINTENANCE	29,607	29,607	631,850	(602,243)	4.69%
22	GENERAL & ADMINISTRATIVE	38,338	38,338	257,145	(218,807)	14.91%
23	TRANSFER TO CAPITAL PROJECTS EXPENSE & RESERVES	31,496	31,496	377,952	(346,456)	8.33%
24	DEPRECIATION & AMORTIZATION	-	-	-	-	0.00%
25	MARKET VALUE ADJUSTMENT ON INVESTMENTS	4,335	4,335	-	4,335	0.00%
26	TOTAL OPERATING EXPENSE	318,946	318,946	4,498,422	(4,179,476)	7.09%
27	NET INCOME FROM OPERATIONS	(40,598)	(40,598)	-	(40,598)	
28	PRIOR YEARS INCOME (EXPENSES)	-	-	-	-	
29	NET INCOME (LOSS)	(40,598)	(40,598)	-	(40,598)	

Wholesale Zone

July 2015 Variance Report - 8.3% of Budget Year Expended

Account Name	Income(I) Expense (E)	YTD Amount	Percent Received/ Spent	Comments
<u>New</u>				
CONNECTION FEES	I	14,500.00	1450.00%	YTD is higher than budget due to receipt of a large deposit in Tustin
PERS CLASSIC (ER-PAID MEMBER)	E	614.84	0.00%	This account is a new account and was budgeted in Line 66 PERS Classic (ER-Contribution)
PERS PEPRA (ER)	E	179.16	0.00%	This account is a new account and was budgeted in Line 66 PERS Classic (ER-Contribution)
PERS UNFUNDED	E	455.78	0.00%	This account is a new account and was budgeted in Line 66 PERS Classic (ER-Contribution)
PERS PEPRA (EMPLOYEE)	E	(117.07)	0.00%	This account is a new account and was budgeted in Line 70 PERS Classic (Employee)

Ongoing

Capital Projects

New

Ongoing

EAST ORANGE COUNTY WATER DISTRICT**FOR WHOLESALE
MONTH: JULY 2015**

DESCRIPTION	MONTHLY ACTUAL	YTD ACTUAL	ANNUAL 2015-16 BUDGET	BUDGET \$ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
REVENUE					
1 WATER SALES	160,686	160,686	2,494,800	(2,334,114)	6.44%
2 METER CHARGE	75	75	2,200	(2,125)	3.41%
3 LATE CHARGE	-	-	100	(100)	0.00%
4 CONNECTION FEES	14,500	14,500	1,000	13,500	1450.00%
5 EOCWD RESERVE FUND CHARGE	25,481	25,481	302,079	(276,598)	8.44%
6 EOCWD READINESS TO SERVE CHARGE	13,024	13,024	156,248	(143,224)	8.34%
7 RETAIL SERVICE CONNECTIONS	18,836	18,836	226,000	(207,164)	8.33%
8 MET-MWDOC READINESS TO SERVE	20,686	20,686	243,250	(222,564)	8.50%
9 MET-MWDOC CAPACITY CHARGE	14,933	14,933	184,700	(169,767)	8.09%
10 MET-MWDOC CHOICE-WS	-	-	80,025	(80,025)	0.00%
11 REIMBURSED EXPENSES-IRWD	-	-	-	-	0.00%
12 REFUNDS	67	67	-	67	0.00%
13 Total OPERATING REVENUE:	268,289	268,289	3,690,402	(3,422,113)	
14 NON OPERATING INCOME					
15 INTEREST EARNED-LAIF	-	-	4,200	(4,200)	0.00%
16 INTEREST EARNED - RAYMOND JAMES	1,594	1,594	16,700	(15,106)	9.54%
17 TAXES-SECURED	-	-	590,000	(590,000)	0.00%
18 TAXES-UNSECURED	-	-	20,000	(20,000)	0.00%
19 TAXES SUPPLEMENTAL ROLL	-	-	10,000	(10,000)	0.00%
20 TAXES PRIOR YEARS	-	-	6,900	(6,900)	0.00%
21 TAXES HOMEOWNER'S SUBVENTION	-	-	3,300	(3,300)	0.00%
22 TAXES PUBLIC UTILITY	-	-	8,300	(8,300)	0.00%
23 TAXES TUSTIN RDA	-	-	40,000	(40,000)	0.00%
24 TAXES MISC	-	-	-	-	0.00%
25 RENT INCOME- AT&T	4,540	4,540	56,000	(51,460)	8.11%
26 RENT INCOME- CROWN CASTLE	3,731	3,731	52,020	(48,289)	7.17%
27 AMP SALE INSTALLMENTS	144	144	-	144	0.00%
28 MISCELLANEOUS INCOME	50	50	600	(550)	8.33%
29 Total NON OPERATING INCOME:	10,059	10,059	808,020	(797,961)	
30 Total OPERATING REVENUE	278,348	278,348	4,498,422	(4,220,074)	
31 NET OPERATING INCOME:	278,348	278,348	4,498,422	(4,220,074)	

EXPENSES

32 EOCF #2 NONINTERR OC 43	10,707	10,707	499,000	(488,293)	2.15%
33 EOCF #2 NONINTERR OC 48	15,045	15,045	748,500	(733,455)	2.01%
34 WATER PURCHASED AMP	134,850	134,850	1,247,400	(1,112,550)	10.81%
35 AMP_FAP LEASE EXPENSE	-	-	-	-	0.00%
36 MET-MWDOC CHOICE BUDGET	-	-	80,025	(80,025)	0.00%
37 MET-MWDOC READINESS TO SERVE	20,686	20,686	243,250	(222,564)	8.50%

EAST ORANGE COUNTY WATER DISTRICT**FOR WHOLESALE
MONTH: JULY 2015**

	DESCRIPTION	MONTHLY ACTUAL	YTD ACTUAL	ANNUAL 2015-16 BUDGET	BUDGET \$ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
38	MET-MWDOC CAPACITY FEES	14,933	14,933	184,700	(169,767)	8.09%
39	MWDOC RETAIL SERVICE CONNECT	18,837	18,837	226,000	(207,164)	8.33%
40	UTILITY- SCADA RTU	114	114	2,600	(2,486)	4.37%
41	SMALL TOOLS	1,167	1,167	3,600	(2,433)	32.41%
42	GASOLINE, OIL & DIESEL FUEL	236	236	5,000	(4,764)	4.72%
43	REGULATORY PERMITS	167	167	7,000	(6,833)	2.38%
44	PROF SERV WATER QUAL. CONTROL	351	351	25,500	(25,150)	1.37%
45	SCADA REPLACEMENTS / UPGRADES	-	-	10,000	(10,000)	0.00%
46	OPERATIONS REPORTING SOFTWARE	433	433	20,000	(19,567)	2.16%
47	METER PURCHASE/REPAIR	644	644	10,000	(9,356)	6.44%
48	PRESSURE REGULATORS R&M	-	-	5,000	(5,000)	0.00%
49	R/M- MAINS	-	-	25,000	(25,000)	0.00%
50	SERVICE CONNECTIONS R&M	317	317	1,500	(1,183)	21.10%
51	RESERVOIRS R&M	71	71	25,000	(24,929)	0.28%
52	R/M- VAULTS	-	-	10,000	(10,000)	0.00%
53	R/M- CATHODIC PROTECTION	150	150	15,000	(14,850)	1.00%
54	MAINTAIN & OPERATE EOCF#2	1,417	1,417	50,000	(48,583)	2.83%
55	METER TESTING	-	-	3,000	(3,000)	0.00%
56	SAC LINE R&M	204	204	25,800	(25,596)	0.79%
57	EQUIPMENT RENTAL	1,733	1,733	18,900	(17,168)	9.17%
58	EQUIPMENT MAINTENANCE	435	435	3,500	(3,065)	4.59%
59	VEHICLE MAINTENANCE	72	72	2,800	(2,728)	2.56%
60	MAINTENANCE-BUILDINGS AND GROUNDS	-	-	3,800	(3,800)	0.00%
61	WAGES	14,937	14,937	230,500	(215,563)	6.48%
62	PAYROLL TAXES- FICA & MEDICARE	1,230	1,230	17,600	(16,370)	6.99%
63	PERS CLASSIC(ER-CONTRIBUTION)	1,177	1,177	37,900	(36,723)	3.10%
64	PERS CLASSIC (ER-PAID MEMBER)	615	615	-	615	0.00%
65	PERS PEPRA (ER)	179	179	-	179	0.00%
66	PERS UNFUNDED	456	456	-	456	0.00%
67	PERS CLASSIC (EMPLOYEE)	(229)	(229)	(5,700)	5,471	0.00%
68	PERS PEPRA (EMPLOYEE)	(117)	(117)	-	(117)	0.00%
69	PAYROLL TAXES- SUI & ETT	33	33	1,300	(1,267)	2.50%
70	HEALTH & ACCIDENT INSURANCE	3,126	3,126	64,000	(60,874)	4.88%
71	DENTAL INSURANCE	278	278	4,400	(4,122)	6.31%
72	VISION INSURANCE	52	52	900	(848)	5.82%
73	LIFE INSURANCE	22	22	350	(328)	6.38%
74	WORKER'S COMP INSURANCE	376	376	8,200	(7,824)	4.59%
75	UNIFORMS	79	79	2,000	(1,921)	3.94%
76	UTILITIES- OFFICE- ELECT & WTR	376	376	4,000	(3,624)	9.41%
77	UTILITIES-DUMPSTER	26	26	500	(474)	5.21%
78	MCPHERSON FAX	37	37	400	(363)	9.21%
79	MCPHERSON INTERNET	63	63	2,400	(2,337)	2.61%
80	MCPHERSON OFFICE PHONES	281	281	3,500	(3,219)	8.04%
81	DISTRICT WEBSITE	51	51	2,250	(2,199)	2.26%

EAST ORANGE COUNTY WATER DISTRICT**FOR WHOLESALE
MONTH: JULY 2015**

	DESCRIPTION	MONTHLY ACTUAL	YTD ACTUAL	ANNUAL 2015-16 BUDGET	BUDGET \$ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
82	ANSWERING SERVICE	14	14	200	(186)	7.03%
83	CELLPHONES	134	134	2,000	(1,866)	6.72%
84	PHONE CIRCUITS TO CTRL EQUIP	378	378	4,000	(3,622)	9.46%
85	TRAINING/SCHOOLS	-	-	7,000	(7,000)	0.00%
86	CONSERVATION EDUCATION	359	359	5,000	(4,641)	7.17%
87	TRAVEL- CONF/SEMINARS	428	428	9,500	(9,073)	4.50%
88	MILEAGE	25	25	700	(675)	3.52%
89	BOARD MEETING EXPENSE	51	51	3,000	(2,949)	1.69%
90	DUES & MEMBERSHIP- ACWA	-	-	3,700	(3,700)	0.00%
91	DUES & MEMBERSHIPS- OCWA	-	-	75	(75)	0.00%
92	DUES & MEMBERSHIPS- AWWA	-	-	400	(400)	0.00%
93	DUES & MEMBERSHIP- FCA	-	-	20	(20)	0.00%
94	DUES & MEMBERSHIP- CSDA	41	41	3,500	(3,460)	1.16%
95	DUES- ISDOC/URBAN WTR	-	-	1,100	(1,100)	0.00%
96	POSTAGE	19	19	2,000	(1,981)	0.95%
97	OFFICE SUPPLY/FURN/SMALL EQUIP	372	372	7,000	(6,628)	5.32%
98	PUBLICATIONS & LEGAL NOTICES	-	-	5,000	(5,000)	0.00%
99	COPIER CONTRACT	54	54	650	(596)	8.34%
100	OFFICE EQUIPMENT R&M	-	-	800	(800)	0.00%
101	OUTSIDE SERVICES	5,335	5,335	10,000	(4,665)	53.35%
102	AUDITING	2,500	2,500	8,200	(5,700)	30.49%
103	TAX COLLECTION FEES	-	-	7,000	(7,000)	0.00%
104	TREASURER	-	-	5,000	(5,000)	0.00%
105	ACCOUNTING	1,969	1,969	25,500	(23,531)	7.72%
106	LEGAL	900	900	25,000	(24,100)	3.60%
107	COMPUTER CONSULTING	-	-	5,000	(5,000)	0.00%
108	ENGINEERING-WS	3,080	3,080	20,000	(16,920)	15.40%
109	LAFCO	19,605	19,605	30,000	(10,395)	65.35%
110	UNDERGROUND SERVICE ALERT	39	39	400	(361)	9.75%
111	BANK CHARGES	123	123	2,000	(1,877)	6.16%
112	INSURANCE-AUTO & GEN LIABILITY	797	797	12,000	(11,203)	6.64%
113	INSURANCE-PROPERTY	219	219	3,750	(3,531)	5.84%
114	INSURANCE-EMP. FIDELITY BOND	18	18	300	(282)	6.08%
115	SECURITY	-	-	1,500	(1,500)	0.00%
116	ELECTION EXPENSE	-	-	15,000	(15,000)	0.00%
117	MISCELLANEOUS EXP	7	7	500	(493)	1.50%
118	DIRECTOR- R. BARRETT	-	-	-	-	0.00%
119	DIRECTOR- W. VANDERWERFF	650	650	6,500	(5,850)	10.00%
120	DIRECTOR- J. DULEBOHN	150	150	3,600	(3,450)	4.17%
121	DIRECTOR- R. BELL	150	150	3,600	(3,450)	4.17%
122	DIRECTOR- D. DAVERT	-	-	-	-	0.00%
123	DIRECTOR- W. EVERETT	88	88	3,600	(3,513)	2.43%
124	DEPRECIATION EXP.	-	-	-	-	0.00%
125	TRANS TO CAPITAL PROJECTS	6,323	6,323	75,873	(69,550)	8.33%

EAST ORANGE COUNTY WATER DISTRICT**FOR WHOLESALE
MONTH: JULY 2015**

	DESCRIPTION	MONTHLY ACTUAL	YTD ACTUAL	ANNUAL 2015-16 BUDGET	BUDGET \$ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
126	TRANSFER TO (FROM) RESERVES	25,173	25,173	302,079	(276,906)	8.33%
127	MARKET VALUE ADJUST-INVESTMENT	4,335	4,335	-	4,335	0.00%
128	MARKET VALUE ADJUST-INVESTMENT	-	-	-	-	0.00%
128	Total EXPENSES:	318,946	318,946	4,498,422	(4,179,476)	
129	NET INCOME FROM OPERATIONS:	(40,598)	(40,598)	-	(40,598)	
130	OTHER INCOME AND EXPENSE					
131	PRIOR YEARS INCOME (EXPENSES)	-	-	-	-	0.00%
132	Total OTHER INCOME AND EXPENSE	-	-	-	-	0.00%
133	NET INCOME (LOSS)	(40,598)	(40,598)	-	(40,598)	

No assurance is provided on these financial statements.

The financial statements do not include a statement of cash flows.

Substantially all disclosures required by accounting principles generally accepted in the United States are not included.

