May 18, 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, **May 21, 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 .16

AGENDA

EAST ORANGE COUNTY WATER DISTRICT
(EOCWD)

Thursday,
May 21, 2015
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 April 16, 2015 Meeting** (Exhibit "**B**")

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

   A. 2015 consumer confidence report (Exhibit "**C**")

      Recommended Motion**:** "THAT THE 2015 WATER QUALITY REPORT BE RECEIVED AND FILED"

   B. Personnel policy changes (Exhibit "**D**")

      Recommended Motion: "THAT RESOLUTION NO. ___ BE ADOPTED, ENTITLED 'RESOLUTION OF THE BOARD OF DIRECTORS OF EAST ORANGE COUNTY WATER DISTRICT RESCINDING RESOLUTION NO. 748 AND ADOPTING REVISED PERSONNEL POLICY'"

(Next available Resolution No: 753)

C. Strategic planning update (Exhibit "**E**")

Recommended Motion: [AT ADJOURNMENT OF THIS MEETING, ADJOURN TO MAY 29, 2015, 8:00 a.m.]

7. Financial Matters

A. Approval of schedules of disbursements (Exhibit "**F**")

B. Report on investments/ ratification of investment activity (Exhibit "**G**")

C. Receipt and filing of financial statements (March 31) – (Exhibit "**H**")

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"

D. Orange County Water District and Municipal Water District of Orange County FY 2015-16 budgets (Exhibit "**I**")

E. Annual review of investment policy and delegation of authority to effect investment transactions (Exhibit "**J**")

Recommended Motion: "THAT RESOLUTION NO. ___ BE ADOPTED, ENTITLED: 'RESOLUTION OF THE BOARD OF DIRECTORS OF THE EAST ORANGE COUNTY WATER DISTRICT APPROVING INVESTMENT POLICY AND AUTHORIZING THE TREASURER TO INVEST FUNDS'"

F. Audit - Statement of Auditing Standards (SAS) No. 114 - letter from the auditor communicating the auditor's responsibilities (Exhibit "**K**")

8. Miscellaneous Matters

A. Reports from committees and representatives to organizations

B. Directors' reports on meetings attended

C. Local sewer service transfer (Orange County San #7 reorganization) - status report (Exhibit "**L**")

D. Wholesale and retail water usage report (Exhibit "**M**")

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

E. Drought response report (Exhibit "**N**")

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

9. Informational Items

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

10. Closed Sessions

A. Closed session – conference with legal counsel – anticipated litigation – initiation of litigation pursuant to Government Code Section 54956.9(d)(4) (two potential cases)

11. Adjournment

The scheduled date of the next Regular Meeting of the Board of Directors is **June 18, 2015**, at 5:00 p.m., in the offices of the East Orange County Water District, 185 N. McPherson Road, Orange, California

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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

May 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 –The AT&T contractor completed installation of the fiber-optic cable on May 1st. There are some clean-up items that still need to be taken care of as well as the testing and certification of the new cable. This work will be completed the week of May 18th. Following acceptance of the cable, staff will have security consultant finish installation of the system.

B. Master Plans and Treatment Plant Feasibility Study Update

Master Plan Status:

1. Preliminary system modeling work has been completed.
2. Preliminary Capital Improvement Program information has been prepared and submitted for use in the 2015/16 budget as well as the rate study analysis.
3. CIP Workshop held on May 5th and detailed review performed on12 Wholesale Zone and 48 Retail Zone capital projects spanning a 25-year (2015-2040) time period. The draft projects total $24.5M (WZ: $7.1M and RZ: $17.4M).
4. Cost estimate for the repairs of the Peters Canyon Reservoir Roof is being prepared.
5. V&A Consulting Engineers will start corrosion analysis of three reservoirs (11.5 MG, 1 MG, Barrett) and WZ pipelines.
6. Workshop with Engineering Committee regarding draft CIP will be held on June 16th.

WTP Feasibility Study:

1. Conceptual design work is continuing; finalization of design expected by end of May.
2. Carollo staff will be meeting with City of Santa Ana staff to discuss any interest they might have in purchasing water from the WTP and/or capacity in the 11.5 Reservoir.

C. WZ Connection Permits

Two permits were issued – 12105 Red Hill Avenue, Tustin (residence), and 12791 Panorama Crest, Santa Ana (residence).

RETAIL ZONE

1) Well / Booster Station Operations

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

OCWD Coastal Pumping Transfer Program (CPTP) Participation – Beginning in May 2014, the RZ has been participating in the CPTP, a program that has coastal producers pumping below the Basin Production Percentage (70% of their demand) and some inland producers pumping above the BPP so that the net basin pumping is neutral. The CPTP is designed to reduce water losses to LA County as well as the gradient that encourages seawater intrusion. MET has been storing 44,000 AF of water in the Orange County Groundwater Basin and now wants to use it – this means that additional pumping will be required by other inland pumpers over and above the 70%, because the agencies that have been participating in the CPTP can't meet the additional demand. The RZ participation means that we will pay $115/AF less for MET water due to incentives from OCWD and the mitigation value that additional pumping will have on the MET Ready-to-Serve Charge.

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 steading last month at 282 feet (below ground surface).

2) Water Smart Home Certification Program

MWDOC is asking all member agencies to continue promoting the program in an effort to increase participation, particularly in light of Governor Brown's emergency water reduction executive order.

The District has 20 customers participating in this MWDOC sponsored program; this is unchanged from November 2014. The customers apply online to have a home inspection performed by the Mission Conservation District (MCD). The customers, located on Circula Panorama, Crawford Canyon Road, Miriam Place, Panorama View, Via Aventura, Via Del Cerro, Barrett Lane, El Roy Drive, View Ridge, St. Jude, Daniger Road, Greenwald Lane, Carmel Way and Kassy Drive met with District and MCD representatives between November 2013 and July 2014 to go through each interior and exterior plumbing fixture and evaluate their water efficiency.

Eighteen customers have received a water use report with recommendations on how to make their home water efficient. In order to achieve a Water Smart Home certification, the customer must have an efficiency score of 100. The high possible score is 120 which will give the home Gold certification status. The scores so far have ranged between 40 and 71 points. The customer then has 90 days to implement the recommendations and provide proof to MWDOC by providing invoices, receipts, and photographs. If all program criteria are met, the homeowner will receive a certificate stating that their home has been certified as being water efficient.

3) System Leaks

On Thursday, April 17th, Staff discovered a service lateral leak on Circula Panorama while reading customer meters. A repair clamp was installed on the 1" copper service line.

On Tuesday, April 28, staff responded to a reported possible leak on Alexander Lane. A homeowner informed staff that a small amount of water was coming into his garage. The District owns and operates a 1951 8" steel water line which runs along the north side of the customer's house. The previous owner of this property constructed a retaining wall and patio over the pipeline sometime in the late 80s or early 90s.

Staff determined that there was a small leak on the main and attempted to locate it. However, due to the construction that was performed over the main, locating and repairing the leak would have been extremely difficult and expensive and require extensive disturbance to the extensive improvements the customer had constructed. Earlier this year, staff made a repair on this same section of main. Because of the liability concerns and the inability to get to the water line, staff made the decision to expose the pipeline at both ends of the property and to cut, cap, and abandon this 80 ft. section of pipe. As part of that decision, ID Modeling performed a hydraulic analysis to determine the criticality of this pipe, and determined that it could be abandoned without a significant impact to fire flow in the area. As part of this project, staff also relocated 2 service laterals, raised the new piping 3 feet from a depth of 7 feet and replaced a fire hydrant assembly that had been connected to the now abandoned section of pipe.

On Tuesday, May 12, staff responded to the report of a leak on Shepard Way. Staff determined that there was a leak on the ¾" copper service lateral within the concrete driveway approach before the meter. A new 10 ft. section of copper was pulled through from the street to the meter and reconnected.

Anecdotally, we have noticed a substantial increase in system leaks since the beginning of August when the increased drought awareness and public outreach began; this appears consistent with what other agencies are experiencing also. As realized during the 2009-2011 drought, system use patterns may be changing (watering on one day per week during the same time of the day as neighbors) and it may be stressing the system. We are noting this information for the condition assessment/hydraulic element of the Master Plan Study, so that the engineers can assess the long-term impacts on the system and suggest operational changes and/or effective capital improvements to mitigate these impacts.

4) **Water Availability Request/Connection Permits**

A connection permit was issued for a residence at 12791 Panorama Crest.

5) **Emergency Preparedness Activities**

On April 7th, the District participated in a test of AlertOC's (Reverse911) capability, capacity and effectiveness at delivering emergency notifications from Orange County water districts to the public in advance of a major disaster. Instead of a typical "test" message, all water agencies used a "drought" message, asking customers to cut their water use by 25%. This first use of the Alert OC system in the District's service area was successful – calls reached 63% of the District's customers (which was a relatively high percentage compared to other districts/cities).

Joint System (WZ & RZ) Activities

A. Drought Report

Please see related agenda item; this item will be included as a standing report until the drought emergency regulations are rescinded.