WHOLESALE ZONE CAPITAL PROJECTS

EAST ORANGE COUNTY WATER DISTRICT

2015-2016 STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS

MONTH: JULY 2015

REVENUE		MONTHLY	YTD	ANNUAL	BUDGET \$	PERCENT
DESCRIPTION		ACTUAL	ACTUAL	2015-16	OVER	OF BUDGET
		REVENUE	REVENUE	BUDGET	(UNDER)	EXPENDED
1	FUNDS PROVIDED BY RESERVE	-	-	6,150,881	(6,150,881)	0.00%
2	CAPITAL PROJECTS REVENUE					
3	INTEREST EARNINGS	-	-	16,700	(16,700)	0.00%
4	REIMBURSEMENTS	-	-	-	-	0.00%
5	TRANSFER FROM OPERATING EXPENSES	31,496	31,496	377,952	(346,456)	8.33%
6	NET OPERATING INCOME	31,496	31,496	6,545,533	(6,514,037)	
EXPENSES		MONTHLY	YTD	ANNUAL	BUDGET \$	PERCENT
DESCRIPTION		ACTUAL	ACTUAL	2015-16	OVER	OF BUDGET
		EXPENSES	EXPENSES	BUDGET	(UNDER)	EXPENDED
7	CAPITAL PROJECTS EXPENSES					
8	UWMP UPDATE	280	280	55,000	(54,720)	0.51%
9	6 MG SECURITY GATE @ JAMBOREE	-	-	11,000	(11,000)	0.00%
10	6 MG SECURITY SYSTEM	-	-	25,000	(25,000)	0.00%
11	PIPELINE INSPECTION	-	-	31,000	(31,000)	0.00%
12	BETTERMENT & REPLACEMENT PLAN	50,723	50,723	70,000	(19,277)	72.46%
13	PROGRAMMATIC CEQA	-	-	40,000	(40,000)	0.00%
14	6 MG RESERVOIR ROOF REPAIRS	1,820	1,820	1,475,000	(1,473,180)	0.12%
15	PIPELINE CATHODIC PROTECTION	-	-	45,500	(45,500)	0.00%
16	OFFICE/YARD IMPROVEMENT	2,558	2,558	7,000	(4,442)	36.55%
17	11.5 CATHODIC PROTECTION	-	-	57,000	(57,000)	0.00%
18	NEW VEHICLE TO SUPPLEMENT FLEET	-	-	20,000	(20,000)	0.00%
19	6 MG TREATMENT PLANT	-	-	657,500	(657,500)	0.00%
20	ANDRES RESERVOIR VULNERABILITY UPGRADE	-	-	15,000	(15,000)	0.00%
21	VALVE REPLACEMENT (12" - 27")	-	-	23,000	(23,000)	0.00%
22	NEWPORT RESERVOIR MIXING SYSTEM	-	-	15,500	(15,500)	0.00%
23	6 MG RESERVOIR MIXING LAB	-	-	15,500	(15,500)	0.00%
24	11.5 & 1 MG RESERVOIR ISOLATION VALVES	-	-	35,000	(35,000)	0.00%
25	OC33 RECONNECTION	-	-	45,000	(45,000)	0.00%
26	VULNERABILITY UPGRADES-OC 70	490	490	12,000	(11,510)	4.08%
27	SEDARU IMPROVEMENTS	-	-	20,000	(20,000)	0.00%
28	WZ CAPITALIZED ACCOUNTING	-	-	5,000	(5,000)	0.00%
					-	0.00%
29	TOTAL OPERATING EXPENSE	55,871	55,871	2,680,000	(2,624,129)	
30	NET INCOME FROM OPERATIONS	(24,375)	(24,375)	3,865,533	(3,889,908)	
31	PRIOR YEARS INCOME (EXPENSES)	-	-	-	-	
32	NET INCOME (LOSS)	(24,375)	(24,375)	3,865,533	(3,889,908)	

**FOR WHOLESALE
MONTH: JULY 2015**

DESCRIPTION	MONTHLY ACTUAL	YTD ACTUAL	ANNUAL 2015-16 BUDGET	BUDGET \$ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
REVENUE					
FUNDED BY RESERVES	-	-	6,150,881	(6,150,881)	
1 INTEREST-LAIF-CAP	-	-	16,700	(16,700)	0.00%
2 REIMBURSEMENTS	-	-	-	-	0.00%
3 TRANSFER FROM WZ OPERATIONS EXPENSES	6,323	6,323	75,873	(69,550)	8.33%
4 TRANSFER FROM CAPITAL RESERVES	25,173	25,173	302,079	(276,906)	8.33%
5 Total NON OPERATING INCOME:	31,496	31,496	6,545,533	(6,514,036)	
6 Total OPERATING REVENUE	31,496	31,496	6,545,533	(6,514,036)	
7 NET OPERATING INCOME:	31,496	31,496	6,545,533	(6,514,036)	

EXPENSES					
8 UWMP Update	280	280	55,000	(54,720)	0.51%
9 6 MG Security Gate @ Jamboree-Construction	-	-	10,000	(10,000)	0.00%
10 6 MG Security Gate @ Jamboree-Labor	-	-	1,000	(1,000)	0.00%
11 6 MG Security System-Construction	-	-	20,000	(20,000)	0.00%
12 6 MG Security System-Labor	-	-	5,000	(5,000)	0.00%
13 Pipeline Inspection-Engineering	-	-	30,000	(30,000)	0.00%
14 Pipeline Inspection-Labor	-	-	1,000	(1,000)	0.00%
15 Betterment & Replacement Plan-Engineering	50,723	50,723	70,000	(19,277)	72.46%
16 Programmatic CEQA	-	-	40,000	(40,000)	0.00%
17 6 MG Reservoir Roof Repairs-Construction	-	-	1,300,000	(1,300,000)	0.00%
18 6 MG Reservoir Roof Repairs-Engineering	1,820	1,820	150,000	(148,180)	1.21%
19 6 MG Reservoir Roof Repairs-Labor	-	-	25,000	(25,000)	0.00%
20 Pipeline Cathodic Protection-Construction	-	-	20,000	(20,000)	0.00%
21 Pipeline Cathodic Protection-Engineering	-	-	25,000	(25,000)	0.00%
22 Pipeline Cathodic Protection-Labor	-	-	500	(500)	0.00%
23 Office/Yard Improvement-Construction	2,558	2,558	5,000	(2,442)	51.17%
24 Office/Yard Improvement-Labor	-	-	2,000	(2,000)	0.00%
25 11.5 Cathodic Protection-Construction	-	-	30,000	(30,000)	0.00%
26 11.5 Cathodic Protection-Engineering	-	-	25,000	(25,000)	0.00%
27 11.5 Cathodic Protection-Labor	-	-	2,000	(2,000)	0.00%
28 New Vehicle To Supplement Fleet	-	-	20,000	(20,000)	0.00%
29 6 MG Treatment Plant - Preliminary	-	-	500,000	(500,000)	0.00%
30 6 MG Treatment Plant - CEQA	-	-	75,000	(75,000)	0.00%
31 6 MG Treatment Plant-Construction	-	-	-	-	0.00%
32 6 MG Treatment Plant-Engineering	-	-	75,000	(75,000)	0.00%
33 6 MG Treatment Plant-Labor	-	-	7,500	(7,500)	0.00%
34 Andres Reservoir Vulnerability Upgrade-Construction	-	-	9,000	(9,000)	0.00%
35 Andres Reservoir Vulnerability Upgrade-Engineering	-	-	5,000	(5,000)	0.00%
36 Andres Reservoir Vulnerability Upgrade-Labor	-	-	1,000	(1,000)	0.00%
37 Valve Replacement (12" - 27")-Construction	-	-	12,000	(12,000)	0.00%

**FOR WHOLESALE
MONTH: JULY 2015**

DESCRIPTION	MONTHLY ACTUAL	YTD ACTUAL	ANNUAL 2015-16 BUDGET	BUDGET \$ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
38 Valve Replacement (12" - 27")-Engineering	-	-	5,000	(5,000)	0.00%
39 Valve Replacement (12" - 27")-Labor	-	-	6,000	(6,000)	0.00%
40 Newport Reservoir Mixing System-Labor	-	-	500	(500)	0.00%
41 Newport Reservoir Mixing System-Engineering	-	-	2,500	(2,500)	0.00%
42 Newport Reservoir Mixing System-Construction	-	-	12,500	(12,500)	0.00%
43 6 MG Reservoir Mixing Lab-Labor	-	-	500	(500)	0.00%
44 6 MG Reservoir Mixing Lab-Engineering	-	-	2,500	(2,500)	0.00%
45 6 MG Reservoir Mixing Lab-Construction	-	-	12,500	(12,500)	0.00%
46 11.5 & 1 MG Reservoir Isolation Valves-Labor	-	-	10,000	(10,000)	0.00%
47 11.5 & 1 MG Reservoir Isolation Valves-Engineering	-	-	5,000	(5,000)	0.00%
48 11.5 & 1 MG Reservoir Isolation Valves-Construction	-	-	20,000	(20,000)	0.00%
49 OC33 Reconnection-Labor	-	-	10,000	(10,000)	0.00%
50 OC33 Reconnection-Engineering	-	-	10,000	(10,000)	0.00%
51 OC33 Reconnection-Construction	-	-	25,000	(25,000)	0.00%
52 Vulnerability Upgrades-OC 70-Construction	490	490	12,000	(11,510)	4.08%
53 Sedaru Improvements	-	-	20,000	(20,000)	0.00%
54 WZ Capitalized Accounting	-	-	5,000	(5,000)	0.00%
55 Total EXPENSES:	55,871	55,871	2,680,000	(2,624,129)	
56 NET INCOME (LOSS)	(24,375)	(24,375)	3,865,533	(3,889,907)	-0.63%

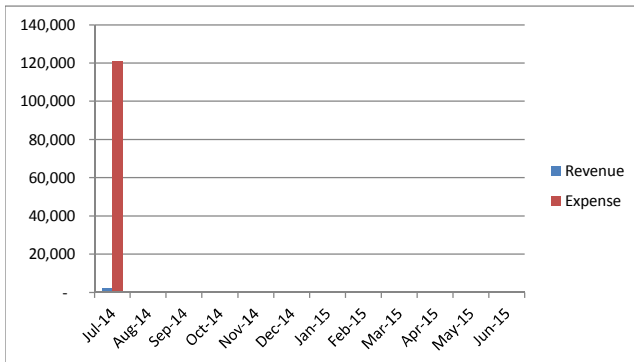
Retail Zone Financial Summary

For Period Ending July 31, 2015

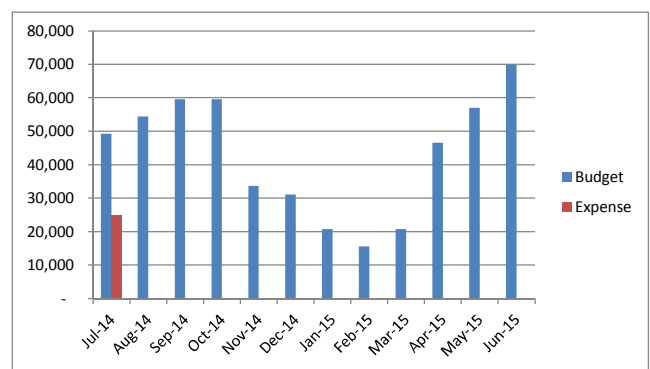
YTD Operating Income \$ 2,146

YTD Operating Expense \$ 120,895

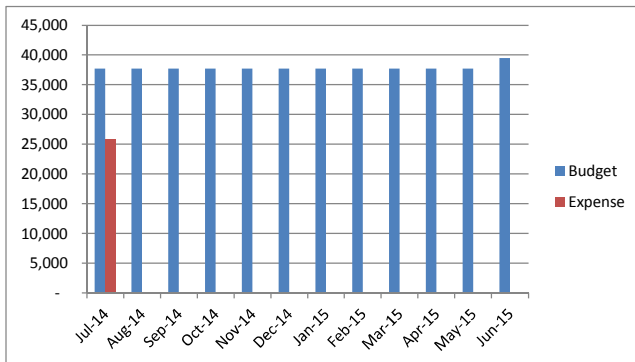
Revenue vs Expenses



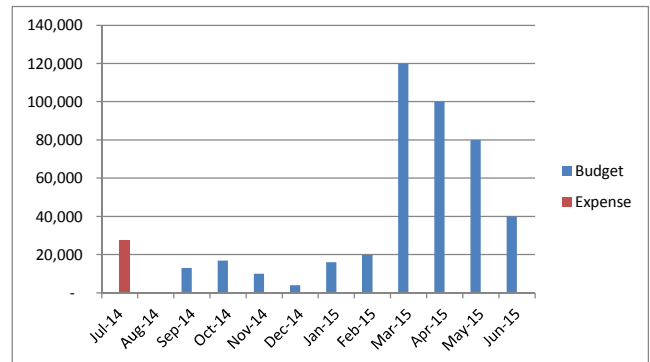
Water Purchased Budget vs. Actual



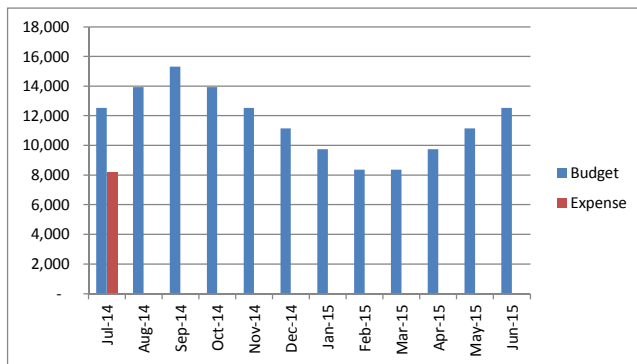
Salaries & Benefits Budget vs. Actual



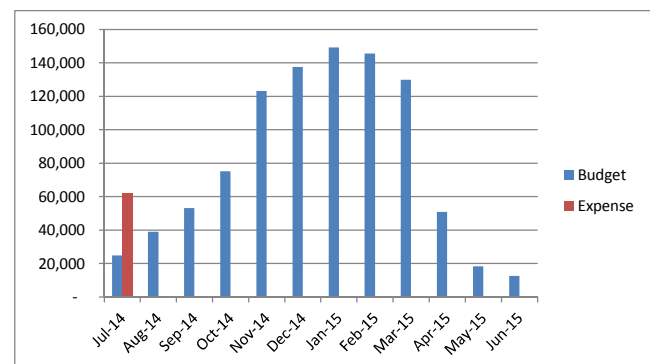
CIP Budget vs. Actual



Electrical Budget vs. Actual



O&M Budget vs. Actual



RETAIL ZONE

EAST ORANGE COUNTY WATER DISTRICT
2014-2015 STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS
MONTH: JULY 2015

REVENUE		MONTHLY ACTUAL REVENUE	YTD ACTUAL REVENUE	ANNUAL 2014-15 BUDGET	BUDGET \$ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
DESCRIPTION						
1	OPERATING REVENUE:					
2	WATER SALES	358	358	1,270,115	(1,269,757)	0.03%
3	METER CHARGE	(70)	(70)	387,415	(387,485)	-0.02%
4	OTHER CHARGES	1,717	1,717	10,600	(8,883)	16.20%
5	TOTAL OPERATING REVENUE:	2,005	2,005	1,668,130	(1,666,125)	0.12%
6	NON-OPERATING REVENUES (EXPENSES):					
7	PROPERTY TAXES	-	-	397,590	(397,590)	0.00%
8	INTEREST & INVESTMENT EARNINGS	6	6	4,080	(4,074)	0.14%
9	MISCELLANEOUS INCOME	135	135	500	(365)	27.06%
10	MARKET VALUE ADJUSTMENT ON INVESTMENTS	-	-	-	-	0.00%
11	DISPOSAL OF ASSET GAIN (LOSS)	-	-	-	-	0.00%
12	TOTAL NON-OPERATING REVENUES, NET	141	141	402,170	(402,029)	0.04%
13	NET OPERATING INCOME	2,146	2,146	2,070,300	(2,068,154)	0.10%

EXPENSES		MONTHLY ACTUAL EXPENSES	YTD ACTUAL EXPENSES	ANNUAL 2014-15 BUDGET	BUDGET \$ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
DESCRIPTION						
14	OPERATING EXPENSE:					
15	SOURCE OF SUPPLY	17,242	17,242	435,300	(418,058)	3.96%
16	MET/MWDOC FIXED CHARGE	1,089	1,089	12,300	(11,211)	8.85%
17	WZ FIXED CHARGE	2,207	2,207	19,250	(17,043)	11.47%
18	PIPELINE CAPACITY LEASE	4,308	4,308	51,000	(46,692)	8.45%
19	ENERGY	7,839	7,839	135,000	(127,161)	5.81%
20	OPERATIONS & MAINTENANCE	32,091	32,091	693,930	(661,839)	4.62%
21	GENERAL & ADMINISTRATIVE	21,536	21,536	308,520	(286,984)	6.98%
22	TRANSFER TO CAPITAL PROJECTS EXPENSE	25,000	25,000	300,000	(275,000)	8.33%
23	RETAIL OPERATIONS CONTINGENCY FUND	5,417	5,417	65,000	(59,583)	8.33%
24	FUNDED TO/BY RESERVE	4,167	4,167	50,000	(45,833)	8.33%
25	DEPRECIATION & AMORTIZATION	-	-	-	-	0.00%
26	TOTAL OPERATING EXPENSE	120,895	120,895	2,070,300	(1,949,405)	5.84%
27	NET INCOME FROM OPERATIONS	(118,749)	(118,749)	-	(118,749)	
28	PRIOR YEARS INCOME (EXPENSES)	-	-	-	-	
29	NET INCOME (LOSS)	(118,749)	(118,749)	-	(118,749)	