B. Monthly Operations Activities

- Repaired service lateral leak on Circula Panorama
- Cut, abandoned 80 ft. section of 8" steel main on Alexander Lane, relocated 2 service laterals, installed new fire hydrant assembly, and put back customer deck.
- Repaired service lateral leak on Shepard Way.
- Installed new 1.5" service on Panorama Crest.
- Met with County to review guard rail project on Panorama Heights.
- Met with Carollo Engineering to review CIPs.
- Met with ID Modeling to review upcoming additions to SEDARU.
- Met with AT&T Contractors to review completed fiber optic cable installation work.
- Met with IRWD to test new meter at Jamboree.
- Reviewed Annual Water Quality Report.
- Meter Disconnects (5) – Crawford Canyon, Circula Panorama, Winwood Lane, St. Marks, Hewes Ave.
- Meter Connects (4) – Winwood lane, Vista Panorama, Smiley Drive, St. Marks.
- High Bills (3) – Cresthaven Lane, Lemon Hill, Media Panorama.
- Meter Changeouts (9) – Panorama Crest, Vista Panorama, Alexander Lane, Winwood Lane, Country Haven, Old Foothill, Villa Del Cerro, Martin Lane, Fairhaven Ext.
- Customer Leaks (7) – Alexander Lane, Panorama View, County Lane, Old Foothill, Barrett Lane, Kassy Drive, St. Marks Drive.
- Conservation Workorders (meeting with Customers) – (4) Media Panorama, Stoller Lane, Fairhaven Ext., Miriam Place.
- Final Reads – Crest Haven Lane, Foothill, Alta Panorama, Circula Panorama, Fishbeck Rd.
- Cleanup and organize shop
- Tested backup generators and emergency pumps at Daniger and Vista Panorama Sidehill.
- Reviewed new SEDARU programs with ID Modeling.

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

District Staff attended the following meetings:

A. **MWDOC Manager's Meeting – April 16, 2015**

Meeting Summary: 1) Governor's Executive Order & SWRCB Updated Emergency Regulations – Revised Draft Regulations are expected to be out by April 17th. It is anticipated that the SWRCB will focus on results oriented compliance (agencies followed their rules); local agency can decide how they are going to achieve reduction. 2) MET & MWDOC Drought Allocations – MET Board approved a Level 3 allocation (15%) as MET still has large storage reserves; they will review this action at their December meeting. 3) Drought Messaging & Talking Points – MWDOC has supplied updated talking points that include quantification of investments in water efficiency; also posted on MWDOC web site. MWDOC wants to develop a unified message on drought conservation on a countywide basis and is setting up weekly Wednesday afternoon meetings to develop messages. 4) MWDOC Draft FY 15/16 Budget – The proposed MWDOC budget is up 1.29%. 5) Revised MWDOC Administrative Code – Proposed revisions are going to the MWDOC Administration and Finance Committee next month – MWDOC staff will send out information on the code changes prior to MWDOC Board action. 6) Upcoming Meetings – April 29th meeting will focus on drought and MWDOC proposed budget; May 15th is the Water Summit; July 29th is the Water Policy Dinner featuring Felicia Marcus.

B. MWDOC – Drought Executive Order & Messaging - April 22, 29, May 13, 2015

Meetings Summary: MWDOC agencies reviewed the revised SWRCB listing and draft regulations; discussion was held on joint messaging; initially couldn't agree on two day per week watering message. After several meetings, MWDOC is developing following: a) Working with Caltrans and other electronic signage to encourage "do your part to save water;" b) Developing a 3 minute presentation on the drought for City Councils/Boards; c) providing local newspapers with stories about how agencies are working to achieve drought cutbacks; d) wrapping two OCTA buses with "Do your part to save water" message; e) providing conservation printed materials; f) developing artwork for use on local agency signage, vehicle magnets, etc.

Funding for the Turf Removal Program has run out; the MET Board will not renew the program unless caps are included in the program. MET Board will consider $150M program for FY 2015/16 under revised cap program; further funding increases mean increase to MET rates: every $100M =

7% rate increase. Applicants will be advised that we are accepting applications, but none will be processed until new program is approved.

MWDOC is meeting with Orange County School District Maintenance Managers to discuss how they will meet mandate and to discuss common approaches/prioritizing landscape trees/plants for irrigation.

C. MWDOC Elected Officials Forum, April 29, 2015

Meeting Summary: 1) MWDOC's FY 2015/16 Draft Budget – the General Fund Budget is proposed to increase by $142,851 (2%). Starting this year, MWDOC will fully fund its core operations from the fixed meter charge; they will no longer add any charge to the MET commodity charge. 2) MET Drought Allocations – The poor Northern California precipitation history for Winter 2015 was reviewed – for the 4th straight year runoff was between 6-8 MAF (million acre-feet) below the annual average of 18 MAF. MET's Board approved a 15% allocation due to the amount of Colorado River Aqueduct supplies that are still available; they will revisit this determination in December 2015. 3) Governor's Executive Order – The MET allocation affects imported supplies only, not total water demand – these limitations are set under the Executive Order for each water agency based on GPCD to achieve the statewide average of 25%.

D. WEROC Regional Drought Training Workshop – April 30, 2015

Meeting Summary: WEROC regional training in concert with OC Fire and Sheriff's Departments, Office of Emergency Services (OES), local and state Department of Water Resources and local emergency response coordinators to discuss drought impacts to emergency services and potential impacts. It was noted that the lead agency for the drought is OES and discussion of declaring a local disaster (to recover drought-related costs) was explored; agencies were encouraged to document their costs in the event that a disaster is declared and costs are recoverable. Significant concerns were aired regarding the emergency regulations failure to recognize irrigation of buffer zones as necessary for areas subject to wildfire. Fire department was concerned about low levels in regional lakes and reservoirs for access to water for aerial firefighting assistance.

E. Finance Committee – May 7, 2015

Meeting Summary: 1) FY 2014/15 Budget Review – Staff reviewed the proposed WZ and RZ Capital Budgets with the Committee (the Operating Budgets were reviewed at the April 2nd Finance Committee Meeting). The proposed WZ CIP Budget totaled $2,547,500 and the RZ CIP Budget totaled $1,269,500. Staff noted that several proposed projects were developed as a result of the Master Plan study and the draft CIP that is being developed; the draft CIP had not been reviewed with the Engineering Committee yet, but the figures were placed in the budget as placeholders for potential projects. 3) MWDOC Budget – The MWDOC budget was noted to be increasing by 2%, and that MWDOC was shifting some Core Services to Choice, and that MET's Readiness-to-Serve Charge for EOCWD was increasing by 18%. 4) OCWD Budget – the Replenishment Assessment (RA) was increasing from $294/AF to $322/AF, a 9.5% increase. Budget Report, March 2014 – the impact of reduced water sales is beginning to affect District finances; WZ revenues are 5% below expected levels while RZ revenues are 9% below expected levels; consistent with the conservation rate being achieved.

F. Operations Committee Meeting – May 12, 2015

Meeting Summary: 1) County Guardrail Project (Vista Panorama) – The County has determined that the District's pipelines are not in the area of the guardrail project so there will be no impact to the District. 2) Leak Report – Staff noted that there continues to be an increased incidence of both main line and service leaks since the advent of enhanced conservation. 3) New Service – Panorama Crest – a 7,000 square foot home (2 inch connection) will commence water service in May. 4) April 7th Alert OC Drought Call After Action Report – The first use of the Alert OC system in the District's service area was successful – calls reached 63% of the District's customers (which was a relatively high percentage compared to other districts/cities). 5) Drought Emergency Regulations – SWRCB staff refused the District's request to be considered a small system and thus subject to a 25% reduction rather than the 36% mandated under the emergency regulations; staff is continuing to pursue this with upper level SWRCB staff. 6) East Well Pumping Water Level – Water levels have fallen over the last month by >5 ft; staff noted that water levels in the Santiago Pits are very low and will be submitting comments to OCWD on the 2015 Groundwater Management Plan regarding OCWD's operation of the Santiago Pits and sustaining well levels in areas tributary the Pits. 7) AT&T Fiber Conduit Installation – the conduit and fiber are installed and awaiting testing and acceptance by the District. 8) Jamboree Connection – IRWD has completed the work on the connection and will resume taking water by the end of the week. 9) WZ Water Use – Demand is running approximately 20% below April 2014. 10) Changes to Personnel Manual – Staff noted that state law was enacted requiring that part-time employees accrue one hour of sick leave for every 30 hours worked; it is not clear if full-time employees are subject to this requirement also – if so, this would be less than they currently accrue. Staff also reviewed a request that employees working in excess of 12 hours per day be paid double time, and that this rate be paid retroactively to employees starting from January 1, 2015; the Committee agreed to recommend this to the Board. 11) WZ/RZ Draft CIP – a first draft of the combined WZ/RZ CIP was presented to the Committee; projects totaling approximately $25M were identified over the 25-year period of the CIP.

G. OCLAFCO Meeting – May 13, 2015

Meeting Summary – 1) LAFCO Budget – the Commission approved the FY 15/16 LAFCO Budget; there will be no increase in EOCWD costs; the estimated $25,000 shortfall in Revenues v. Expenses will come from LAFCO reserves. LAFCO staff expects to increase rates over the next three years by 5%, 3.5% and 2%. 2) Legislative Report – OCLAFCO is very active in monitoring and supporting various bills; AB 402 would expand LAFCO powers generally, but may conflict with an OCLAFCO policy that allows the Executive Officer to review and approve out-of-area agreements unilaterally – the Commission voted to "watch" this issue. The Commission voted to "oppose" SB239 because it requires the approval of an employee association prior to a fire district being able to extend service outside of its service area – currently only a LAFCO has the power to approve this, thus the bill would undermine their authority. Interestingly, one of the reasons LAFCO is opposing this bill is that it removes decision making authority from the elected local board. 3) Quarterly Report – Staff reported that the EOCWD Sewer Transfer Focused MSR will be released for comment by May 21st and a community workshop will be held on June 18th, with the Commission hearing on July 8th. Due to the EOCWD Board Meeting being held on June 18th; staff has requested a change to the workshop date.

H. Groundwater Producers Meeting – May 13, 2015

Meeting Summary: 1) Discharge of Flushing Water: A request was made to determine if flushing water could be sent to OCSD (for eventual reuse through GWRS); OCSD staff indicated that user charges would normally be required by ordinance. An example agency with 3000 hydrants and an annual flush of 1000 gpm for 10 minutes would be charged about $80,000/year. It was noted that

the problem with flushing is that customers see it as a huge waste of water and OCSD could use the water. Mike Marcus will approach Jim Herberg about a fee waiver based on the drought situation. 2) Poseidon Update: OCWD have developed a recommended term sheet for the Board to consider approving at that night's meeting; they expected in excess of 250 attendees. 3) OCWD GWMPU – OCWD will include agency well data (excluding location) per DWR requirement; comments are due by May 20; OCWD Board will consider adoption in June. 5) Groundwater Remediation – OCWD staff presented information regarding cleanup of the North Basin under a Superfund agreement with EPA; the South Basin is considering a similar cleanup.

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

April 16, 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, April 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, DOUGLASS DAVERT, 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
SHAWN DEWANE	Raymond James Financial Services, Inc.

DRAFT

2. Public Communications to the Board. None.

3. Items Arising After Posting of Agenda. Ms. ARNESON said there was a need to discuss a newly filed case, naming the District as a real party in interest, in closed session.

ACTION TAKEN:

Upon a motion duly made, seconded and carried unanimously, it was determined that the need to take immediate action on the proposed closed session matter came to the District's attention after posting of the agenda and such item was added to the agenda.

4. General Manager's Report. Ms. OHLUND said she did not have anything to add to her written report. There were no comments or questions.

ACTION TAKEN:

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

5. Minutes.

ACTION TAKEN:

Upon a motion duly made, seconded and carried unanimously, the minutes of the meeting of March 19, 2015 were approved as submitted.

6. Operation, Management and Construction Matters.

A. Water Shortage Level Declaration. Ms. OHLUND made a presentation on the current shortage, including the Governor's executive order issued on April 1 and the subsequent actions of the State Water Resources Control Board to establish mandatory reductions for each water agency, based on gallons per capita per day, to achieve the statewide 25% reduction set forth in the executive order. She said the SWRCB's draft framework showed EOCWD with a 35% reduction target, but EOCWD met the criteria for a small agency that was not an urban water supplier, and should have a 25% target. The proposed allocation of Metropolitan Water District was also discussed. In light of the final action of the SWRCB to establish the reductions anticipated in early May, Ms. OHLUND recommended that the Level 2 shortage declaration be made under the District's ordinance, so that staff can begin implementing changes in the billing system to reduce allocations and pursue outreach efforts to inform customers of what will be required. CommunicationsLab has prepared a menu of outreach efforts. She also recommended the retention of "zanjero" services through a part-time employee position or shared services arrangement, to assist staff in working with customers.

ACTION TAKEN:

Upon a motion duly made, seconded and carried unanimously, Resolution No. 752 was adopted, entitled: "Resolution of the Board of Directors of the East Orange County Water District Declaring Water Conservation Level II To Be In Effect And Authorizing Implementation;" staff was authorized to retain "zanjero" services through a part-time employee position or shared services arrangement at a cost not-to-exceed $15,000; and the execution of Amendment No. 2 to the contract with CommunicationsLab was authorized, providing for targeted drought communications assistance for a six-month period at a cost not-to-exceed $30,000.

B. Rate Study Consultant Services.

ACTION TAKEN:

Upon a motion duly made, seconded and carried unanimously, a contract was awarded to Raftelis Financial Consultants in an amount not-to-exceed $35,000 to perform a water rates, fees and charges study.

C. Sewer Transfer Plan of Service. Ms. OHLUND reported that in addition to the necessary changes in the plan of service as mentioned in the April 11, 2015 meeting, it was necessary to amend the agreement with Orange County Sanitation District to provide for release of all funds up front rather than over time, to extend the term and to include further provisions regarding sewage collection.

DRAFT

ACTION TAKEN:

Upon a motion duly made, seconded and carried unanimously, the General Manager was directed to make revisions as needed to update the sewer transfer plan of service in accordance with most current technical and financial information and submit such revised plan to LAFCO, and to execute Amendment No. 1 to the Local Sewer Facilities Transfer Agreement.

D. Meter Charge Designation. Ms. OHLUND reported that staff recommended changes in the District's designation of meter charges, as the existing designation results in misunderstanding of the nature of the charges.

ACTION TAKEN:

Upon a motion duly made, seconded and carried unanimously, the designation of meter charges was revised as recommended.

7. Financial Matters.

A. Schedule of Disbursements. Schedules of disbursements in the following amounts were presented: $282,336.39 from Wholesale and Retail Operating Funds, $2,156.12 for directors' payroll, and $40,089.09 for employees' payroll.

B. Investment Activity. Schedules of investments were presented. SHAWN DEWAYNE updated the Board on the District's fixed income portfolio analysis.

C. Financial Statements (February 28). 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, 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. Engagement of Auditor. Ms. OHLUND reported that Paul Kaymark, who has been performing audit services for the District, was now with Pun Group. She noted that Mr. Kaymark will continue to prepare the audited statements, with a new managing principal who will verify GAAP and GASB compliance.

DRAFT

ACTION TAKEN:

Upon a motion duly made, seconded and carried unanimously, the engagement of the Pun Group for audit services for the fiscal years 2015-17, at a total amount not to exceed $37,500 ($12,500 per year), was approved.

8. Miscellaneous Matters.

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

B. Directors' Reports on Meetings Attended. Director DAVERT reported on his attendance at meetings with representatives of Mesa and Serrano Water Districts. Ms. OHLUND described the tour she and Director BELL attended to view the desalination plant, and President VANDERWERFF reported on discussion with Golden State Water Company representatives.

C. Authorization of Conference Attendance.

ACTION TAKEN:

Upon motions duly made, seconded and carried unanimously, Directors EVERETT and VANDERWERFF were authorized to attend the MWDOC Elected Officials Forum dinner, Director EVERETT was authorized to attend the Infrastructure Summit, and all Directors were authorized to attend the OC water Summit.

D. Orange County Sanitation District #7 Local Sewer Service Reorganization – Status Report. Ms. OHLUND said she had nothing to add to the report.

E. Water Demand Status Report. Ms. OHLUND reported that with warm, dry conditions March usage was up, over 2014.

ACTION TAKEN:

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

F. Drought Response Report.

ACTION TAKEN:

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

Closed Session. President VANDERWERFF announced that the Board would meet in a closed session pursuant to Government Code Section 54956.9(d)(1), and Ms. ARNESON identified the case, *Successor Agency to the Tustin Community Redevelopment Agency v. Cohen*.

DRAFT

Director Davert noted that he had a potential conflict as a result of his participation with the Redevelopment Oversight Board, and recused himself from the closed session.

OPEN SESSION

Open session was resumed, with all Directors present. No action was reported from the closed session.

9. Informational Items.

A. General Interest Publications. Included were *Pacific Standard Magazine* – "How to Convince People to Save Water, Using Psychology;" *Sacramento Bee* Capitol Alert – "How Jerry Brown made up his mind on drought order;" *KCRA.com* – "Leaky pipes a big source of wasted water in California."

10. Adjournment.

ACTION TAKEN:

Upon a motion duly made, seconded and carried unanimously, the meeting was adjourned at 6:30 p.m., the next regular meeting date and time being Thursday, May 21, 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

DRAFT

EAST ORANGE COUNTY WATER DISTRICT

MEMO

TO: **BOARD OF DIRECTORS**

FROM: **GENERAL MANAGER**

SUBJECT: **2015 CONSUMER CONFIDENCE REPORT**

DATE: **MAY 21, 2015**

Background

The Consumer Confidence Rule requires public water suppliers that have at least 15 service connections or regularly serve at least 25 year-round residents to provide annual consumer confidence reports (CCR) to their customers. These reports are also known as the "annual water quality reports" or "drinking water quality reports."

While water systems are free to enhance their reports in any useful way, each report must provide consumers with the following fundamental information about their drinking water:

- the source(s) of their drinking water;
- a brief summary of the susceptibility to contamination of the local drinking water source, based on the source water assessments by states;
- how to get a copy of the water system's complete source water assessment;
- the level (or range of levels) of any contaminant found in local drinking water, as well as EPA's health-based standard (maximum contaminant level) for comparison;
- the likely source of that contaminant in the local drinking water supply;
- the potential health effects of any contaminant detected in violation of an EPA health standard, and an accounting of the system's actions to restore safe drinking water;
- the water system's compliance with other drinking water-related rules;
- an educational statement for vulnerable populations about avoiding *Cryptosporidium*;
- educational information on nitrate, arsenic, or lead in areas where these contaminant may be a concern; and
- phone numbers of additional sources of information, including the water system and EPA's Safe Drinking Water Hotline (800-426-4791).

The District's CCR reflects the high quality of our water; there are no contaminants that exceed any health-based standard, and we are in compliance with all other drinking water requirements.