Retail Zone**July 2015 Variance Report - 8.3% of Budget Year Expended**

Account Name	Income(I) Expense (E)	YTD Amount	Percent Received/ Spent	Comments
Operating				
<u>New</u>				
PERS Classic (ER-paid member)	E	702.52	0%	This account is a new account and was budgeted in Line 66 PERS Classic (ER-Contribution)
PERS PEPRA (ER)	E	206.13	0%	This account is a new account and was budgeted in Line 66 PERS Classic (ER-Contribution)
PERS Unfunded	E	524.39	0%	This account is a new account and was budgeted in Line 66 PERS Classic (ER-Contribution)
PERS PEPRA (Employee)	E	(134.69)	0%	This account is a new account and was budgeted in Line 70 PERS Classic (Employee)

Ongoing

Capital

New**Ongoing**

DESCRIPTION	MONTHLY ACTUAL	YTD ACTUAL	ANNUAL 2014-15 BUDGET	BUDGET \$ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
REVENUE					
1 WATER SALES	358	358	1,020,115	(1,019,757)	0.04%
2 DROUGHT SURCHARGE	-	-	250,000	(250,000)	0.00%
3 METER CHARGE	(70)	(70)	387,415	(387,485)	-0.02%
4 LATE CHARGE	1,650	1,650	11,000	(9,350)	15.00%
5 RETURNED CHECK CHARGE	-	-	1,000	(1,000)	0.00%
6 TURN OFF CHARGE	-	-	600	(600)	0.00%
7 OTHER CHARGES	-	-	-	-	0.00%
8 UNCOLLECTIBLE ACCOUNTS	-	-	(2,000)	2,000	0.00%
9 TURN ON NEW SERVICE	-	-	-	-	0.00%
10 REFUNDS	67	67	-	67	0.00%
11 Total OPERATING REVENUE:	2,005	2,005	1,668,130	(1,666,125)	
12 INTEREST INCOME-MM	6	6	30	(24)	19.20%
13 INTEREST-LAIF-OP	-	-	4,050	(4,050)	0.00%
14 TAXES SECURED	-	-	346,545	(346,545)	0.00%
15 TAXES UNSECURED	-	-	15,100	(15,100)	0.00%
16 TAXES SUPPLEMENTAL ROLL	-	-	9,900	(9,900)	0.00%
17 TAXES PRIOR YEARS	-	-	3,900	(3,900)	0.00%
18 TAXES HOMEOWNER'S SUBVENTION	-	-	1,900	(1,900)	0.00%
19 TAXES PUBLIC UTILITY	-	-	4,300	(4,300)	0.00%
20 TAXES TUSTIN RDA	-	-	20,945	(20,945)	0.00%
21 TAXES MISC	-	-	-	-	0.00%
22 TAXES ACCRUED	-	-	(5,000)	5,000	0.00%
23 DISPOSAL OF ASSETS GAIN(LOSS)	-	-	-	-	0.00%
24 MISCELLANEOUS INCOME	135	135	500	(365)	27.06%
25 Total NON OPERATING INCOME:	141	141	402,170	(402,029)	
26 Total OPERATING REVENUE	2,146	2,146	2,070,300	(2,068,154)	
27 NET OPERATING INCOME:	2,146	2,146	2,070,300	(2,068,154)	

EXPENSES

28 WATER PURCHASED	25	25	242,100	(242,075)	0.01%
29 WATER PURCHASED IN-LIEU	-	-	-	-	0.00%
30 WATER PURCHASED IN LIEU CREDIT	-	-	-	-	0.00%
31 OCWD- REPLENISH ASSESSMENT	17,217	17,217	193,200	(175,983)	8.91%
32 MET-MWDOC READINESS TO SERVE	2,961	2,961	35,000	(32,039)	8.46%
33 MET-MWDOC CAPACITY FEES	1,347	1,347	16,000	(14,653)	8.42%
34 MWDOC RETAIL SERVICE CONNECT	1,089	1,089	12,300	(11,211)	8.85%
35 EOCWD WR RESERVE FUND CHARGE	753	753	4,800	(4,048)	15.68%
36 EOCWD WR READINESS TO SERVE	1,455	1,455	14,450	(12,995)	10.07%
37 UTILITY STOLLER RESERVOIR	3,449	3,449	60,000	(56,551)	5.75%
38 UTILITY VISTA PANORAMA BOOSTER	267	267	8,000	(7,733)	3.34%
39 UTILITIES- WELLS- EAST/WEST	4,122	4,122	67,000	(62,878)	6.15%
40 SMALL TOOLS	1,167	1,167	3,600	(2,433)	32.41%
41 GASOLINE, OIL & DIESEL FUEL	288	288	6,700	(6,412)	4.31%
42 REGULATORY PERMITS	167	167	6,600	(6,433)	2.53%
43 NPDS PERMIT	-	-	-	-	0.00%
44 PROF SERV WATER QUAL. CONTROL	397	397	20,000	(19,603)	1.99%
45 CHLORINE GENERATOR/SALT PURCH	-	-	1,200	(1,200)	0.00%
46 WEST WELL MAINTENANCE	-	-	3,500	(3,500)	0.00%
47 EAST WELL MAINTENANCE	-	-	5,000	(5,000)	0.00%
48 STOLLER RESERVOIR/BOOSTER R&M	-	-	9,000	(9,000)	0.00%

EAST ORANGE COUNTY WATER DISTRICT

FOR RETAIL
MONTH: JULY 2015

	DESCRIPTION	MONTHLY ACTUAL	YTD ACTUAL	ANNUAL 2014-15 BUDGET	BUDGET \$ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
49	VISTA PANORAMA BOOSTER R&M	-	-	4,200	(4,200)	0.00%
50	R&M VISTA PANORAMA RESERVOIR	-	-	12,000	(12,000)	0.00%
51	CHLORINE GENERATOR	1,034	1,034	6,000	(4,966)	17.23%
52	SCADA REPAIR/UPGRADE	-	-	12,000	(12,000)	0.00%
53	OPERATIONS REPORTING SOFTWARE	820	820	16,000	(15,180)	5.13%
54	HYDRANT REPAIR & REPLACEMENTS	-	-	16,100	(16,100)	0.00%
55	METER PURCHASE REPAIR	644	644	20,000	(19,356)	3.22%
56	PRV- R & M	-	-	2,000	(2,000)	0.00%
57	R/M- MAINS	665	665	30,000	(29,335)	2.22%
58	DAMAGE REPAIR- CAL EMA	-	-	-	-	0.00%
59	SERVICE LATERALS R&M	-	-	25,000	(25,000)	0.00%
60	RESERVOIRS R&M	71	71	2,000	(1,929)	3.55%
61	R/M- VAULTS	-	-	1,500	(1,500)	4.60%
62	R/M- CATHODIC PROTECTION	-	-	5,000	(5,000)	0.00%
63	METER TESTING	-	-	1,000	(1,000)	0.00%
64	EQUIPMENT RENTAL	473	473	20,000	(19,528)	2.36%
65	BACKHOE R&M	435	435	4,500	(4,065)	9.66%
66	VEHICLES R&M	80	80	3,500	(3,420)	2.29%
67	BUILDING/GROUNDS R&M	-	-	3,500	(3,500)	0.00%
68	WAGES	17,185	17,185	281,700	(264,515)	6.10%
69	PAYROLL TAXES- FICA & MEDICARE	1,403	1,403	21,600	(20,197)	6.50%
70	PERS Classic(ER-Contribution)	1,338	1,338	46,300	(44,962)	2.89%
71	PERS Classic (ER-paid member)	703	703	-	703	0.00%
72	PERS PEPRA (ER)	206	206	-	206	0.00%
73	PERS Unfunded	524	524	-	524	0.00%
74	PERS Classic (Employee)	(261)	(261)	(7,100)	6,839	0.00%
75	PERS PEPRA (Employee)	(135)	(135)	-	(135)	0.00%
76	PAYROLL TAXES- SUI & ETT	35	35	4,100	(4,065)	0.86%
77	HEALTH & ACCIDENT INSURANCE	3,864	3,864	87,900	(84,036)	4.40%
78	DENTAL INSURANCE	339	339	5,300	(4,961)	6.40%
79	VISION INSURANCE	64	64	1,100	(1,036)	5.81%
80	LIFE INSURANCE	27	27	430	(403)	6.35%
81	WORKER'S COMP INSURANCE	460	460	10,000	(9,540)	4.60%
82	UNIFORMS	96	96	2,700	(2,604)	3.57%
83	DISTRICT WEBSITE	51	51	10,650	(10,599)	0.48%
84	MCPHERSON FAX	37	37	300	(263)	12.28%
85	MCPHERSON INTERNET	63	63	4,000	(3,937)	1.57%
86	MCPHERSON OFFICE PHONES	281	281	3,525	(3,244)	7.98%
87	ANSWERING SERVICE	14	14	250	(236)	5.62%
88	PHONE CIRCUITS TO CTRL EQUIP	222	222	3,000	(2,778)	7.41%
89	CELLPHONES	134	134	1,700	(1,566)	7.90%
90	UNDERGROUND SERVICE ALERT	39	39	500	(461)	7.80%
91	TRAINING/SCHOOLS	-	-	6,500	(6,500)	0.00%
92	CONSERVATION EDUCATION	6,519	6,519	20,000	(13,481)	32.59%
93	TRAVEL-CONF/SEMINARS	428	428	9,500	(9,073)	4.50%
94	MILEAGE	25	25	900	(875)	2.74%
95	DUES & MEMBERSHIPS- ACWA	-	-	3,750	(3,750)	0.00%
96	DUES & MEMBERSHIPS- OCWA	-	-	75	(75)	0.00%
97	DUES & MEMBERSHIPS- AWWA	-	-	400	(400)	0.00%
98	DUES & MEMBERSHIP- FCA	-	-	20	(20)	0.00%
99	DUES & MEMBERSHIP-CSDA	41	41	3,500	(3,460)	1.16%
100	DUES- ISDOC/URBAN WTR	-	-	1,000	(1,000)	0.00%
101	MISCELLANEOUS EXP	7	7	500	(493)	1.49%
102	DIRECTOR- R. BARRETT	-	-	-	-	0.00%
103	DIRECTOR- W. VANDERWERFF	650	650	6,500	(5,850)	10.00%
104	DIRECTOR- J. DULEBOHN	150	150	3,600	(3,450)	4.17%
105	DIRECTOR- R. BELL	150	150	3,600	(3,450)	4.17%
106	DIRECTOR- D. DAVERT	-	-	-	-	0.00%

EAST ORANGE COUNTY WATER DISTRICT

FOR RETAIL
MONTH: JULY 2015

	DESCRIPTION	MONTHLY ACTUAL	YTD ACTUAL	ANNUAL 2014-15 BUDGET	BUDGET \$ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
107	DIRECTOR- W. EVERETT	88	88	3,600	(3,513)	2.43%
108	BOARD MEETING EXPENSE	51	51	2,000	(1,949)	2.53%
109	POSTAGE	589	589	5,000	(4,411)	11.78%
110	OFFICE SUPPLY/FURN/SMALL EQUIP	372	372	6,000	(5,628)	6.20%
111	PUBLICATIONS & LEGAL NOTICES	-	-	20,000	(20,000)	0.00%
112	COPIER CONTRACT	54	54	650	(596)	8.34%
113	VERSATERM CONTRACT (RZ BILLS)	148	148	5,000	(4,852)	2.95%
114	BANK CHARGES	130	130	7,900	(7,770)	1.65%
115	OUTSIDE SERVICES	2,300	2,300	10,000	(7,700)	23.00%
116	AUDITING	2,500	2,500	8,400	(5,900)	29.76%
117	TAX COLLECTION FEES	-	-	7,000	(7,000)	0.00%
118	COMPUTER BILLING (RZ BILLS)	167	167	7,100	(6,933)	2.35%
119	TREASURER	-	-	5,000	(5,000)	0.00%
120	ACCOUNTING- SERRANO	1,969	1,969	25,500	(23,531)	7.72%
121	LEGAL	-	-	35,000	(35,000)	0.00%
122	COMPUTER CONSULTING	-	-	5,000	(5,000)	0.00%
123	ENGINEERING-RZ	980	980	40,000	(39,020)	2.45%
124	LAFCO	2,334	2,334	5,000	(2,666)	46.68%
125	INSURANCE-AUTO & GEN LIABILITY	554	554	8,000	(7,446)	6.92%
126	INSURANCE-PROPERTY	73	73	3,000	(2,927)	2.43%
127	INSURANCE-EMP. FIDELITY BOND	16	16	400	(384)	4.05%
128	OFFICE EQUIPMENT R&M	-	-	1,000	(1,000)	0.00%
129	UTILITIES-DUMPSTER	26	26	500	(474)	5.21%
130	UTILITIES- OFFICE- ELECT & WTR	376	376	4,200	(3,824)	8.96%
131	SECURITY	-	-	1,500	(1,500)	0.00%
132	ELECTION EXPENSE	-	-	8,000	(8,000)	0.00%
133	DEPRECIATION EXP.	-	-	-	-	0.00%
134	TRANS TO CAPITAL PROJECTS	25,000	25,000	300,000	(275,000)	8.33%
135	RZ- CONTINGENCY FUND	5,417	5,417	65,000	(59,583)	8.33%
136	FUNDED TO/BY RESERVE-RZ	4,167	4,167	50,000	(45,833)	8.33%
137	MARKET VALUE ADJUST-INVESTMENT	-	-	-	-	0.00%
138	MARKET VALUE ADJUST-INVESTMENT	-	-	-	-	0.00%
139	TOTAL OPERATING EXPENSES:	120,895	120,895	2,070,300	(1,949,405)	
140	NET INCOME FROM OPERATIONS:	(118,749)	(118,749)	-	(118,749)	
141	PRIOR YEARS INCOME (EXPENSES)	-	-	-	-	0.00%
142	PRIOR YEARS INCOME (EXPENSES)	-	-	-	-	0.00%
143	Total OTHER INCOME AND EXPENSES	-	-	-	-	
144	NET INCOME (LOSS)	(118,749)	(118,749)	-	(118,749)	

No assurance is provided on these financial statements.

The financial statements do not include a statement of cash flows.

Substantially all disclosures required by accounting principles generally accepted in the United States are not included.