We participate in a joint effort with other districts for the preparation of this document in order to take advantage of economies of scale; the preparation and printing of this report (1300 copies) cost $0.60/each.

A virtual copy of the District's 2015 Water Quality Report is attached to this memo. It will be included in the June water bill; they are due to consumers by July 1st.

Recommendation

Receive and file the 2015 Consumer Confidence Report.

East Orange County Water District

2015 Water Quality Report

LET'S GET SMART ABOUT WATER

Your 2015 Water Quality Report

Since 1990, California public water utilities have been providing an annual Water Quality Report to their customers. **This year's report covers calendar year 2014 drinking water quality testing and reporting.**

The East Orange County Water District (EOCWD) vigilantly safeguards its water supply and, as in years past, the water delivered to your home meets the quality standards required by federal and state regulatory agencies. The U.S. Environmental Protection Agency (USEPA) and the State Water Resources Control Board, Division of Drinking Water (DDW) are the agencies responsible for establishing and enforcing drinking water quality standards.

In some cases, EOCWD goes beyond what is required by testing for unregulated chemicals that may have known health risks but do not have drinking water standards. For example, the Orange County Water District (OCWD), which manages the groundwater basin, and the Metropolitan Water District of Southern California (MWDSC), which supplies treated imported surface water to EOCWD, test for unregulated chemicals in our water supply. Unregulated chemical monitoring helps USEPA and DDW determine where certain chemicals occur and whether new standards need to be established for those chemicals to protect public health.

Through drinking water quality testing programs carried out by OCWD for groundwater, MWDSC for treated surface water and EOCWD for the water distribution system, your drinking water is constantly monitored from source to tap for regulated and unregulated constituents.

The State allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently.

Some of our data, though representative, are more than one year old.

The Quality of Your Water is Our Primary Concern

Sources of Supply

Orange County's water supplies are a blend of groundwater managed by the OCWD and water imported from Northern California and the Colorado River by the Municipal Water District of Orange County (MWDOC) via MWDSC. Groundwater comes from a natural underground aquifer that is replenished with water from the Santa Ana River, local rainfall and imported water. The groundwater basin covers 350 square miles and lies beneath north and central Orange County from Irvine to the Los Angeles County border and from Yorba Linda to the Pacific Ocean. More than 20 cities and retail water districts draw from the basin to provide water to homes and businesses. In south Orange County, nearly 100 percent of the water is imported and delivered to the cities and retail water districts, where it is stored in above-ground reservoirs and tanks before being sent to homes and businesses. In 2014, East Orange County Water District imported 15% surface water while 85% was local groundwater.

LAKE OROVILLE (2014)

LAKE OROVILLE (2011)

Orange County's Water Future

For years, Orange County has enjoyed an abundant, seemingly endless supply of high-quality water. However, as water demand continues to increase statewide, we must be even more conscientious about our water supply and maximize the efficient use of this precious natural resource.

OCWD and MWDOC work cooperatively to evaluate new and innovative water management and supply development programs, including water reuse and recycling, wetlands expansion, recharge facility construction, ocean and brackish water desalination, surface storage and water use efficiency programs. These efforts are helping to enhance long-term countywide water reliability and water quality.

A healthy water future for Orange County rests on finding and developing new water supplies, as well as protecting and improving the quality of the water that we have today. Your local and regional water agencies are committed to making the necessary investments today in new water management projects to ensure an abundant and high-quality water supply for our future.

Basic Information About Drinking Water Contaminants

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of land or through the layers of the ground it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animal and human activity.

Contaminants that may be present in source water include:

- **Inorganic contaminants**, such as salts and metals, which can be naturally occurring or result from urban storm runoff, industrial or domestic wastewater discharges, oil and gas production, mining and farming.
- **Microbial contaminants**, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.
- **Radioactive contaminants,** which can be naturally occurring or be the result of oil and gas production or mining activities.
- **Pesticides and herbicides**, which may come from a variety of sources such as agriculture, urban stormwater runoff and residential uses.
- **Organic chemical contaminants**, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gasoline stations, urban stormwater runoff, agricultural application and septic systems.

In order to ensure that tap water is safe to drink, USEPA and the DDW prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. DDW regulations also establish limits for contaminants in bottled water that must provide the same protection for public health. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk.

More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline at (800) 426-4791.

Immuno-Compromised People

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised people, such as those with cancer who are undergoing chemotherapy, persons who have had organ transplants, people with HIV/AIDS or other immune system disorders, some elderly persons and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers.

Conservation Tips for Inside Your Home

Collect water used to wash fruits and vegetables
Use it to water your houseplants

Don't run water to thaw food: ***Defrost in the refrigerator***

Install aerators on the kitchen faucet
Reduce flow to less than 1 gallon per minute

Wash only full loads of laundry and dishes:
Saves up to 50 gallons per week

Install low-flow shower heads: ***Saves 2.5 gallons per shower***

Plug the sink instead of running water to rinse your razor
Saves up to 300 gallons a month

Buy water-saving devices like high-efficiency toilets and clothes washers. You'll save gallons of water per day, and many of these items are eligible for rebates. To learn more, visit:
www.ocwatersmart.com.

Talk to your family and friends about saving water.
If everyone does a little, we all benefit a lot.

Questions about your water? Contact us for answers.

For information about this report, or your water quality in general, please contact Jerry Mendzer at (714) 538-5815.

The EOCWD Board of Directors meets on the 3rd Thursday of each month at 5:00 p.m. Meetings are held at 185 N. McPherson Road, Orange.

For more information about the health effects of the listed contaminants in the following tables, call the USEPA hotline at (800) 426-4791.

Important Information the EPA Would Like You to Know

Issues in Water Quality that Could Affect Your Health

Chloramines

EOCWD imports water from MWDSC and produces water using chloramines, a combination of chlorine and ammonia, as its drinking water disinfectant. Chloramines are effective killers of bacteria and other microorganisms that may cause disease.

Chloramines form fewer disinfection byproducts and have no odor when used properly. People who use kidney dialysis machines may want to take special precautions and consult their physician for the appropriate type of water treatment. Customers who maintain fish ponds, tanks or aquaria should also make necessary adjustments in water quality treatment, as these disinfectants are toxic to fish.

For further information or if you have any questions about chloramines please visit www.eocwd.com or call (714) 538-5815.

Cryptosporidium

Cryptosporidium is a microscopic organism that, when ingested, can cause diarrhea, fever, and other gastrointestinal symptoms. The organism comes from animal and/or human wastes and may be in surface water. MWDSC tested their source water and treated surface water for *Cryptosporidium* in 2014 but did not detect it. If it ever is detected, *Cryptosporidium* is eliminated by an effective treatment combination including sedimentation, filtration and disinfection.

The USEPA and the federal Centers for Disease Control guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from USEPA's Safe Drinking Water Hotline at (800) 426-4791 between 10 a.m. and 4 p.m. Eastern Time (7 a.m. to 1 p.m. in California).

Disinfectants and Disinfection Byproducts

Disinfection of drinking water was one of the major public health advances in the 20th century. Disinfection was a major factor in reducing waterborne disease epidemics caused by pathogenic bacteria and viruses, and it remains an essential part of drinking water treatment today.

Chlorine disinfection has almost completely eliminated from our lives the risks of microbial waterborne diseases. Chlorine is added to your drinking water at the source of supply (groundwater well or surface water treatment plant). Enough chlorine is added so that it does not completely dissipate through the distribution system pipes. This "residual" chlorine helps to prevent the growth of bacteria in the pipes that carry drinking water from the source into your home.

However, chlorine can react with naturally-occurring materials in the water to form unintended chemical byproducts, called disinfection byproducts (DBPs), which may pose health risks. A major challenge is how to balance the risks from microbial pathogens and DBPs. It is important to provide protection from these microbial pathogens while simultaneously ensuring decreasing health risks from DBPs. The Safe Drinking Water Act requires USEPA to develop rules to achieve these goals.

Trihalomethanes (THMs) and Haloacetic Acids

What are Water Quality Standards?

Drinking water standards established by USEPA and DDW set limits for substances that may affect consumer health or aesthetic qualities of drinking water. The chart in this report shows the following types of water quality standards:

- **Maximum Contaminant Level (MCL):** The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible.
- **Maximum Residual Disinfectant Level (MRDL):** The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
- **Secondary MCLs:** Set to protect the odor, taste, and appearance of drinking water.
- **Primary Drinking Water Standard:** MCLs for contaminants that affect health along with their monitoring and reporting requirements and water treatment requirements.
- **Regulatory Action Level (AL):** The concentration of a contaminant, which, if exceeded, triggers treatment or other requirements that a water system must follow.

How are Contaminants Measured?

Water is sampled and tested throughout the year. Contaminants are measured in:

- parts per million (ppm) or milligrams per liter (mg/L)
- parts per billion (ppb) or micrograms per liter (µg/L)
- parts per trillion (ppt) or nanograms per liter (ng/L)

What is a Water Quality Goal?

In addition to mandatory water quality standards, USEPA and DDW have set voluntary water quality goals for some contaminants. Water quality goals are often set at such low levels that they are not achievable in practice and are not directly measurable. Nevertheless, these goals provide useful guideposts and direction for water management practices. The chart in this report includes three types of water quality goals:

- **Maximum Contaminant Level Goal (MCLG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by USEPA.
- **Maximum Residual Disinfectant Level Goal (MRDLG):** The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
- **Public Health Goal (PHG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

2014 East Orange County Water District Drinking Water Quality
Local Groundwater and Metropolitan Water District Treated Surface Water

Chemical	MCL	PHG (MCLG)	Avg. Groundwater Amount	Avg. Imported MWD Amount	Range of Detections	MCL Violation?	Typical Source of Contaminant
Radiologicals – Tested in 2014							
Alpha Radiation (pCi/L)	15	(0)	ND	ND	ND – 4	No	Erosion of natural deposits
Beta Radiation (pCi/L)	50	(0)	NR	5	4 – 6	No	Decay of man-made or natural deposits
Uranium (pCi/L)	20	0.43	ND	3	ND – 3	No	Erosion of natural deposits
Inorganic Chemicals – Tested in 2012 and 2014							
Aluminum (ppm)	1	0.6	ND	0.17	ND – 0.31	No	Treatment Process Residue, Natural Deposits
Barium (ppm)	1	2	ND	0.11	ND – 0.11	No	Refinery Discharge, Runoff or Leaching from Natural Deposits
Fluoride (ppm) naturally-occurring	2	1	0.12	NR	0.12	No	Erosion of Natural Deposits
Fluoride (ppm) treatment-related	Control Range 0.7 – 1.3 ppm Optimal Level 0.8 ppm		NR	0.8	0.7 – 1	No	Water Additive for Dental Health
Nitrate as NO_3 (ppm)	45	45	16	ND	ND – 18	No	Agriculture Runoff and Sewage
Nitrate and Nitrite as N (ppm)	10	10	3.6	ND	ND – 4	No	Agriculture Runoff and Sewage
Secondary Standards* – Tested in 2012 and 2014							
Aluminum (ppb)	200*	600	ND	170	ND – 310	No	Treatment Process Residue, Natural Deposits
Chloride (ppm)	500*	n/a	110	90	87 – 110	No	Runoff or Leaching from Natural Deposits
Color (color units)	15*	n/a	ND	1	ND – 1	No	Naturally-occurring Organic Materials
Iron (ppb)	300*	n/a	100	ND	ND – 100	No	Runoff or leaching from natural deposits; industrial wastes
Odor (odor units)	3*	n/a	ND	1	ND – 1	No	Naturally-occurring Organic Materials
Specific Conductance (µmho/cm)	1,600*	n/a	960	980	960 – 1,000	No	Substances that form Ions in Water
Sulfate (ppm)	500*	n/a	140	230	140 – 240	No	Runoff or Leaching from Natural Deposits
Total Dissolved Solids (ppm)	1,000*	n/a	600	630	600 – 650	No	Runoff or Leaching from Natural Deposits
Turbidity (NTU)	5*	n/a	0.4	ND	ND – 0.4	No	Runoff or Leaching from Natural Deposits
Unregulated Chemicals – Tested in 2012, 2013 and 2014							
Alkalinity (ppm)	Not Regulated	n/a	190	120	120 – 190	n/a	Runoff or Leaching from Natural Deposits
Boron (ppm)	NL = 1	n/a	0.13	0.1	0.10 – 0.13	n/a	Runoff or Leaching from Natural Deposits
Calcium (ppm)	Not Regulated	n/a	100	72	70 – 100	n/a	Runoff or Leaching from Natural Deposits
Hardness, total (ppm)	Not Regulated	n/a	360	290	280 – 360	n/a	Runoff or Leaching from Natural Deposits
Hardness, total (grains/gal)	Not Regulated	n/a	21	17	16 – 21	n/a	Runoff or Leaching from Natural Deposits
Magnesium (ppm)	Not Regulated	n/a	25	26	25 – 27	n/a	Runoff or Leaching from Natural Deposits
pH (pH units)	Not Regulated	n/a	7.9	8.1	7.9 – 8.1	n/a	Hydrogen Ion Concentration
Potassium (ppm)	Not Regulated	n/a	2.5	4.6	2.5 – 4.8	n/a	Runoff or Leaching from Natural Deposits
Sodium (ppm)	Not Regulated	n/a	62	94	62 – 99	n/a	Runoff or Leaching from Natural Deposits
Total Organic Carbon (ppm)	TT	n/a	0.39	2.6	0.39 – 2.9	n/a	Various Natural and Man-made Sources

ppb = parts-per-billion; **ppm** = parts-per-million; **pCi/L** = picoCuries per liter; **NTU** = nephelometric turbidity units; **µmho/cm** = micromhos per centimeter; **NR** = Not Required to be analyzed; **ND** = not detected; **<** = average is less than the detection limit for reporting purposes; **MCL** = Maximum Contaminant Level; **(MCLG)** = federal MCL Goal; **PHG** = California Public Health Goal; **NL** = Notification Level; **n/a** = not applicable; **TT** = treatment technique *Contaminant is regulated by a secondary standard.

Turbidity – combined filter effluent Metropolitan Water District Diemer Filtration Plant	Treatment Technique	Turbidity Measurements	TT Violation?	Typical Source of Contaminant
1) Highest single turbidity measurement	0.3 NTU	0.06	No	Soil run-off
2) Percentage of samples less than 0.3 NTU	95%	100%	No	Soil run-off

Turbidity is a measure of the cloudiness of the water, an indication of particulate matter, some of which might include harmful microorganisms.
Low turbidity in Metropolitan's treated water is a good indicator of effective filtration. Filtration is called a "treatment technique" (TT).
A treatment technique is a required process intended to reduce the level of contaminants in drinking water that are difficult and sometimes impossible to measure directly.

(HAAs) are the most common and most studied DBPs found in drinking water treated with chlorine. In 1979, the USEPA set the maximum amount of total THMs allowed in drinking water at 100 parts per billion as an annual running average. Effective in January 2002, the Stage 1 Disinfectants / Disinfection Byproducts Rule lowered the total THM maximum annual average level to 80 parts per billion and added HAAs to the list of regulated chemicals in drinking water. Your drinking water complies with the Stage 1 Disinfectants / Disinfection Byproducts Rule.

Stage 2 of the regulation was finalized by USEPA in 2006, which further controls allowable levels of DBPs in drinking water without compromising disinfection itself. A required distribution system evaluation was completed in 2008 and a Stage 2 monitoring plan has been approved by DDW. Full Stage 2 compliance began in 2012.

About Lead in Tap Water

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. East Orange County Water District is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline, (800) 426-4791 between 9 a.m. and 5 p.m. Eastern Time (6 a.m. to 2 p.m. in California), or at: http://water.epa.gov/drink/info/lead/index.cfm.

Drinking Water Fluoridation

Fluoride has been added to U.S. drinking water supplies since 1945. Of the 50 largest cities in the U.S., 43 fluoridate their drinking water. In December 2007, MWDSC joined a majority of the nation's public water suppliers in adding fluoride to drinking water in order to prevent tooth decay. In line with recommendations from the DDW, as well as the U.S. Centers for Disease Control and Prevention, MWDSC adjusted the natural fluoride level in imported treated water from the Colorado River and State Project water to the optimal range for dental health of 0.7 to 1.3 parts per million. Our local water is not supplemented with fluoride. Fluoride levels in drinking water are limited under California state regulations at a maximum dosage of 2 parts per million.

There are many places to go for additional information about the fluoridation of drinking water:

U.S. Centers for Disease Control and Prevention
1 (800) 232-4636 • www.cdc.gov/fluoridation/

State Water Resources Control Board, Division of Drinking Water
www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/Fluoridation.shtml

For more information about the MWDSC's fluoridation program, please contact Edgar G. Dymally at (213) 217-5709 or at edymally@mwdh2o.com.

Conservation Tips for Outside Your Home

Check your sprinkler system for leaks, overspray and broken sprinkler heads and repair promptly: ***Saves up to 500 gallons per month***

Install a smart sprinkler controller that adjusts watering based on weather, soil type, amount of shade and plant type ***Saves up to 40 gallons per day***

Use a broom instead of a hose to clean drives and sidewalks ***Saves up to 150 gallons each time***

Additional water saving steps and devices are also available, and some of these are eligible for substantial rebates. Consider replacing your lawn with drought tolerant plants, synthetic turf, or permeable hardscape. Or add rotating sprinkler nozzles, a weather-based controller, or a drip line to enhance your automated irrigation system. And mulch. Hundreds of gallons a year can be saved by simply using organic mulch around plants to reduce evaporation.

For complete rebate information for these water saving resources, visit: **www.ocwatersmart.com**.

Want Additional Information?

There's a wealth of information on the internet about Drinking Water Quality and water issues in general. A good place to begin your own research is the East Orange County Water District website:

www.eocwd.com

In addition to extensive information about your local water and the support and services we offer, you'll find links for many other local, statewide, and national resources.

Source Water Assessments

Imported (MWDSC) Water Assessment

Every five years, MWDSC is required by DDW to examine possible sources of drinking water contamination in its State Water Project and Colorado River source waters.

In 2012, MWDSC submitted to DDW its updated Watershed Sanitary Surveys for the Colorado River and State Water Project, which include suggestions for how to better protect these source waters. Both source waters are exposed to stormwater runoff, recreational activities, wastewater discharges, wildlife, fires, and other watershed-related factors that could affect water quality.

Water from the Colorado River is considered to be most vulnerable to contamination from recreation, urban/stormwater runoff, increasing urbanization in the watershed, and wastewater. Water supplies from Northern California's State Water Project are most vulnerable to contamination from urban/stormwater runoff, wildlife, agriculture, recreation, and wastewater.