RETAIL ZONE CAPITAL PROJECTS

EAST ORANGE COUNTY WATER DISTRICT
2013-2014 STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS
MONTH: JULY 2015

REVENUE					
DESCRIPTION	MONTHLY ACTUAL REVENUE	YTD ACTUAL REVENUE	ANNUAL 2014-15 BUDGET	BUDGET \$ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
1 FUNDS PROVIDED BY RESERVE	-	-	1,958,747	(1,958,747)	0.00%
2 CAPITAL PROJECTS REVENUE					
3 CAPITAL PROJECTS FEES	(101)	(101)	288,000	(288,101)	-0.04%
4 CONNECTION FEES	3,449	3,449	2,500	949	137.97%
5 INTEREST EARNINGS	-	-	500	(500)	0.00%
6 TRANSFER FROM OPERATING EXPENSES	29,167	29,167	350,000	(320,833)	8.33%
7 LOAN FOR SYSTEM IMPROVEMENTS	-	-	5,000,000	(5,000,000)	
8 NET OPERATING INCOME	32,514	32,514	7,599,747	(7,567,233)	
EXPENSES					
DESCRIPTION	MONTHLY ACTUAL EXPENSES	YTD ACTUAL EXPENSES	ANNUAL 2014-15 BUDGET	BUDGET \$ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
9 CAPITAL PROJECTS EXPENSES					
10 LOAN FOR SYSTEM IMPROVEMENTS	-	-	113,700	(113,700)	0.00%
11 MASTER PLAN & CONDITION ASSESSMENT	24,824	24,824	86,000	(61,176)	28.87%
12 OFFICE/YARD IMPROVEMENT	2,558	2,558	6,000	(3,442)	42.64%
13 NEW VEHICLE TO SUPPLEMENT FLEET	-	-	20,000	(20,000)	0.00%
14 VP HYDRO TANK SEISMIC UPGRADE	-	-	62,000	(62,000)	0.00%
15 VISTA PANORAMA RESERVOIR REPAIR	-	-	166,000	(166,000)	0.00%
16 VALVE RAISING-CRAWFORD CANYON	-	-	18,000	(18,000)	0.00%
17 VALVE REPLACEMENTS	-	-	25,000	(25,000)	0.00%
18 ALLOWANCE FOR SYSTEM RELOCATION	-	-	110,000	(110,000)	0.00%
19 BACKUP GENERATOR FOR VP BOOSTER	-	-	50,500	(50,500)	0.00%
20 6" MAGMETERS @ STOLLER PRVS	-	-	15,000	(15,000)	0.00%
21 STOLLER 150HP BOOST PUMP	-	-	81,000	(81,000)	0.00%
22 REPLACEMENT RECOMMENDATIONS	-	-	180,000	(180,000)	0.00%
23 BACKUP SYSTEM PRV - CIRCULA PANORAMA	-	-	710,000	(710,000)	0.00%
24 NEW WELL CONSTRUCTION	-	-	65,000	(65,000)	0.00%
25 SECURITY IMPROVEMENTS-RESERVOIR SITES	-	-	15,000	(15,000)	0.00%
26 WELL DISINFECTION CONVERSION	-	-	57,500	(57,500)	0.00%
27 WEST WELL REHABILITATION	-	-	72,000	(72,000)	0.00%
28 SCADA SYSTEM ADDITIONS	-	-	20,000	(20,000)	0.00%
29 SEDARU IMPROVEMENTS	-	-	10,000	(10,000)	0.00%
30 CAPITALIZED ACCOUNTING	-	-	5,000	(5,000)	0.00%
## TOTAL OPERATING EXPENSE	27,382	27,382	1,887,700	(1,860,318)	
## NET INCOME FROM OPERATIONS	5,132	5,132	5,712,047	(5,706,915)	
## PRIOR YEARS EXPENSES	-	-	-	-	
## NET INCOME (LOSS)	5,132	5,132	5,712,047	(5,706,915)	

FOR RETAIL
MONTH: JULY 2015

DESCRIPTION	MONTHLY ACTUAL	YTD ACTUAL	ANNUAL 2014-15 BUDGET	BUDGET \$ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
REVENUE					
1 FUNDED BY RESERVES	-	-	1,958,747	(1,958,747)	
2 WATER SALES-CAPITAL PROJECTS	(101)	(101)	288,000	(288,101)	-0.04%
3 CONNECTION FEES	3,449	3,449	2,500	949	137.97%
4 INTEREST-LAIF-CAP	-	-	500	(500)	0.00%
5 TRANSFER IN CAPITAL PROJECTS	25,000	25,000	300,000	(275,000)	8.33%
6 TRANSFER IN CAPITAL RESERVES	4,167	4,167	50,000	(45,833)	8.33%
7 LOAN FOR SYSTEM IMPROVEMENTS	-	-	5,000,000	(5,000,000)	0.00%
8 Total NON OPERATING INCOME:	32,514	32,514	7,599,747	(7,567,233)	
9 Total OPERATING REVENUE	32,514	32,514	7,599,747	(7,567,233)	
10 NET OPERATING INCOME:	32,514	32,514	7,599,747	(7,567,233)	

EXPENSES

11 Loan For System Improvements	-	-	113,700	(113,700)	0.00%
12 Master Plan & Condition Assessment-Construction	-	-	50,000	(50,000)	0.00%
13 Master Plan & Condition Assessment-Engineering	24,824	24,824	35,000	(10,176)	70.93%
14 Master Plan & Condition Assessment-Labor	-	-	1,000	(1,000)	0.00%
15 Office/Yard Improvement-Construction	-	-	5,000	(5,000)	0.00%
16 Office/Yard Improvement-Engineering	2,558	2,558	-	2,558	0.00%
17 Office/Yard Improvement-Labor	-	-	1,000	(1,000)	0.00%
18 New Vehicle To Supplement Fleet	-	-	20,000	(20,000)	0.00%
19 VP Hydro Tank Seismic Upgrade-Construction	-	-	40,000	(40,000)	0.00%
20 VP Hydro Tank Seismic Upgrade-Engineering	-	-	20,000	(20,000)	0.00%
21 VP Hydro Tank Seismic Upgrade-Labor	-	-	2,000	(2,000)	0.00%
22 Vista Panorama Reservoir Repair-Construction	-	-	100,000	(100,000)	0.00%
23 Vista Panorama Reservoir Repair-Engineering	-	-	60,000	(60,000)	0.00%
24 Vista Panorama Reservoir Repair-Labor	-	-	6,000	(6,000)	0.00%
25 Valve Raising-Crawford Canyon-Construction	-	-	17,000	(17,000)	0.00%
26 Valve Raising-Crawford Canyon-Engineering	-	-	500	(500)	0.00%
27 Valve Raising-Crawford Canyon-Labor	-	-	500	(500)	0.00%
28 Valve Replacements-Labor	-	-	20,000	(20,000)	0.00%
29 Valve Replacements-Construction	-	-	5,000	(5,000)	0.00%
30 Allowance For System Relocation-Labor	-	-	5,000	(5,000)	0.00%
31 Allowance For System Relocation-Engineering	-	-	5,000	(5,000)	0.00%
32 Allowance For System Relocation-Construction	-	-	100,000	(100,000)	0.00%
33 Backup Generator For VP Booster-Labor	-	-	500	(500)	0.00%
34 Backup Generator For VP Booster-Construction	-	-	50,000	(50,000)	0.00%
35 6" Magmeters @ Stoller Prvs-Labor	-	-	5,000	(5,000)	0.00%
36 6" Magmeters @ Stoller Prvs-Construction	-	-	10,000	(10,000)	0.00%

FOR RETAIL
MONTH: JULY 2015

DESCRIPTION	MONTHLY ACTUAL	YTD ACTUAL	ANNUAL 2014-15 BUDGET	BUDGET \$ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
37 Stoller 150Hp Boost Pump-Labor	-	-	80,000	(80,000)	0.00%
38 Stoller 150Hp Boost Pump-Engineering	-	-	1,000	(1,000)	0.00%
39 Replacement Recommendations-Labor	-	-	20,000	(20,000)	0.00%
40 Replacement Recommendations-Engineering	-	-	60,000	(60,000)	0.00%
41 Replacement Recommendations-Construction	-	-	100,000	(100,000)	0.00%
42 Backup System PRV - Circula Panorama-Labor	-	-	10,000	(10,000)	0.00%
43 Backup System PRV - Circula Panorama-Engineering	-	-	100,000	(100,000)	0.00%
44 Backup System PRV - Circula Panorama-Construction	-	-	600,000	(600,000)	0.00%
45 New Well Construction-Construction	-	-	10,000	(10,000)	0.00%
46 New Well Construction-Labor	-	-	5,000	(5,000)	0.00%
47 New Well Construction-Engineering	-	-	50,000	(50,000)	0.00%
48 Security Improvements-Reservoir Sites-Labor	-	-	5,000	(5,000)	0.00%
49 Security Improvements-Reservoir Sites-Construction	-	-	10,000	(10,000)	0.00%
50 Well Disinfection Conversion-Labor	-	-	2,500	(2,500)	0.00%
51 Well Disinfection Conversion-Engineering	-	-	10,000	(10,000)	0.00%
52 Well Disinfection Conversion-Construction	-	-	45,000	(45,000)	0.00%
53 West Well Rehabilitation-Labor	-	-	2,000	(2,000)	0.00%
54 West Well Rehabilitation-Construction	-	-	70,000	(70,000)	0.00%
55 SCADA System Additions-Engineering	-	-	20,000	(20,000)	0.00%
56 Sedaru Improvements	-	-	10,000	(10,000)	0.00%
57 Capitalized Accounting	-	-	5,000	(5,000)	0.00%
58 TOTAL OPERATING EXPENSES:	27,382	27,382	1,887,700	(1,860,318)	
59 Net Income (Loss):	5,132	5,132	5,712,047	(5,706,915)	



MEMO

TO: BOARD OF DIRECTORS
FROM: GENERAL MANAGER
SUBJECT: LOCAL SEWER TRANSFER – AUGUST STATUS UPDATE
DATE: SEPTEMBER 17, 2015

ACTIVITIES UPDATE

Outreach & Communications

There were no meetings in August.

OC LAFCO

At their August 12th Meeting, the Commission was scheduled to accept the Service Area 7 Focused Municipal Service Review, however Supervisor Spitzer and Commissioners Bernstein and Withers were not able to be present. Supervisor Spitzer requested a continuance and the Commission agreed to do so. Mayor Tita Smith from Orange was present to speak in support of EOCWD and the Commission did hear her comments; Director Steve LaMar from IRWD spoke in support of IRWD.

An update on the schedule to hear the application was provided: it is estimated that the Focused MSR will be accepted at the September 9th meeting and the applications (EOCWD's and IRWD's) will be heard at the October LAFCO Meeting; however, LAFCO staff is still awaiting information from the County Auditor-Controller and the County's Chief Executive Office in order to complete the applications.

RECOMMENDATION

Information item only; no action required.



MEMO

TO: BOARD OF DIRECTORS
FROM: GENERAL MANAGER
SUBJECT: WHOLESALE AND RETAIL ZONE WATER DEMANDS – August, 2015
DATE: September 17, 2015

Wholesale Zone Water Demands

Attached is a graphical representation of the Wholesale Zone water demand through August 31, 2015. Total water sales for the month of August totaled 278.12 AF; total year-to-date sales are 452.12 AF. This is a 398.88 AF or 58.9% decrease in demand from August 2014.

Retail Zone Water Demands

Page 1 of the attached report is an overview of the sources of water supply and our monthly usage. Currently, all water supplied to the RZ is from the groundwater basin. With the end of the Coastal Pumping Transfer Program (CPTP), we will begin to provide some imported water to the RZ.

Page 2 of the report depicts our 10-year water usage and how much of this was groundwater versus imported water. As shown on this graph, drought allocations begun in 2014/15 have reduced total demand below the 10 year average of 1,070 AF. We expect that this will continue to decrease this year due to the enhanced conservation required under the drought.

Page 3 provides a comparison of water demand versus precipitation, water demand versus average high temperature and water demand versus unemployment rates. As would be expected, generally in wet years, demand is lower than in dry years, whereas average temperature doesn't have as much of a cause/effect relationship. There does appear to be a slight relationship between unemployment rates and water demand, with increasing demand occurring as unemployment rates decrease.

As shown on Page 4, total production for the month of August was 68.9 AF; this is 35 AF (34%) lower than our demand for August 2014 and 46 AF (40%) lower than our average demand for the last 6 years.

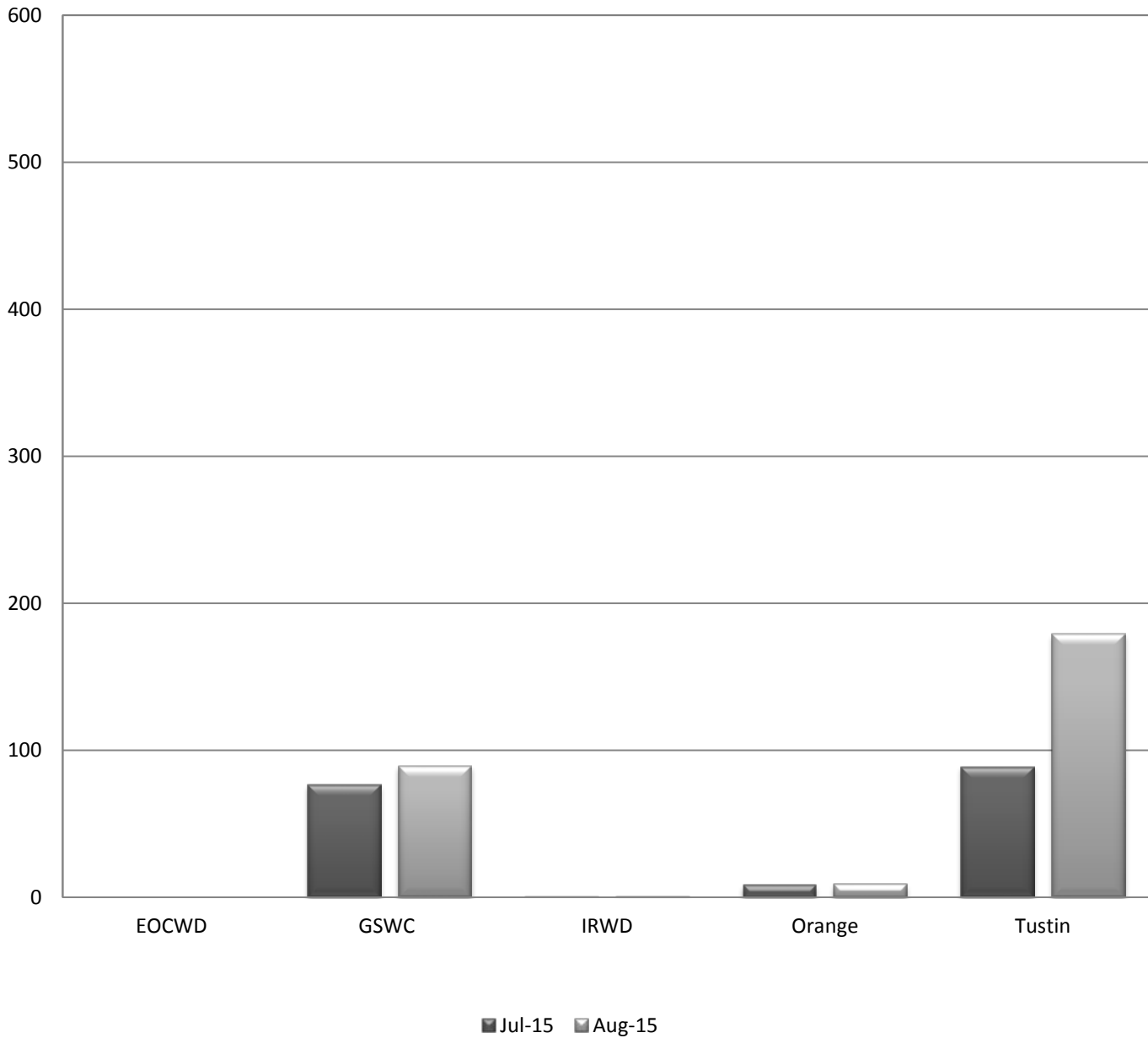
Please note that there is a difference regarding how the Drought Mandate Reduction Percentage is calculated and how MWDOC production figures that are shown in this report are calculated. MWDOC demand figures assume all water that is taken is used and doesn't account for stored water in the Andres (11 MG) reservoir. For our Drought Mandate, only the actual demand figures are used; stored water is not counted. For August, the difference between the **total production** (68.9 AF) and **total demand** was 3.9 AF, therefore our actual August demand is 65 AF (39.7%) than our demand for August 2013 (107.8 AF) – we have now met our Drought Mandate for 3 of the 9 required months.

Also attached are graphs depicting the Retail Zone's water demand, including a table that shows "gallons per capita per day" or GPCD. The effect of the increased conservation is shown very vividly here - the table shows our residents' per person, per day water consumption for the month of **August 2015 (222)** compared to **August 2014 (336)**. This number is derived by dividing the total amount of water used by the population (a number calculated by the Center for Demographics at Cal State Fullerton). For comparison, the average GPCD for the South Coast area of California is 176 GPCD (Source: Department of Water Resources). The average GPCD for RZ customers for FY 2014/15 was 246 GPCD.