USEPA also requires MWDSC to complete one Source Water Assessment (SWA) that utilizes information collected in the watershed sanitary surveys. MWDSC completed its SWA in December 2002. The SWA is used to evaluate the vulnerability of water sources to contamination and helps determine whether more protective measures are needed.

A copy of the most recent summary of either Watershed Sanitary Survey or the SWA can be obtained by calling MWDSC at (213) 217-6850.

Groundwater Assessment

An assessment of the drinking water sources for EOCWD was completed in December 2002. The groundwater sources are considered most vulnerable to the following activities associated with nitrates detected in the water supply: historic waste dumps/landfills, and past agricultural activities and application of fertilizers. The groundwater sources are considered most vulnerable to the following activities not associated with detected contaminants: dry cleaners and gas stations.

A copy of the complete assessment is available at SWRCB, Division of Drinking Water, 605 W. Santa Ana Blvd., Building 28, Room 325, Santa Ana, CA 92701. You may request a summary of the assessment by contacting Jerry Mendzer at EOCWD, (714) 538-5815.

2014 East Orange County Water District Distribution System Water Quality

Disinfection Byproducts	MCL (MRDL/MRDLG)	Average Amount	Range of Detections	MCL Violation?	Typical Source of Contaminant
Total Trihalomethanes (ppb)	80	25	0.9 – 32	No	Byproducts of Chlorine Disinfection
Haloacetic Acids (ppb)	60	10	ND – 15	No	Byproducts of Chlorine Disinfection
Chlorine Residual (ppm)	(4 / 4)	1.1	0.5 – 2.1	No	Disinfectant Added for Treatment
Aesthetic Quality					
Color (color units)	15*	0.06	ND – 1	No	Erosion of Natural Deposits
Turbidity (NTU)	5*	0.1	ND – 0.3	No	Erosion of Natural Deposits

Two locations in the distribution system are tested quarterly for total trihalomethanes and haloacetic acids; one location is tested monthly for color, odor and turbidity.
Odor was not detected in any sample in 2014. **MRDL** = Maximum Residual Disinfectant Level; **MRDLG** = Maximum Residual Disinfectant Level Goal.
*Contaminant is regulated by a secondary standard to maintain aesthetic qualities (taste, odor, color).

Bacterial Quality	MCL	MCLG	Highest Monthly Positive Samples	MCL Violation?	Typical Source of Contaminant
Total Coliform Bacteria	1	0	1	No	Naturally Present in the Environment

No more than 1 monthly sample may be positive for total coliform bacteria.

Lead and Copper Action Levels at Residential Taps

	Action Level (AL)	Health Goal	90th Percentile Value	Sites Exceeding AL / Number of Sites	AL Violation?	Typical Source of Contaminant
Lead (ppb)	15	0.2	ND	0 / 21	No	Corrosion of Household Plumbing
Copper (ppm)	1.3	0.3	0.068	0 / 21	No	Corrosion of Household Plumbing

Twenty-one residences were tested for lead and copper at-the-tap during 2012.
Lead was not detected in any sample. Copper was detected in five samples but none exceeded the action level.
The regulatory action level is the concentration of lead or copper which, if exceeded in more than ten percent of the homes tested, triggers treatment or other requirements that a water system must follow.

The Need to Conserve has Never Been Greater

As California enters its fourth year of drought, water conservation has become vitally important for us all. There are many areas within our homes where we can save water, particularly outdoors, where our gardens and lawns receive almost 60% of all the water we use. To learn more about the drought, or to find useful tips for how to conserve water, visit:

www.SaveOurWater.com
or www.BeWaterWise.com

To learn about programs and devices that can help save water, along with information on rebates for these water saving resources, visit:

www.OCWaterSmart.com

East Orange County Water District
185 North McPherson Road
Orange, California 92869

PRINTED ON RECYCLED PAPER
PRINTED WITH SOY INK

This report contains important information about your drinking water.

Translate it, or speak with someone who understands it.

Este informe contiene información muy importante sobre su agua potable. Para mas información ó traducción, favor de contactar a Customer Service Representative. Telefono: (714) 538-5815.

Bản báo cáo có ghi những chi tiết quan trọng về phẩm chất nước trong cộng đồng quý vị. Hãy nhờ người thông dịch, hoặc hỏi một người bạn biết rõ về vấn đề này.

يحتوي هذا التقرير على معلومات هامة عن نوعية ماء الشرب في منطقتك. يرجى ترجمته، أو ابحث التقرير مع صديق لك يفهم هذه المعلومات جيداً.

这份报告中有些重要的信息，讲到关于您所在社区的水的品质。请您找人翻译一下，或者请能看得懂这份报告的朋友给您解释一下。

이 보고서에는 귀하가 거주하는 지역의 수질에 관한 중요한 정보가 들어 있습니다. 이것을 번역하거나 충분히 이해하시는 친구와 상의하십시오.

この資料には、あなたの飲料水についての大切な情報が書かれています。内容をよく理解するために、日本語に翻訳して読むか説明を受けてください。

MEMO

TO: BOARD OF DIRECTORS

FROM: GENERAL MANAGER

SUBJECT: **REVISIONS TO PERSONNEL POLICY MANUAL**

DATE: AUGUST 8, 2013

Background

On September 10, 2014, Governor Brown signed Assembly Bill 1522 (AB 1522) enacting the *Healthy Workplaces, Healthy Families Act of 2014* ("Paid Sick Leave law"). Effective July 1, 2015, this new Paid Sick Leave law entitles all employees (including temporary and part-time) to the accrual of at least three paid sick days in a 12-month period for the diagnosis, care, or treatment of an existing health condition or preventative care for an employee or an employee's family members. It also provides paid sick days for an employee for certain purposes related to being a victim of domestic violence, sexual assault, or stalking. In order to comply with the new law, our Personnel Policy Manual requires revision; there are also a few other recommended changes.

Overview of the Paid Sick Leave Law

Prior to AB 1522, there was no law in California mandating sick leave (paid or otherwise) for employees. The Paid Sick Leave law requires that all employers, with at least one employee, are subject to the Paid Sick Leave law, including state and municipal employers. There is no minimum number of employees needed in a workplace for the Paid Sick Leave law to apply.

Under the Paid Sick Leave law, an employee is entitled to paid sick days if he or she works in California for 30 or more days within a year from when employment commences. As a result, the Paid Sick Leave law applies to most any employee – including temporary, extra help, part-time, and seasonal employees who work 30 or more days within a year from when employment commences. The Paid Sick Leave law does not provide any other eligibility requirements.

Employees accrue paid sick leave at the rate of at least one (1) hour per every 30 hours worked – beginning on the first date of employment or July 1, 2015, whichever is later – up to twenty-four (24) hours [three (3) days] per 12-month employment year. Currently, District employees accrue sick leave at the rate of 1.255 hours per every 30 hours worked (87 hours per year) – staff is recommending that this rate of accrual remain unchanged.

Employees are entitled to request and use accrued paid sick days beginning on the 90th day

of employment. However, an employer may lend paid sick days to an employee in advance of accrual at the employer's discretion. The Paid Sick Leave law also requires employers to allow employees to carry over paid sick days to the following year of employment at a minimum cap of six (6) days or forty-eight (48) hours. The current policy allows employees to carry over one hundred twenty (120) hours or fifteen (15) days, with anything over these hours being paid to the employee in November at 50% of their hourly rate. Staff is recommending that this policy also remain unchanged.

The new law also requires that the District provide the amount of paid sick leave available either on the itemized wage statement or in a separate writing during each pay period. The District has provided an itemized statement of each employee's vacation and sick leave accrual on their paycheck stub since 2010.

The changes relating to the Paid Sick Leave law are shown marked up on pages 19-22 of the attached Personnel Policy Manual.

Other Changes

There is one other major change and one minor change recommended to the Personnel Policy Manual:

Double Time after Twelve (12) Hours of Work: On two occasions over the past six months, field staff have worked in excess of twelve hour days in order to either fix a leak so that water can be turned back on, or continue with a construction project so that we can avoid turning water off. Our current policy does not authorize the payment of double time after twelve (12) hours of work, although this is a common policy in other public agencies and the private sector. Staff is recommending that this change be implemented and also made retroactive to January 2015; this recommendation was reviewed by the Operations Committee and recommended for approval. The changes are shown on page 12 of the attached Personnel Policy Manual.

Clarification of Non-Exempt Employees: Three job classifications were left out of the 2014 update in an oversight, and need to be added to the Non-Exempt list of employees: the Management Analyst, Administrative Assistant, Administrative Analyst and Part-Time Office Assistant were added on pages 3 and 11.

Recommendation

The Board approve the recommended changes to the EOCWD Personnel Manual that incorporate the Paid Sick Leave law, double time pay after twelve (12) hours work retroactive to January 1, 2015 and the incorporation of the Management Analyst, Administrative Assistant, Administrative Analyst and Part-Time Office Assistant to the Non-Exempt employees listing in the Manual.

EMPLOYMENT POLICY

The East Orange County Water District (EOCWD) subscribes to the public policies of the United States and the State of California as set forth in all applicable statutes that are necessary to protect and safeguard the right and opportunity of all persons to seek, obtain, and hold employment without discrimination or abridgment because of race, religious creed, color, age, sex, physical handicap or national origin.

EOCWD's policy provides full equal employment opportunity. Its recruitment and employment practices, all offers of employment, and all its courses of action concerning training opportunities and training, job placement, promotions, compensation, and termination are based solely on merit.

GENERAL EMPLOYMENT POLICIES

Categories of Employees

Each employee will be within one or more of the following categories:

Regular Employees (Exempt & Non-Exempt)

A person who is employed by EOCWD in a full-time position, has successfully completed his/her initial six-month probationary period, and is considered a regular employee whose employment is expected to continue over a long term. This employee is eligible for benefits as provided in the policies that relate to EOCWD's benefit programs. Eligibility is based upon length of continuous employment and, in all cases, the measurement shall begin with the employee's most recent date of hire.

Continuous employment is broken by:

- Quitting, either with or without notice
- Discharge
- Layoff from which the employee is not rehired within one (1) year from the date of layoff.

Continuous employment is not broken by:

- Absence on layoff from which the employee is rehired within one (1) year from the date of layoff
- Absence while an employee is on an approved leave of absence from which the employee returns to work.

Unless otherwise specifically stated, all EOCWD benefits apply only to regular full-time employees.

Temporary Employee (Non-Exempt)

A person who is hired to work for a limited period of time, normally not to exceed six (6) continuous months, to meet seasonal or other short-term labor needs.

Part-time Employee (Non-Exempt)

A person who is employed to work fewer than thirty-four (34) hours per week on a regular or temporary basis.

Management Employee (Exempt)

Management employees serve at the pleasure of the Board of Directors and do not acquire a property right to continued employment. As a management employee, there is an expectation that there will be occasional work beyond the hours required of other full-time salaried employees, and management employees do not receive overtime pay (also referred to as "Exempt") because management salaries have been adjusted to provide for occasional overtime work.

Management Employees work hours and compensation are set by the Board. A Management Employee whose regular work schedule is more than 34 hours per week is considered a full-time employee and is entitled to the benefits of a Regular Employee as provided in the policies that are related to EOCWD's benefits programs.

A Management Employee whose regular work schedule is less than 34 hours per week is considered a part-time employee and is entitled to those benefits required by applicable federal and state laws.

With the written approval of the Board of Directors, Management employees may also receive compensation under salary and benefit plans that are different from those applicable to other employees.

Management (salaried-exempt) employees are as follows:

- General Manager (Full-time)

Confidential Employee (Exempt & Non-Exempt)

Confidential employees are Management and supervisory employees who have access to information considered by the District as confidential.

Non-Exempt Employee

Non-exempt employees are hourly-paid employees, subject to overtime pay, and include all employees except the General Manager. Non-exempt employees are as follows:

Administrative/Office Employees

- Office Manager
- Administrative Assistant
- Administrative Analyst
- Management Analyst
- Part-Time Office Assistant

Field Employees

- Operations & Maintenance Superintendent
- Distribution Worker I
- Distribution Worker II
- Distribution Worker III

Hiring and Promotions

Posting New Jobs and Vacancies

When new jobs are created or vacancies occur, EOCWD shall first attempt to fill them through the recall procedure if any employee on layoff has necessary qualifications. If new jobs or vacancies are not filled through recall after layoff, a notice will be posted on the office bulletin boards that the jobs or vacancies are available to be filled by promotion.

EOCWD may make emergency appointments to satisfy an immediate staffing need.

Selection

Employees shall be selected on the basis of their qualifications for the job and without regard for race, religious creed, color, age, sex, physical handicap, or national origin. The method of selecting a new employee will be objective and impartial and may consist of interviews, tests, examinations, and verifications, as the General Manager deems necessary and appropriate.

Application for Employment

Each candidate for employment who appears to be qualified to perform the job for which he/she is being considered shall be required to fill out and sign the EOCWD's Application for Employment form. Applications shall be considered if they are received on or before the final filing date.

Disqualification

Applications will be rejected if the applicant is determined to be physically or mentally unfit to perform the duties of the position

under consideration, is addicted to the habitual excessive use of illegal substances or intoxicating liquor, is not a U.S. citizen or otherwise does not possess the minimum qualifications for the position. Persons falsifying application information shall be disqualified.

Relatives

Applications from persons related to EOCWD employees through the level of first cousin excluding the relationship of marriage, shall not be considered for employment by EOCWD. If any EOCWD employee enters into marriage with another EOCWD employee, and in the opinion of the General Manager it is impossible for both employees to continue in employment for reasons of disruption of EOCWD affairs, supervision, safety, security, or morale, one of the individuals involved must resign. In the event that the spouses are unable to determine between themselves which individual should resign, the individual with the least seniority will be dismissed unless the General Manager and the Board of Directors determines otherwise based on the needs of EOCWD's operations. If an employee's spouse applies for employment and in the opinion of the General Manager it would be impossible for the employment to take place for reasons of disruption of EOCWD affairs, supervision, safety, security, or morale, then such spouse shall not be considered for employment.

Physical Examinations

Candidates for initial employment and employees rehired after layoff must successfully pass a physical examination, which will include drug and alcohol screening prescribed by the District.

At the direction of the General Manager, any employee may be required to undergo a physical examination at any time.

All physical examinations prescribed by the District shall be performed by a licensed physician approved and paid for by the District.

Background Checks

Candidates for employment and employees rehired after layoff are subject to a background check prior to an offer of employment or reemployment. A candidate who has been convicted of a felony or misdemeanor involving moral turpitude shall not be eligible for employment, except that such conviction may be disregarded if it is determined by the Operations and Personnel Committee that mitigating circumstances exist or that the conviction is not related to the position of employment.

Work Status

All individuals accepting employment shall provide verification of identity and legal authority to work in the United States pursuant to the federal immigration laws. Completion of Form I-9, U.S. Department of Justice, Immigration and Naturalization Service, is mandatory within

seventy-two (72) hours of hiring. All offers of employment and continued employment are contingent on furnishing satisfactory evidence of identity and legal authority work in the United States.

Probationary Periods

New Employees

The first six (6) months of employment shall constitute a probationary period during which EOCWD will investigate the new employee's qualifications, references, and work performance and determine whether his/her employment should be continued. New employees are subject to dismissal without cause at any time during this period at the discretion of the General Manager, and such termination shall not constitute a cause for any action against EOCWD. New employees will be given orientation, training, and supervision during this period as part of the probationary process.

New employees will be kept informed of their progress by means of periodic performance evaluations. They will be advised of any deficiencies in performance or conduct. Three (3) weeks prior to the end of the probationary period, new employees will be given a performance appraisal by their immediate supervisor and the General Manager. If it is determined that the probationary employee's performance does not meet EOCWD standards or EOCWD does not continue to need the position, his/her employment will be terminated.

Outside Employment

With the written approval of the Board of Directors, a Management Employee may engage in employment other than that with EOCWD; but only if such outside employment does not (1) interfere with performance of the employee's assigned EOCWD duties, including overtime and on-call assignments; (2) constitute an incompatible position or a conflict of interest; or (3) create an unfavorable EOCWD image.

With the written approval of the General Manager, or his designee, a regular employee may engage in employment other than that with EOCWD; but only if such outside employment does not (1) interfere with performance of the employee's assigned EOCWD duties, including overtime and on-call assignments; (2) constitute an incompatible position or a conflict of interest; or (3) create an unfavorable EOCWD image.

Training and Development

EOCWD encourages employee development by providing the opportunity for employee training. Compulsory training may be required as a condition of continued employment. Such training programs may include lecture courses, seminars, demonstrations, reading materials, or other methods for improving job performance. EOCWD encourages employee development to offer its customers a higher level of services.

Personnel Records

The EOCWD business office will maintain a service file for each employee containing name, position, title, salary and such other information as may be deemed necessary by EOCWD.

To insure that EOCWD records are correct and current, each employee is responsible for keeping the General Manager promptly informed as to changes in address, phone number, marital status, dependents, and other pertinent personal information.

Upon request, an employee may examine all his/her official personnel records.

Termination of Employment

The effective date of termination of employment is normally the last day worked by an employee. In the situation of a decision to terminate employment, rather than to restore an employee to work upon expiration of a leave of absence, the date of termination shall be the date of the decision to terminate.

An employee who plans to resign is requested to give his/her supervisor an advance notice in writing of at least two (2) weeks. Once submitted and accepted by the District, a resignation may not be withdrawn, except upon approval of the General Manager.

HOURS OF WORK

Schedules of Work/Pay Period – Non-Exempt

Work schedules are two-week periods of fourteen (14) consecutive twenty-four (24) hour days, beginning with the end of the work day on Friday and ending at the same time the second following Friday.

The normal hours of work in the "standard work schedule" are eighty (80) hours. The "standard work schedule" consists of ten (10) days in which the employee works eight (8) hours each day.

The Work Day

Field Employees (Non-Exempt)

For field employees, the regular workday on the "standard work schedule" shall begin at 7:30 a.m. and end at 4:00 p.m. daily, Monday through Friday.

Office/Administrative Employees (Non-Exempt

For office/administrative employees, the regular workday on the "standard work schedule" shall begin at 8:00 a.m. and end at 5:00 p.m.

daily, Monday through Friday. Due to changing hours of daylight, for safety reasons, or due to other situations, the General Manager may alter the above workday schedules in any manner deemed appropriate for the operation of EOCWD.

Management Employees (Exempt)

For management employees, the workday shall be as established by the Board of Directors.

Part-time Employees (Non-Exempt)

For part-time employees, the workday shall be as established by the General Manager.