Wholesale Zone Water Demand

Total Monthly Sales for August, 2015= 278.12 AF

Total YTD Sales for July - June, 2015 = 452.12 AF



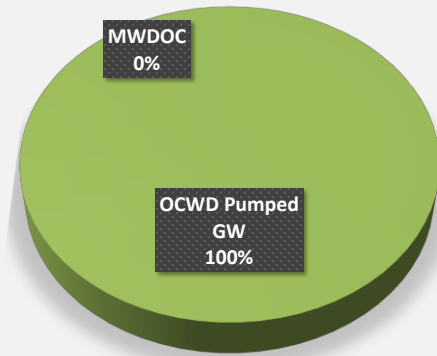
East Orange County Retail Zone Water Usage Report

East Orange County Retail Zone Overview of Usage FY 2015-16 Monthly Water Use

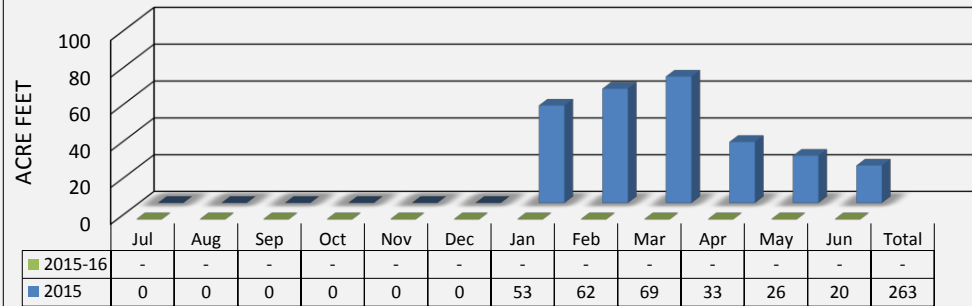
Type of Supply	July	August	September	October	November	December	January	February	March	April	May	June	Total
MWDOC	-	-	-	-	-	-	-	-	-	-	-	-	-
OCWD Pumped GW	54	69	-	-	-	-	-	-	-	-	-	-	123
Total	54	69	-	-	-	-	-	-	-	-	-	-	123

2015 MWDOC Usage	0	0	0	0	0	0	53	62	69	33	26	20	263
------------------	---	---	---	---	---	---	----	----	----	----	----	----	-----

2015-16 Sources of Water Supply



MWDOC Calendar Year and Fiscal Year Purchases



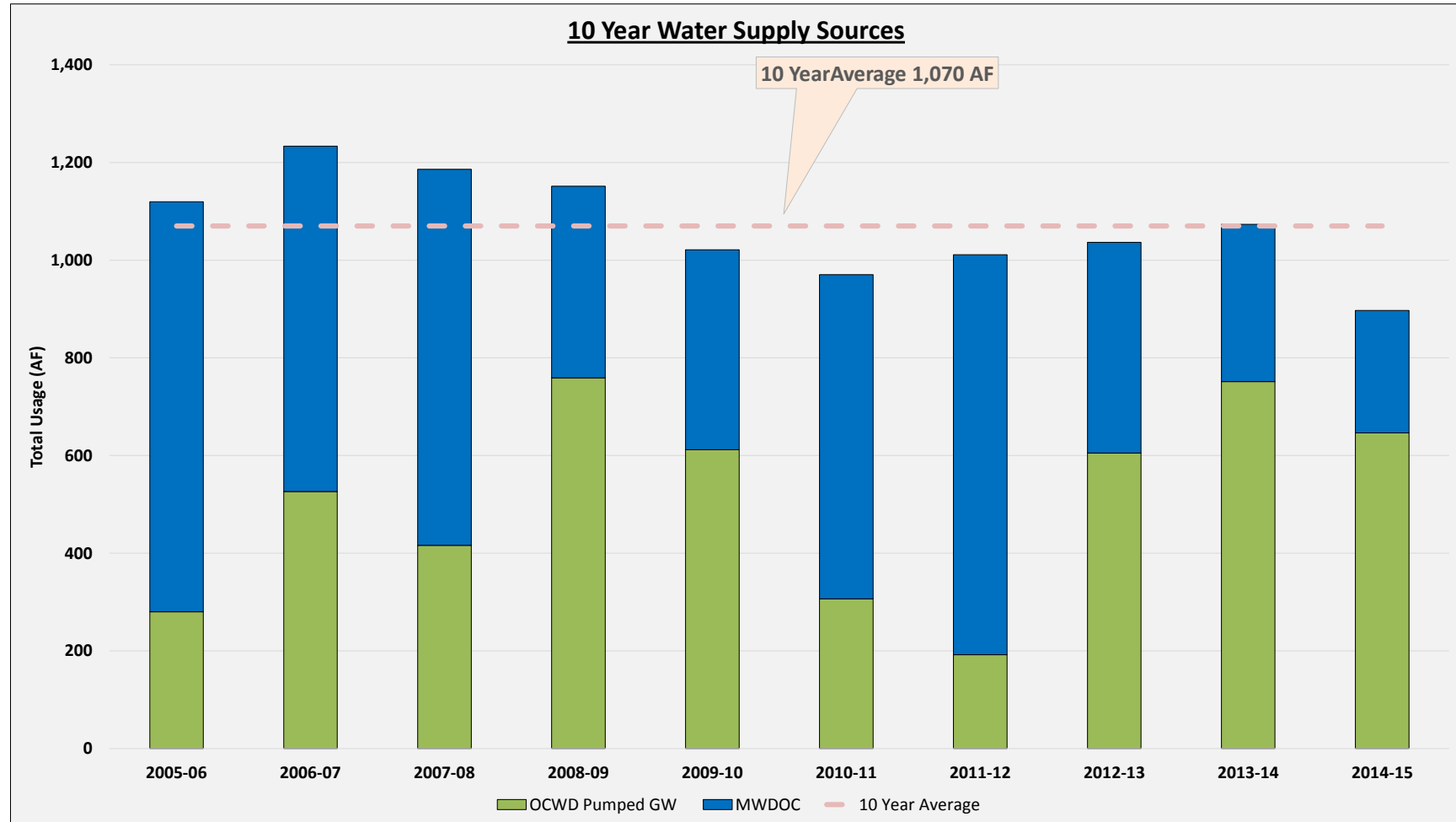
2015-16 Water Supply Sources



East Orange County Retail Zone Water Usage Report

Annual Water Usage

Type of Supply	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	Average
MWDOC	839.5	707.1	770.0	392.3	409.3	663.8	819.1	431.3	322.0	250.7	560.5
OCWD Pumped GW	280.2	526.3	416.0	759.1	612.0	306.5	192.1	605.2	751.3	646.3	509.5
Total	1,120	1,233	1,186	1,151	1,021	970	1,011	1,037	1,073	897	1,070

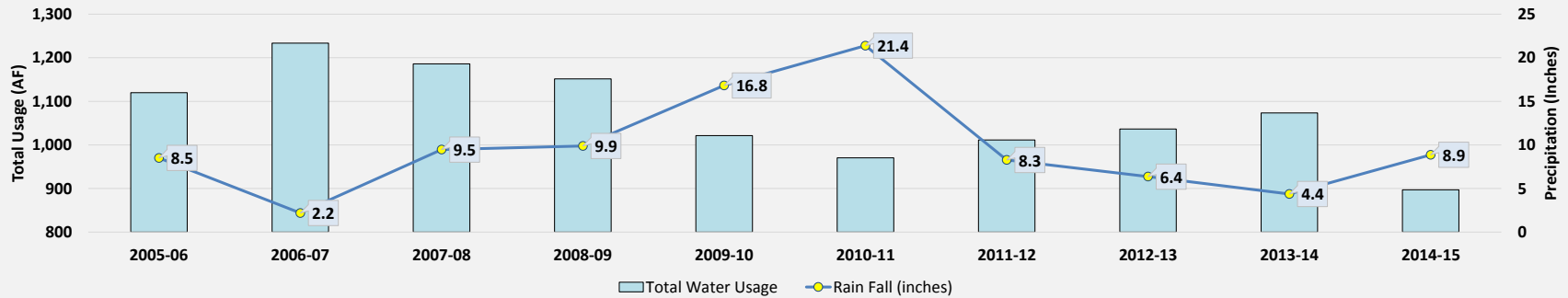


East Orange County Retail Zone Water Usage Report

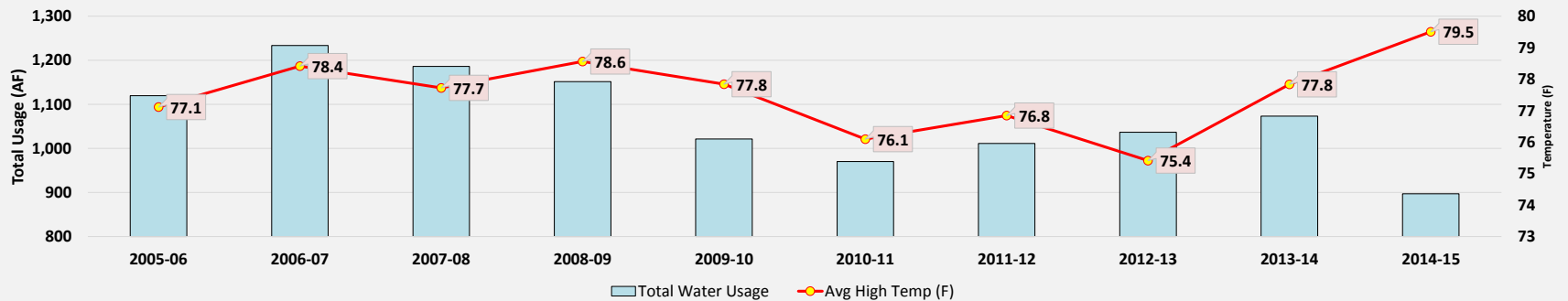
Water Usage Variables

Type of Supply	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	Average
Rain Fall (inches)	8.5	2.2	9.5	9.9	16.8	21.4	8.3	6.4	4.4	8.9	9.6
Avg High Temp (F)	77.1	78.4	77.7	78.6	77.8	76.1	76.8	75.4	77.8	79.5	77.5
LA Unemployment %	4.6%	4.4%	5.5%	9.1%	11.6%	11.7%	10.9%	9.5%	8.2%	7.2%	8.3%
Total Water Usage	1,120	1,233	1,186	1,151	1,021	970	1,011	1,037	1,073	897	1,070

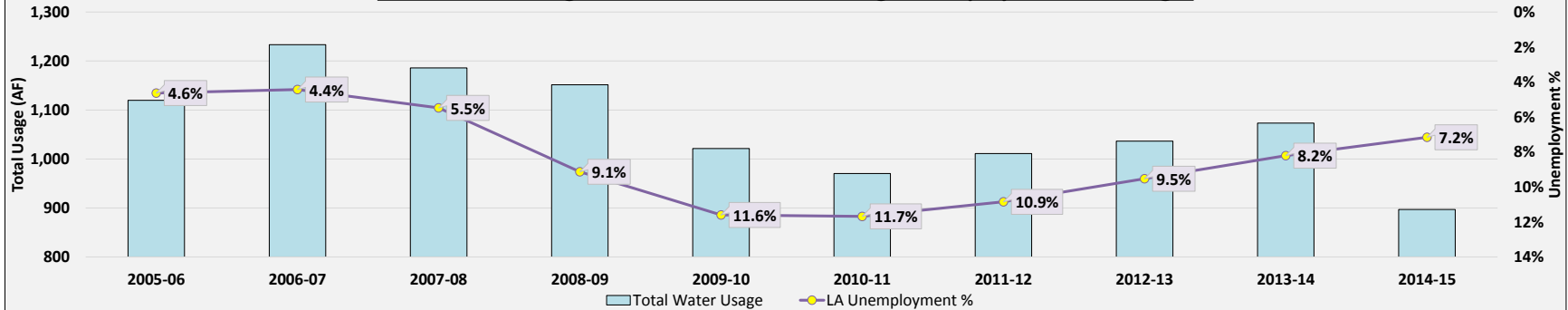
10 Year Water Usage VS Precipitation (SNA #121 Station)



10 Year Water Usage VS Average High Temperature (Santa Ana Fire Station)



10 Year Water Usage VS L.A. Metro Annual Average Unemployment Percentages



East Orange County Retail Zone Water Usage Report

East Orange County Retail Zone Detailed Usage Historical Monthly Potable Usage (Fiscal Year, July-June)

Fiscal Year	July	August	September	October	November	December	January	February	March	April	May	June	Total
2008-09 Usage	127	127	114	108	96	57	91	46	83	101	103	100	1,152
2009-10 Usage	123	124	112	97	86	55	52	35	59	74	96	110	1,021
2010-11 Usage	112	118	109	76	73	49	58	55	54	78	92	98	970
2011-12 Usage	120	119	98	88	63	68	71	58	67	65	95	100	1,011
2012-13 Usage	114	118	107	99	75	42	58	62	73	85	101	103	1,037
2013-14 Usage	104	108	111	94	87	66	81	63	69	80	108	103	1,073
2014-15 Usage	100	104	102	93	74	41	59	53	72	73	52	74	897
Average of Last 6 FYs	112	115	106	91	76	53	63	54	66	76	91	98	1,002
Monthly Usage Percentage	11%	11%	11%	9%	8%	5%	6%	5%	7%	8%	9%	10%	100%

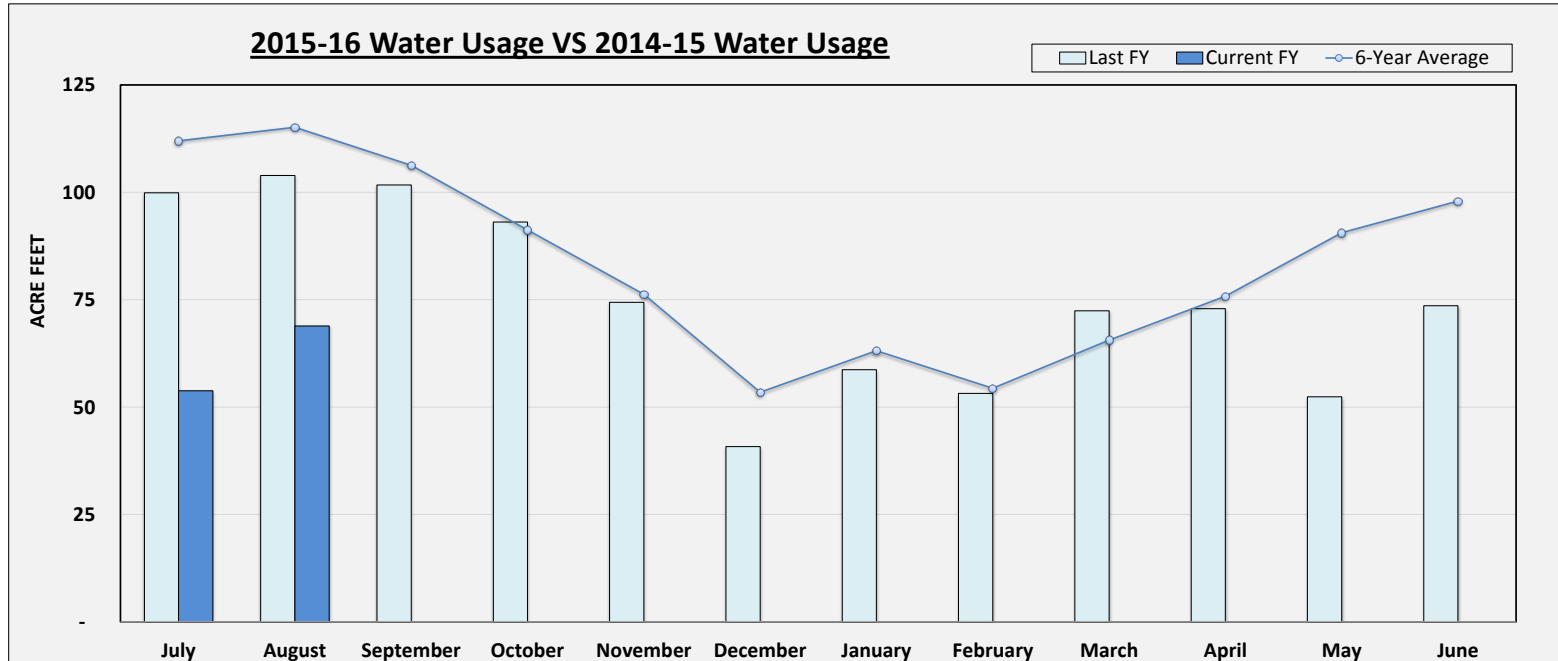
Water Usage By Source

Imported	July	August	September	October	November	December	January	February	March	April	May	June	Total
MWD via EO Wholesale	-	-	-	-	-	-	-	-	-	-	-	-	-
CPTP	-	-	-	-	-	-	-	-	-	-	-	-	-
Imported Total	-	-	-	-	-	-	-	-	-	-	-	-	-

Local	July	August	September	October	November	December	January	February	March	April	May	June	Total
OCWD Pumped GW	53.8	68.9	-	-	-	-	-	-	-	-	-	-	122.7
Less CPTP	-	-	-	-	-	-	-	-	-	-	-	-	-
Local Total	54	69	-	-	-	-	-	-	-	-	-	-	122.70

Total Usage 2015-16	54	69	-	-	-	-	-	-	-	-	-	-	122.70
---------------------	----	----	---	---	---	---	---	---	---	---	---	---	--------

FY 14-15 versus FY 13-14 -46% -34%

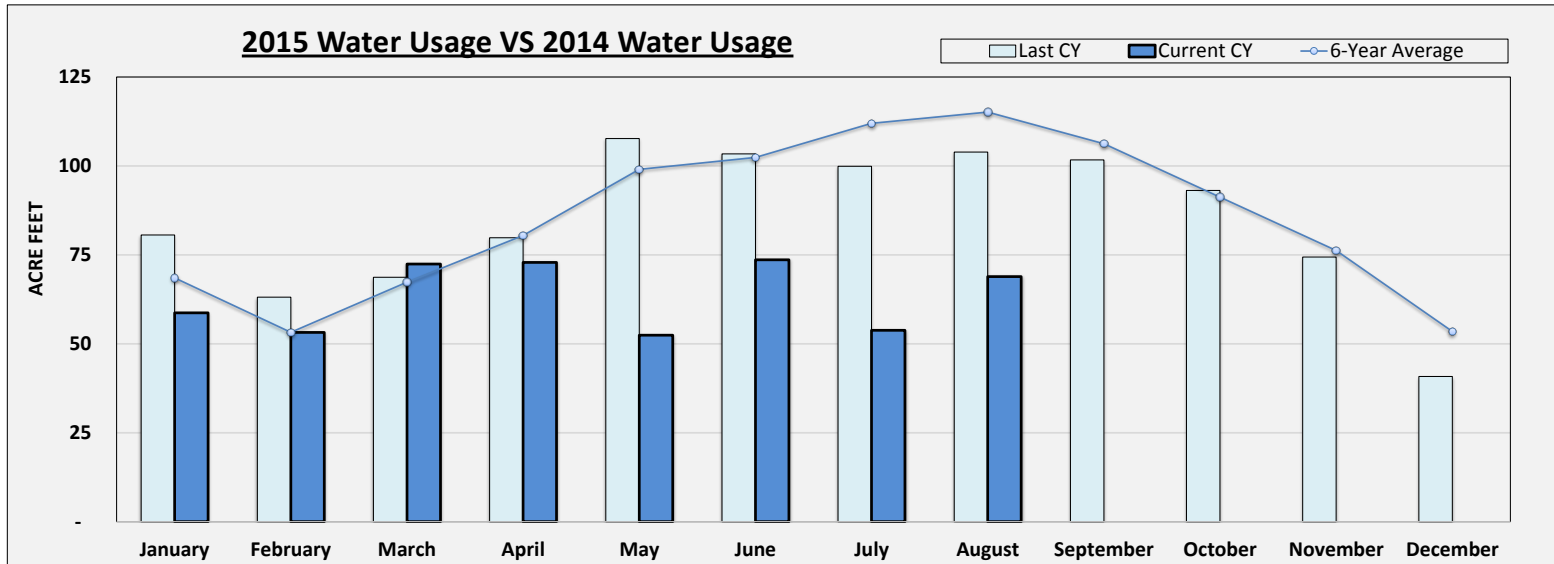


East Orange County Retail Zone Water Usage Report

Historical Monthly Potable Usage (Calendar Year)

Calendar Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
2009	91	46	83	101	103	100	123	124	112	97	86	55	1,120
2010	52	35	59	74	96	110	112	118	109	76	73	49	962
2011	58	55	54	78	92	98	120	119	98	88	63	68	990
2012	71	58	67	65	95	100	114	118	107	99	75	42	1,010
2013	58	62	73	85	101	103	104	108	111	94	87	66	1,052
2014	81	63	69	80	108	103	100	104	102	93	74	41	1,017
6 year Average	69	53	67	80	99	102	112	115	106	91	76	53	1,025

Total Water Usage 2015	59	53	72	73	52	74	54	69	-	-	-	-	506
2015 VS 2014 Usage	+1%	-14%	-1%	-14%	-48%	-28%	-48%	-36%					-50%



	Population	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2014 Usage (AF)	3,249	81	63	69	80	108	103	100	104	102	93	74	41	1,017
2014 GPCD		261	226	222	267	348	346	323	336	340	301	249	132	279
2015 Usage (AF)		59	53	72	73	52	74	54	69	-	-	-	-	506
2015 GPCD	3,257	189	190	234	243	169	245	174	222	-	-	-	-	139
CY over CY change in GPCD		-71	-36	+11	-24	-179	-100	-150	-114					-141

	Population	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
2014-15 Usage (AF)	3,249	100	104	102	93	74	41	59	53	72	73	52	74	897
2014-15 GPCD		323	336	340	301	249	132	190	191	234	244	170	246	246
2015-16 Usage (AF)		54	69	-	-	-	-	-	-	-	-	-	-	-
2015-16 GPCD	3,257	174	222	-	-	-	-	-	-	-	-	-	-	-
FY over FY change in GPCD		-150	-114											

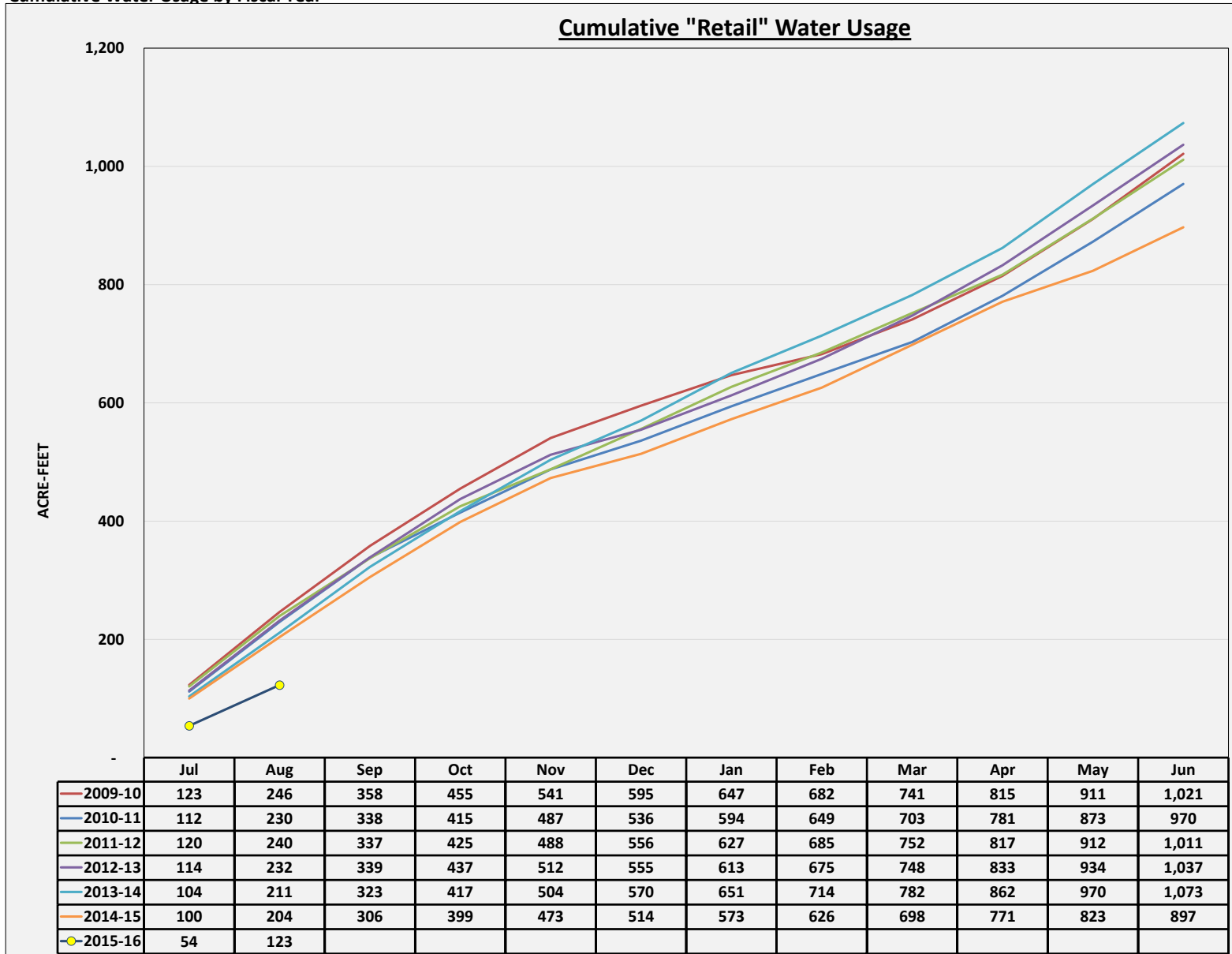
*Cumulative through the end of the last month shown

*GPCD = Total Monthly Production/ Population/days in the month



East Orange County Retail Zone Water Usage Report

Cumulative Water Usage by Fiscal Year



Drought Education/Enforcement Efforts - August 2015

<i>Activity</i>	<i>Date</i>	<i>Action</i>
Meetings		
Orange County Water Use Efficiency Workgroup Meeting	August 6, 2015	Items of discussion include Agency Drought Response Updates, compliance rates for July, Water Loss Control Workshops on 8/18/15 and 1/12/16; MET's drought marketing campaign, MWDOC's drought campaign; MET Rebate program status and modifications, In-house rebate administration, California Urban Water Conservation Council activities, restaurant/hotel outreach, bill inserts, search engine marketing, landscape contractor marketing, MWELO.
Public Affairs Workgroup (MWDOC)	August 27, 2015	Items of discussion include: Elementary and high school water education programs, Drought Messaging Update, community events presentation, drought performance, OC Register joint advertising.
Water Waste/High Water Bill Phone Calls		
Verify Irrigatable Area - Jerry	August 3, 2015	Customer on Barrett Lane asked to verify square footage.
Assist Customer with Adjusting Irrigation Timer - Ty	August 3, 2015	Customer on Crawford Canyon Rd. requested assistance with adjusting irrigation.
Ordinance Infraction - Ty	August 3, 2015	Found customer on Vista Panorama hosing down patio. Issued warning.

Verify Irrigatable Area - Matt	August 3, 2015	Customer on Vista Panorama asked to verify square footage.
Water Conservation Help- Ty	August 4, 2015	Customer on Panorama Place requested assistance with reducing usage.
Water Conservation Help- Ty	August 4, 2015	Customer on Fairhaven Ext. requested assistance with reducing usage.
Water Conservation Help - Ty	August 5, 2015	Customer on Barrett Lane requested assistance with reducing usage.
Verify Irrigatable Area - Jerry	August 5, 2015	Customer on Barrett Lane asked to verify square footage.
Verify Irrigatable Area - Jerry	August 5, 2015	Customer on Villa Rose asked to verify square footage.
Verify Irrigatable Area - Ty	August 5, 2015	Customer on Marcy Ranch Rd. asked to verify square footage.
Verify Irrigatable Area - Matt	August 5, 2015	Customer on St. Mark's asked to verify square footage.

Verify Irrigatable Area - Matt	August 6, 2015	Customer on Barrett Hill Circle asked to verify square footage.
Water Conservation Help- Matt	August 6, 2015	Customer on Barrett Hill Circle asked for help reducing usage.
Water Conservation Help- Matt	August 6, 2015	Customer on Old Foothill asked for help reducing usage.
Assist Customer with Adjusting Irrigation Timer - Ty	August 7, 2015	Customer on Winwood Lane asked for help adjusting irrigation timer.
Verify Irrigatable Area - Ty	August 7, 2015	Customer on St. Mark's asked to verify square footage.
Assist Customer with Adjusting Irrigation Timer - Jerry	August 7, 2015	Customer on Bonita Hts. Drive asked for help reducing usage. Adjusted irrigation timer.
Water Conservation Help- Ty	August 7, 2015	Customer on Fairhaven Ext. requested assistance with reducing usage.
Water Conservation Help- Matt	August 10, 2015	Customer in Winwood Estates requested that we check for leaks. None found.

Water Conservation Help- Matt	August 11, 2015	Customer in Stonehenge requested assistance with reducing usage.
Verify Irrigatable Area - Ty	August 11, 2015	Customer in Winwood Estates requested verification of fruit trees and irrigatable area.
Verify Irrigatable Area - Matt	August 11, 2015	Customer on St. Mark's asked to verify square footage.
Verify Irrigatable Area - Matt	August 11, 2015	Customer on Barrett Lane asked to verify square footage.
Water Conservation Help- Matt	August 14, 2015	Customer on Villa Del Cerro asked to assist with irrigation timer.
Water Conservation Help- Matt	August 18, 2015	Customer on Circula Panorama asked that property be checked for leaks.
Water Conservation Help- Matt	August 20, 2015	Customer on Alta Panroama asked that property be checked for leaks.
Water Conservation Help- Matt	August 20, 2015	Customer on Daniger Rd. asked that property be checked for leaks. Found possible leak.

Verify Irrigatable Area - Ty	August 20, 2015	Customer on Panrama View requested lot size verification.
Assist Customer with Adjusting Irrigation Timer - Matt	August 26, 2015	Customer on Country Haven asked for assistance adjusting irrigation timer.
Verify Irrigatable Area and no. of occupants - Matt	August 28, 2015	Customer on Circula Panorama asked for lot size verification and credit for additional occupants.
Verify Irrigatable Area and no. of occupants - Matt	August 28, 2015	Customer on Panorama Crest asked for lot size verification and credit for additional occupants.
Water Conservation Help- Ty	August 28, 2015	Customer on Crawford Canyon Rd. asked that property be checked for leaks.
Assist Customer with Adjusting Irrigation Timer - Matt	August 31, 2015	Customer on Barrett Hill Circle asked for assistance adjusting irrigation timer.
Water Conservation Help- Matt	August 31. 2015	Customer on Barrett Hill Circle asked for help reducing usage.
Water Conservation Help- Matt	August 31. 2015	Customer on Marcy Ranch Rd. asked that property be checked for leaks.

WUE Materials		
EOCWD Website Redesign	July, 2015	Communications LAB staff finalized EOCWD YouTube page with customized water conservation videos. Front page of website was redesigned to ease navigation; Twitter feed added as well as link to FaceBook page.
Drought Social Media/Print Messaging Efforts		
FaceBook	August, 2015	Site is updated on a weekly basis by Communications Lab staff and EOCWD staff.
Twitter	August, 2015	Twitter activity is maintained by CommunicationsLab staff providing content.
EOCWD Drought Page on Website	August, 2015	Work on redesign of the drought page to add more resources and links is continuing.
Foothill Sentry Ad	July, 2015	For August, the District began implementing the "What have you done to save water today" theme, including a scoreboard in the ad showing that we met our mandate for both June and July so far.
Customer Rebate Activities		
Groundwater Replenishment System (GWRS) Credits		

MWDOC/OCWD	August 30, 2015	<p>The GWRS production allocated to EOCWD can be reported as Indirect Potable Reuse (IPR). For the month of August, EOCWD showed an IPR credit of 24.7 acre feet (equivalent to 8 million gallons or 38% of the RZ's August demand) that was sent to GWRS by sewer customers in the RZ for eventual reuse through the groundwater wells. This number represents "new" water that wasn't imported.</p>
------------	------------------------	---

MEMO

TO: BOARD OF DIRECTORS
FROM: GENERAL MANAGER
SUBJECT: GENERAL INTEREST PUBLICATIONS
DATE: SEPTEMBER 17, 2015

Background

Attached to this memo is a copy of information pertinent to current events in the water industry:

- *"Who owns California's Water? Gold Rush-era laws cripple state's water system" Kurtis Alexander, San Francisco Chronicle, 9/14/15*
- *"Drought is no reason to ease environmental protections, California voters say" Bettina Boxall, Los Angeles Times, 9/11/15*

Recommendation

Information only; no action required.



San Francisco Chronicle

Local

Who owns California's water?

Gold Rush-era laws cripple system

Story by Kurtis Alexander | Photos and video by Leah Millis





management of California's most precious resource, as state officials try to divvy up and stretch dwindling supplies in rivers and creeks amid a fourth year of drought.

Gold Rush-era seniority laws are allowing a few thousand farms, corporations and public agencies to

RUNNING DRY



5 fixes for California's age-old water-rights system



gulp away with little accountability for how water is used, while others have been cut off entirely. Attempts to curb these privileged users have been met with lawsuits.



How age-old water system has dried up hay grower's fields



Drought leads to thefts of Native American treasures

San Francisco's history offers a window into how the rights system may have succeeded in allocating flows in California's waterways a century ago, but has since become something of an albatross. Once thought immune to restrictions, the city now faces the threat of losing water as sparse supplies are reserved for those with even more senior claims.

This summer, state regulators **told the city to stop drawing from a stream that serves Camp Mather**, a 91-year-old family retreat above the Tuolumne River. They warned that flows to the Hetch Hetchy Reservoir, which serves 2.6 million people, may be next.

The state's unprecedented cutbacks this year — a methodical march down the ranks of water rights, still based on who got in first — have underscored the need to re-evaluate the way water is doled out. Even if **El Niño rains bring drought relief**, hotter and drier periods are likely in

the future. And the inequities of the water system aren't going to disappear.



Critics say those who dip into California's rivers and creeks need to be better measured and regulated. Some even suggest overhauling who gets dibs.

"We have a system designed to allocate water in a newly settled land," said Leon Szeptycki, executive director of Stanford University's **Water in the West** program. "It's not the solution to our problem now."



Photo: Leah Millis, The Chronicle



Houseboats float silently as the sun sets at New Don Pedro Reservoir, which currently is hovering at 32 percent of its total capacity.



Finders-keepers

When San Francisco set out to boost water supplies in the late 1800s, as its population exploded to 350,000 with the discovery of gold, there were essentially two ways to acquire water: purchase land next to a waterway, or stake a claim on one. Then-Mayor James Phelan chose the latter.

According to the book “The Greening of Paradise Valley” by historian Dwight Barnes, city leaders hired an engineer who had been fired by the water district in Modesto. He helped steer Phelan to the same water source as his former employer, the Tuolumne River — but farther upstream.

San Francisco's water supply at the time was limited to local wells and creeks.

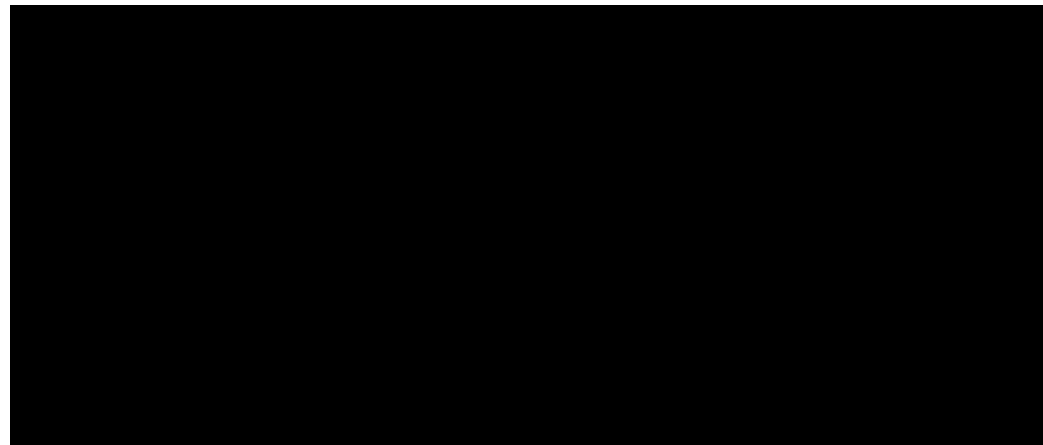
On July 29, 1901, Phelan laid claim to the upper Tuolumne, securing for the city the runoff of snow-capped Mount Dana and Mount Lyell. The claim was recorded in Tuolumne County, curiously in the mayor's name. Phelan, according to current city officials, wanted to hide San

Francisco's stake from water agencies downstream that wouldn't take kindly to their supplies being poached.



"There were people quite nervous about what San Francisco was doing on the river," said Steve Ritchie, a city water manager, as he recently drove the twisty road above the Tuolumne to Hetch Hetchy Valley, gazing out at pine and cedar forests. "Phelan just went off and did what he needed to. It was a classic case of act now and ask for forgiveness later."

The mayor's actions remained hidden for only so long. The city's plan to dam the river and build pipes and tunnels from the mountains to the bay was soon moving forward with fanfare. The famous opposition from naturalist John Muir, who didn't want to see a pristine valley sacrificed for municipal water, sparked the nation's first big environmental fight.



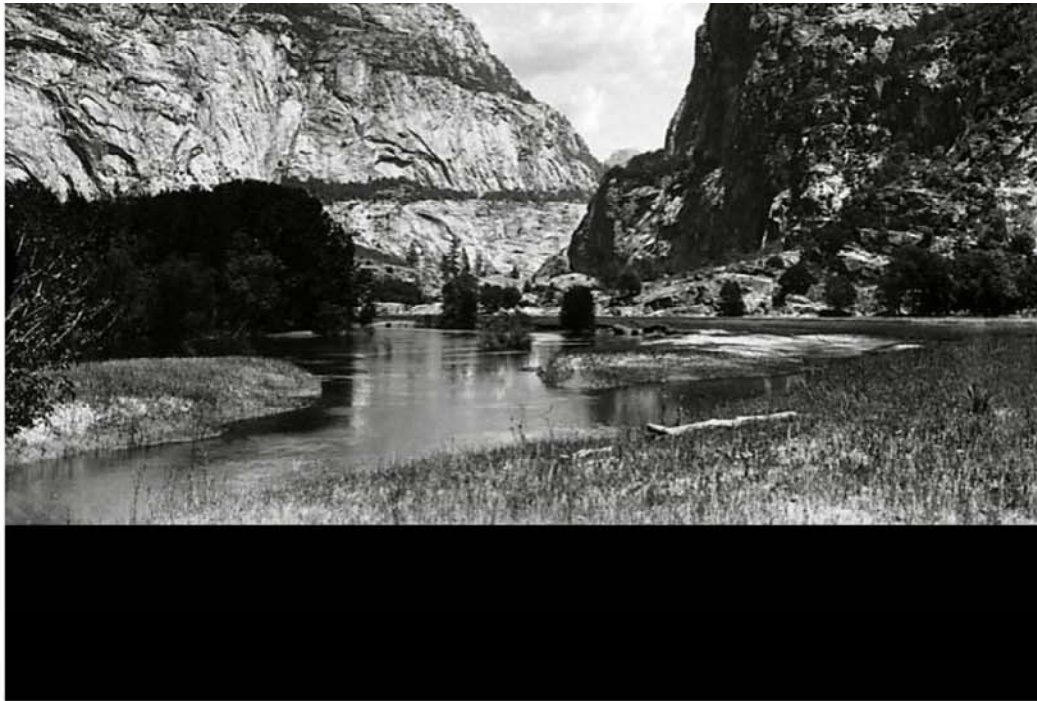


IMAGE 1 OF 7

This photo shows Hetch Hetchy Valley in Yosemite National Park sometime before 1913.

Turlock, Modesto in deal

However, in a foreshadowing of battles to come, the greatest hurdle for the city turned out to be the farms and households downstream. To that

end, city officials agreed to provide steady flows to Turlock and Modesto.



With an effective lobby in Washington, D.C., and an American public sympathetic toward San Francisco after it burned in the 1906 earthquake, the city got the go-ahead for Hetch Hetchy Reservoir from President Woodrow Wilson in 1913.

After stepping on a boat to cross what today is an 8-mile-long lake tucked in a granite canyon, Ritchie admired the snowmelt that poured from one of the continent's tallest waterfalls into Hetch Hetchy.

"I look up at the walls," he said, "and I think, 'We've got all that (beauty) and a reservoir, too.'"





Photo: Leah Millis, The Chronicle



Bob Slater, a dam tender, checks out the sheer granite cliffs above the lake as he pilots a boat for a media tour on Hetch Hetchy Reservoir.

Perks of membership

Mayor Phelan couldn't have known it, but he established San Francisco as one of more than 4,000 parties today with senior water rights, a special class that remains mostly free of state oversight even as others face drought restrictions.

The status covers those with claims staked before state water regulation was introduced, known as a pre-1914 water right, as well as those who own land next to a river or creek, known as a riparian right.

California law leaves these users free to take whatever water they've historically taken. In times of shortage, others are cut off to protect the senior supplies. Exactly how much water senior rights holders are entitled to remains a mystery — many have never had to submit proof of claims.

“Because it’s not in the water code, I can’t specifically ask for it,” explained Bob Rinker, a water rights supervisor for the **State Water Resources Control Board**. “If they don’t provide it, they don’t provide it.”



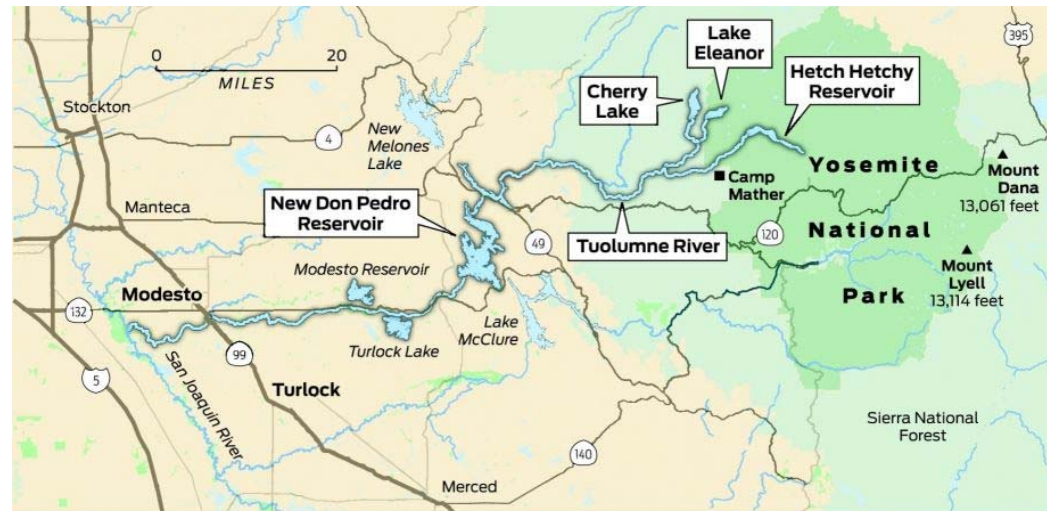
Senior rights holders range from individuals who inherited claims from pioneer ancestors to farms, businesses and water agencies that acquired vast land holdings.

It wasn’t until 2010 that the state began forcing them to report the amount of water they draw. Still, the reports were required only every three years and consisted largely of estimates, not measurements from gauges. The figures — which will be collected annually starting next year — are self-reported and have been full of errors.

“We have situations where someone is reporting in gallons but checked the acreage box,” Rinker said. “We’re going to be looking at those things in the near future.”

As the drought has browned lawns, fallowed farmland and spurred mass groundwater pumping that’s **causing parts of the Central Valley to sink**, the lack of accounting has highlighted a fundamental problem: Policymakers compelled to order cuts don’t know how much water is being taken from rivers and creeks.

“You can’t manage what you don’t measure,” said Ellen Hanak, a senior fellow at the **Public Policy Institute of California** who specializes in water. “California is really behind other states and other countries with similar kinds of climate in regards to information systems and measurement. We need to jump into the 21st century.”



John Blanchard / The Chronicle



Winners and losers

What is clear is that San Francisco has made out better than most. In the sprawling Sacramento and San Joaquin river watersheds, which span the Central Valley and the Sierra and southern Cascade ranges, the city

ranks among the biggest users of water drawn on senior claims, according to state records.



Historical rights allow the city to serve 850,000 residents as well as some two dozen Bay Area communities, which provide water to another 1.7 million residents. In addition, the city uses water to generate electricity for municipal buildings and San Francisco International Airport.

The price? A \$30,000-a-year lease payment to the National Park Service, which oversees Yosemite's Hetch Hetchy.

Just a couple of hours' drive from the reservoir, up a dirt driveway in the Central Valley, alfalfa grower Don Vaca can't help but think the situation is a bit unfair.

While senior rights holders are allowed to continue drawing water during the drought in the Sacramento and San Joaquin river basins, most others, including Vaca's water supplier near Tracy, have been cut off. That's left his 140-acre farm without river water to produce hay.

"Nobody wants to take any water rights away from anyone else, but you got to wonder why some don't have to do more," said Vaca, a third-generation farmer who sells his harvest at a feed store in his barn. "I don't think there's animosity, but there is class envy."

While Vaca's water provider has not fared well this year, other agricultural suppliers have. Water agencies serving farmers account for eight of the top 10 users of water drawn on senior claims in the Sacramento and San Joaquin river basins, alongside San Francisco and Pacific Gas and Electric Co., the latest records show.

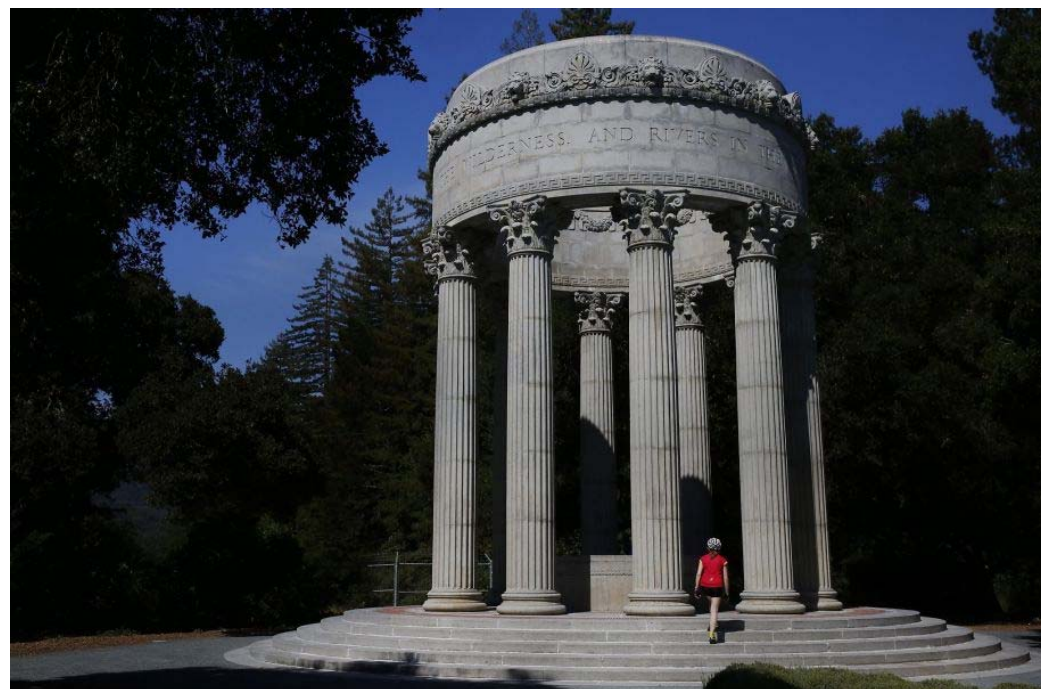


Photo: Leah Millis, The Chronicle



Becky Conner wanders into the Pulgas Water Temple in Redwood City, built at the end of the Hetch Hetchy Aqueduct.

Top 10 get over 50%

These top 10 users account for more than half the water drawn on senior claims, according to the records.



Critics say it's unfair to let these parties take so much water with so few constraints, especially when those who have been cut off may have been using the water for an arguably equal or better purpose.

“Are we, as a society, really going to tell customers that their urban water supplies are going to be shut off so we can grow rice?” asked Richard Frank, director of the California Environmental Law and Policy Center at UC Davis. “If there's anything we need right now, it's perspective.”

The extent to which California's water supply is pinched is highlighted in a UC Davis study that suggests rivers and creeks, in an average year, contain as little as a fifth of the water that rights holders have claimed.

While more than two-thirds of California's water has historically come from surface supplies, the drought has pushed that figure down. Farmers and others have increasingly turned to groundwater, which is not regulated by the state.





Photo: Leah Millis, The Chronicle



A woman strolls down a hill in view of the University Mound Reservoir, which is one of the reservoirs where San Francisco stores water in various neighborhoods. This one is in the Portola district.

Drought changes game

San Francisco's position in the hierarchy of water rights has been enviable for decades. But the advantage is eroding during the drought, first because the commitments the city made to communities downstream came back to haunt it.

The late Central Valley congressman John Raker, who sponsored the legislation authorizing Hetch Hetchy Reservoir in 1913, established terms with San Francisco to protect his constituents along the Tuolumne

River. His signature Raker Act requires the city to send a fixed amount of river water to the Turlock and Modesto irrigation districts.



During most years, there is plenty of water for San Francisco to keep a share. But the river was so depleted this year — and last — that the city was left with less water than it needs to serve the Bay Area.



San Francisco has a backup plan for such deficits. It draws on a reserve at New Don Pedro Reservoir, run by Turlock and Modesto, downriver of Hetch Hetchy. The city stashes surplus water there during wet years, which it uses to fulfill its obligations to those communities.



However, after relying on this 570,000-acre-foot cache to serve Turlock and Modesto during the drought, the reserve dipped to less than 20 percent this summer. An acre-foot of water can supply one to two California households in a year.

Without water in Don Pedro, the city will be back to using river water to supply the communities. And if the river doesn't yield enough for San Francisco to get a share, like the past two years, Hetch Hetchy levels begin to fall.

San Francisco officials say there's enough water at Hetch Hetchy to meet Bay Area needs for about two years should the city not be able to take in more water — much less than the nearly seven-year buffer the

city strives to keep. Eighty-five percent of San Francisco's water supply comes from the Sierra.



"We're suffering like everyone else," said Tyrone Jue, a spokesman for the [San Francisco Public Utilities Commission](#).



Despite seeing strong conservation from residents, the city began asking more senior water suppliers this summer if they want to sell water, but there haven't been takers. In the meantime, the city has fast-tracked a number of projects aimed at boosting supplies, such as pumping local groundwater. It's even discussing building a desalination plant with other Bay Area agencies.





Photo: Leah Millis, The Chronicle



Water is released from O'Shaughnessy Dam, built to create Hetch Hetchy Reservoir, which opened in 1923.



Defying state orders

San Francisco's supply problem is intensified by the state's emerging crackdown on senior water rights holders.

After telling the holders of about 9,000 junior rights in the Sacramento and San Joaquin river watersheds to stop drawing water the past two years, regulators in June took the extraordinary step of **extending the campaign to about 300 senior rights**. According to the state, the watersheds don't have enough water for anyone with claims made after 1902.

The move restricted San Francisco's water right at Canyon Ranch Creek, which serves the city-run Camp Mather. It's one of about 50 rights in the Sierra that the city obtained after Hetchy Hetchy.

The city has so far ignored demands to stop pumping to the camp, contending that the claim on the creek is older than the state thinks it is. Regulators said last week they're still investigating the city's position.

The state water board also says restrictions are likely to continue down the ladder of water rights to San Francisco's 1901 claim at Hetch Hetchy.



Such a curtailment, at least initially, would not have a big effect on the city's water supply. The city can keep the 300,000 acre-feet of water now in the 360,000-acre-foot reservoir, forfeiting only what flows in after any order. Runoff into Hetch Hetchy during the dry summer and fall months is generally light.

But city officials cite the principle of the matter. They say San Francisco has invested heavily in its position in the hierarchy, spending hundreds of millions of dollars on Hetch Hetchy infrastructure. They worry the directive could stick, even when wetter weather arrives, or worse become routine in future years.

San Francisco's opinion — that the state doesn't have the authority to restrict senior rights because they predate regulation — aligns the city with several agricultural water agencies that are **making the same case in lawsuits**.





Photo: Leah Millis, The Chronicle



A man rides his bike past terminal University Mound Reservoir in San Francisco.

State stands firm

State officials are resolute. They argue they have not only the power to enforce water rights, but the responsibility.

“We’re in a time of severe shortage,” said state water board attorney David Rose. “The board is trying to help diverters know what the situation is so nobody takes water that someone else is entitled to.”

While the extent of the board’s power remains uncertain, the legal turbulence is another blow to the water rights system.

“It would be nice if we had a system where it was clear what we need to do in emergencies and we didn’t have to fight over it,” said Peter Gleick, president of the **Pacific Institute** in Oakland, which advocates for sustainable water policy. “The drought has made clear that we’re short of water, not short of water lawyers.”

Kurtis Alexander is a San Francisco Chronicle staff writer. E-mail: kalexander@sfgate.com Twitter: @kurtisalexander



Photo: Leah Millis, The Chronicle



Sofia Danielle Meleen, 4, carries Rose into the water with her as she plays with family in the swimming lagoon at Don Pedro Reservoir, where San Francisco stashes water during wet years, as it hovers at 32 percent of its total capacity.

What are water rights?

The water in California's rivers and streams is allocated based on a hierarchy of rights. The holders of 30,000-plus claims include individuals, farms, corporations and public agencies. In times of short supply, those with the most senior rights are generally permitted to continue drawing, while less senior users are subject to cuts.

Riparian right: Those who own land along a river or creek are entitled to tap the waterway. These are the most senior water users. Riparian rights have been in place since California adopted English common law upon statehood. They don't allow users to store water, just divert it to meet immediate needs.

Pre-1914 appropriative rights: Since most people don't own land along a waterway, the state allows people to acquire water rights on rivers and creeks, then pipe the water off. Rights staked before 1914, when California began requiring permits for draws, are generally free of

regulation and allow rights holders to divert and store water in the amounts originally claimed. The system follows a principle known as “first in time, first in right.” The right was determined by actual use — and maintained by continuing use.



Post-1914 appropriative rights: Since 1914, the right to draw water requires approval from the state. Post-1914 permit holders, also known as junior water rights holders, are the first to be restricted in dry times.



Kurtis Alexander

Reporter



HEARST *newspapers*

© 2015 Hearst Corporation

Drought is no reason to ease environmental protections, California voters say

By **BETTINA BOXALL**

SEPTEMBER 11, 2015, 3:00 AM

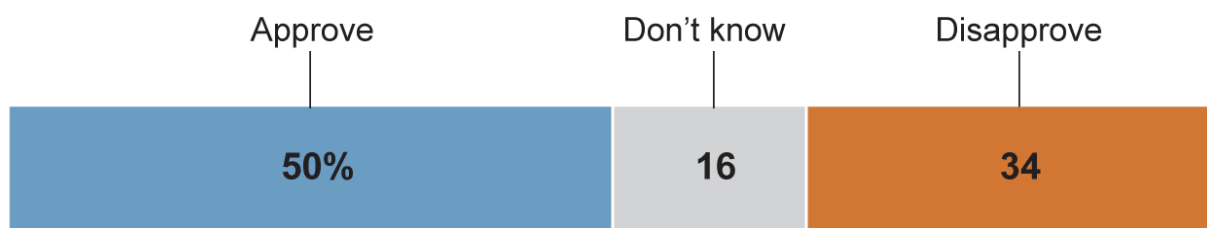
After four parched years, most California voters seem to be taking the drought in stride, saying it has had little to no effect on their daily lives. They oppose sacrificing environmental protections to expand water supplies and generally approve of how Gov. Jerry Brown has handled the crisis, according to a new statewide USC Dornsife/Los Angeles Times poll.

While a majority of respondents opposed easing environmental restrictions, voters strongly favored other approaches to boosting supplies, such as water recycling, capturing storm runoff and increasing groundwater storage.

[The poll results](#) suggest that California has proved remarkably resilient during one of the worst droughts on record — one that prompted Brown to impose the state's first-ever mandatory restrictions on urban water use.

The mandate this spring didn't hurt Brown. Approval ratings of his handling of the drought rose to 50% from 39% in May 2014.

Do you approve or disapprove of the job being done by Jerry Brown on water and drought issues?



Source: USC Dornsife/Los Angeles Times poll

Lorena Elebee / @latimesgraphics

The USC Dornsife College of Letters, Arts and Sciences/Los Angeles Times poll, conducted by telephone Aug. 29-Sept. 8, found that a vast majority of California voters consider the drought a crisis or major problem. Yet despite brown lawns, idled cropland and plummeting reservoir levels, only 35% said their daily lives had been seriously affected.

They spread around the blame for the state's water supply problems: Foremost, they cited a lack of rain and snow, followed by old delivery systems and insufficient storage, people using too much water, growth, climate change, environmental regulations and agricultural use.

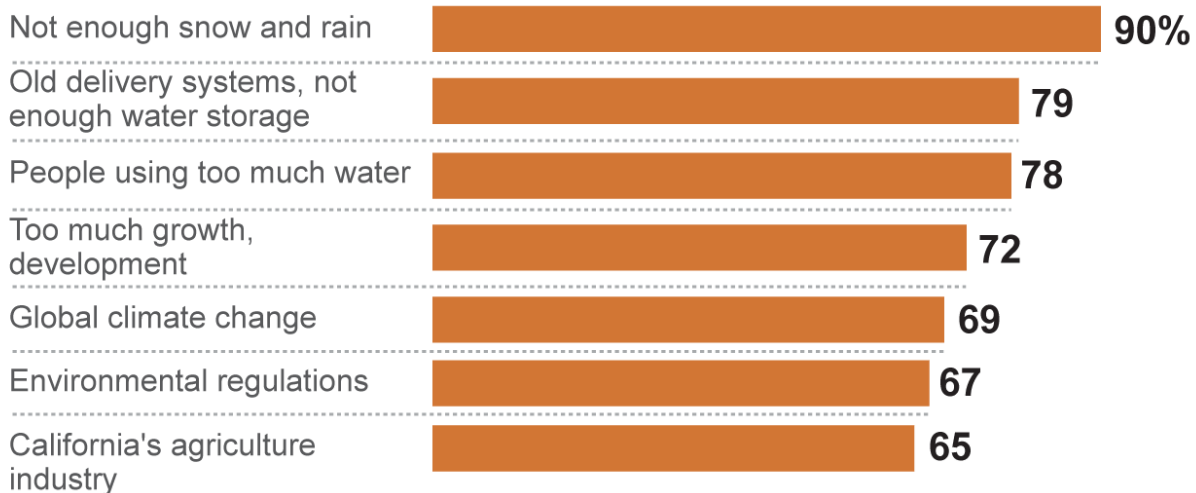
Water and Power is The Times' guide to the drought. Sign up to get the free newsletter >>

When it comes to solutions, recycling, capturing storm runoff, storing water in aquifers and seawater desalination were the most popular, garnering at least 80% support. Building new dams and reservoirs was backed by 69%.

The least favored approaches were increasing water rates to encourage conservation, supported by 38% compared with 44% a year ago, and suspending environmental protections for fish and wildlife, advocated by 42% compared with 36% a year ago.

What is responsible for California's water supply problems?

Very or somewhat responsible:



Source: USC Dornsife/Los Angeles Times poll

Lorena Elebee / @latimesgraphics

"Voters are looking for all of the above solutions as long as all of the above solutions do not raise costs for them personally," said Republican pollster David Kanevsky of American

Viewpoint, which conducted the bipartisan survey of 1,500 registered state voters with the Democratic firm Greenberg Quinlan Rosner Research. The margin of error is plus or minus 2.8 percentage points, higher for subgroups.

"Given all the investments they want to make to ensure long-term water supply, the job for elected officials is to understand the investments in essence will raise costs," Kanevsky added.

[See the most-read stories this hour >>](#)

The prolonged drought has highlighted the fact that roughly three-quarters of Californians' water use is by agriculture, which also holds many of the oldest water rights in the state.

Criticized by some for leaving agriculture out of the water-use restrictions issued this year, the Brown administration has pointed out that federal irrigation deliveries were slashed to zero in some parts of the Central Valley for two years in a row. Growers also have had to absorb the expense of drilling new and deeper wells to make up for lost deliveries.



But the poll found a growing backlash against agriculture's enduring thirst. The percentage of voters who said farmers should be required to reduce their water use jumped to 53% from 37% a year ago, a shift that Greenberg pollster Drew Lieberman called "huge."

"People are now in a place where they look around and say we're doing our part.... It doesn't necessarily look like there's an end in sight, and it's time for other people to step up," he said.

Mark Woo, 52, a public policy consultant, was among those survey respondents who support cuts to farmers.

"What can the state sustain between urban use, agricultural use and environmental use?" he wondered.

He isn't just pointing a finger elsewhere. In the last year, Woo said, he, his wife and two teenage sons have pruned their daily household water use to less than 30 gallons per person.

Interested in the stories shaping California? Sign up for the free Essential California newsletter >>

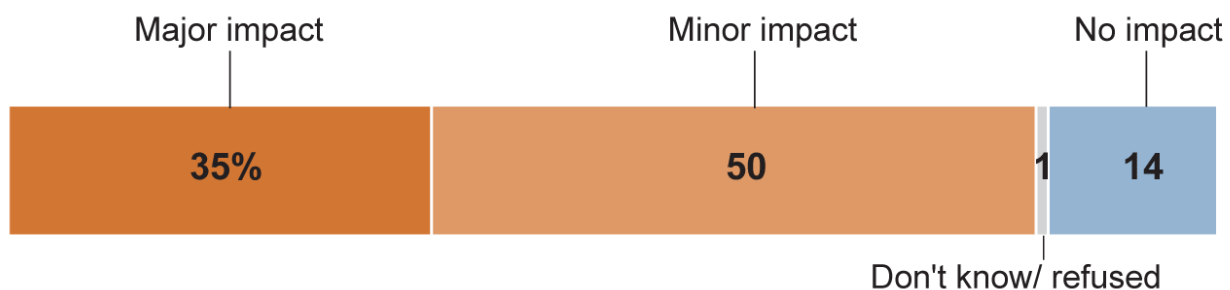
The family's small lawn in the Bay Area community of Kensington is dead. Woo keeps his shrubs and trees alive with water from the bathtub and shower.

"I know I'm well below what I'm required and expected to do," he said. "But I really feel if we can ... try and do as much as we can, it's so important because in the long run, preserving water for the environment is really key as opposed to me watering my yard."

Given a choice between protecting the environment at the expense of water supply or ensuring water supply even if that damages the environment, 50% of those polled favored the environment and 34% picked water supply.

The percentage of those who said the drought had seriously affected them and their families rose to 35% from 22% a year ago and 16% in May 2014. The percentage who said it had a minor impact remained essentially flat at 50%.

How much daily impact has the drought had on you and your family?



Source: USC Dornsife/Los Angeles Times poll

Lorena Elebee / @latimesgraphics

"I don't know that going from taking a seven-minute shower to a five-minute shower qualifies as a major impact, or not having showers at the beach when you come off the sand," Lieberman said. "People are still able to drink, they're still able to get clean."

When it comes to El Niño's chances of busting the drought this winter, California voters were hedging their bets: 36% said it would help a lot and 42% said it would help a little. Another 7% said the weather phenomenon would make no difference to the state's water shortage or would even worsen it.

bettina.boxall@latimes.com

Twitter: [@boxall](https://twitter.com/boxall)

For more political news, go to www.latimes.com/politics.

Methodology: The USC Dornsife College of Letters, Arts and Sciences/Los Angeles Times poll of 1,500 registered state voters was done by telephone Aug. 29-Sept. 8. The bipartisan survey was conducted by Greenberg Quinlan Rosner Research, a Democratic company, and American Viewpoint, a Republican firm. The margin of error is plus or minus 2.8 percentage points, and is higher for subgroups.

MORE ON CALIFORNIA DROUGHT

[Almonds are no longer villains — or scapegoats — of the drought](#)

[Salinas Valley's thriving crops mask fears over the area's lone water source](#)

[Less water might be plenty for California, experts say, and conservation is only the start](#)

Copyright © 2015, Los Angeles Times