Lunch Periods

Field employees scheduled lunch period will be a one-half (1/2) hour period. The employee's supervisor or General Manager will schedule lunch periods.

Office/Administrative employee's scheduled lunch period will be a one-half (1/2) hour period. The employee's supervisor or General Manager will schedule lunch periods.

POSITION CLASSIFICATION

Job descriptions describe the specific function of each position and the typical duties that an employee is expected to perform. Job descriptions are not intended to limit the work to those typical duties described since other tasks may be assigned that are similar in nature and within the scope of the position.

All positions are evaluated according to their relative worth to EOCWD. Positions that are similar in type of work, level of difficulty and degree of responsibility are grouped together in the same classification. The General Manager may recommend that the position be re-evaluated and reclassified. Similarly, job descriptions will be prepared for any new positions, which will be evaluated and classified according to their relative worth to EOCWD.

COMPENSATION

Salary Administration

As a public entity the EOCWD is committed to rendering the highest level of service possible at a fair and reasonable cost. EOCWD's ability to achieve this objective is affected by a number of factors, one of which is the quality and performance of EOCWD employees. In order to attract and retain highly competent employees, promote

continuous superior performance, and give full recognition to EOCWD financial constraints, the following will be considered in establishing employee compensation:

- The impact of compensation on the cost of services, financial position of EOCWD, and overall operational costs;
- Compensation paid for similar work in other public and private jurisdictions;
- The general and specific performance of employees, and status of the labor force, economic conditions, recruitment and retention experience, and other factors influencing the maintenance of a stable and efficient work force.

Public Posting of Salary Information

Regulations adopted by the CalPERS Board of Administration require that:

- The payrates, time basis and any items of special compensation be listed for each position on a pay schedule;
- The pay schedule be posted at the office of the employer or immediately accessible and available for public review from the employer during normal business hours or posted on the employer's internet website;

Salary Ranges

Salary ranges for classified employees are established and modified from time to time by EOCWD's Board of Directors.

The Board of Directors review performance and sets compensation for the General Manager.

General Manager

The General Manager reviews performance and recommends compensation levels individually for all positions in the organization, subject to initial review of the Operations and Personnel Committee and approval of the Board.

The General Manager will be provided an EOCWD vehicle, for use on EOCWD water business pursuant to the Board adopted policy.

Special Compensation

Special Compensation, for purposes of the PERS calculation, is paid to Field Employees and is reportable to PERS as follows:

- Standby Pay
- Holiday Pay
- Uniform Allowance (not inclusive of safety shoes)

Definition of Payrate

The "Payrate" shall be determined in accordance with Government Code Sections 20630, 20363 and 20636.1 and shall be limited to the amount listed on a pay schedule that meets all of the following requirements:

1) Has been duly approved and adopted by the District's Board of Directors in accordance with the requirements of applicable public meeting laws.
2) Identifies the position title for every employee position.
3) Shows the payrate for each identified position, which may be stated as a single amount or as multiple amounts within a range.
4) Indicates the time base, including, but not limited to, whether the time base is hourly, daily, bi-weekly, monthly, bi-monthly, or annually.
5) Is posted at the office of the employer or immediately accessible and available for public review from the employer during normal business hours or posted on the employer's internet website;
6) Indicates an effective date and date of any revisions.
7) Is retained by the employer and available for public inspection for not less than five years; and
8) Does not reference another document in lieu of disclosing the payrate.

Payment of Compensation

Basic Hourly Salary Rate

Employees shall be paid based upon an hourly salary rate, which shall be payment for the straight time portion of work performed each pay period.

Time of Payment - Regular Pay Day

Pay periods are two (2) weeks in duration, terminating each alternate Friday. Payment shall be made within the week immediately following the close of the pay period. Normally, payment will be made on alternating Wednesdays. Payment for the pay period is calculated as follows:

Hourly Rate x Eligible Hours

Where "Eligible Hours" are defined as those hours (regular, overtime and standby) that an employee has worked during the period and/or is eligible for payment, such as vacation, sick leave, holiday and/or compensatory time.

Terminations

Prior to termination, employees are required to complete an Exit Interview with the General Manager, or his designee, and to return all EOCWD property (keys, uniforms, etc.). Employees who terminate will receive their final pay as soon as reasonably possible after separation, upon completion of the exit interview and after all EOCWD property has been returned, not to exceed three (3) working days following such interview and return of EOCWD property. Final pay is made up of the following elements:

- Unpaid salary for work performed
- Accrued and unused vacation to the date of termination, provided they have completed six (6) full months of employment.

Salary Deductions

Deductions are made from a full-time employee's pay as follows:

- Those deductions required by law for Federal and State Income Taxes, Social Security (F.I.C.A.), and State Disability Insurance;
- Contributions due for EOCWD's authorized Retirement Plan, and if authorized in writing by employees, as provided for on EOCWD forms:
  - The cost of dependent coverage, if available, for hospitalization, medical and dental-orthodontic insurance,
  - Premiums for various insurances, which are carried individually by employees, as approved by EOCWD,
  - EOCWD's authorized deferred compensation plan.

Deductions are made from a part-time employee's pay as follows:

- Those deductions required by law for Federal and State Income Taxes, Social Security (F.I.C.A.), and State Disability Insurance.

Overtime

Overtime work is a condition of employment for all employees as may be deemed necessary by the General Manager or his designee.

Work Schedules

The "Standard Work Schedule" shall be eighty (80) hours consisting of ten (10) workdays within a period of fourteen (14) consecutive days, beginning with the employees' first shift on the first workday in the designated work schedule.

The normal daily hours for field employees on the "Standard Work Schedule" shall be eight and one-half (8 ½) consecutive hours, including an unpaid lunch period of one-half (1/2) hour.

The normal daily hours for office/administrative employees on the "Standard Work Schedule" shall be eight and one-half (8 ½) consecutive hours, including an unpaid lunch period of one-half (1/2) hour.

The normal daily hours for the General Manager shall be such hours as required to perform the duties of the position.

For accumulation of overtime hours, pay for holidays and vacations shall be considered as hours worked.

Overtime Levels

For purposes of overtime only, EOCWD employees are divided into two categories as follows:

NON-EXEMPT EMPLOYEES

- Office Manager
- Administrative Assistant
- Administrative Analyst
- Part-Time Office Assistant
- Operations & Maintenance Superintendent
- Distribution Worker I
- Distribution Worker II
- Distribution Worker III

EXEMPT EMPLOYEE

- General Manager

Overtime Hours

Overtime worked by Classified employees shall be paid at the rate of one and one-half (1 ½) times the employee's basic hourly rate for the Standard Work Schedule as follows:

- Hours worked in excess of eight (8) hours on a Monday through Friday;

- Hours worked in excess of forty hours (40) in any work week, but not in addition to overtime paid for hours worked in excess of eight (8) in any one work day;

- All time worked on any EOCWD designated holiday;

- Vacation Leave, Sick Leave, Holiday Leave, Jury Leave and/or

Compensatory Time are not "worked time" and cannot be used to calculate daily or weekly overtime hours.

Overtime worked by Classified employees shall be paid at two (2) times the employee's basic hourly rate for the Standard Work Schedule as follows:

- Hours worked in excess of twelve (12) hours in any one work day.
- Vacation Lave, Sick Leave, Holiday Leave, Jury Leave and/or Compensatory Time are not "worked time" and cannot be used to calculate daily or weekly double overtime hours.

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Overtime worked by Exempt employees is expected and is compensated by and within the salary and benefits paid to Exempt employees. Exempt employees are not eligible for monetary compensation or compensating time off for overtime worked, except in unusual and extenuating circumstances as determined by the Board of Directors. If the Board of Directors makes such determination, Exempt employees may be granted periodic compensating time off when work schedules permit.

Compensatory Time

Employees must obtain approval from the General Manager prior to working past 40 hours per week or 8 hours in the day. The use of compensatory time must be requested and approved by the General Manager. Only Non-Exempt Employees shall be eligible for Compensatory Time.

Non-Exempt Employees – Non-exempt employees have the option of taking compensatory leave time instead of overtime pay. A maximum of forty (40) hours per year of Compensatory Time may be accrued at a rate equivalent to one and one half (1 ½) hours for every hour of overtime worked beyond forty (40) hours in a workweek. Compensatory time must be taken within a ninety (90) day period from the time it was earned or it is lost. Vacation, Sick Leave, or other approved Leave are not to be counted as time worked for the purpose of computing compensatory time. Only hours worked and holidays are to be counted. Compensatory Time may be used in-lieu of Vacation and/or Sick Leave for absences under eight (8) hours in a day.

Standby Duty

General Regulations

Standby duty is an assignment of responsibility to remain available to respond rapidly to emergency calls from close of business to opening of business including holidays, and weekends.

Resident Employee

The employee residing in EOCWD'S house on McPherson Road in Orange, Ca, is automatically on Standby Duty for the Retail and Wholesale Zone weekly for the five-day period Monday beginning 7:30 am through Friday 4:00 pm.

Substitute Standby Persons for Resident Employees

On an as-required basis, substitute standby persons will be made available provided prior request is made three (3) days before and is approved by the General Manager. The ~~—~~Operations & Maintenance Superintendent shall make personnel substitute arrangements based upon names provided by the General Manager from those persons who are available for Standby Duty.

Standby Duty When Resident Position is Vacant

If the Resident position is vacant, then the Standby Duty assignment is the seven (7) day period from 4:00 p.m. Friday to 7:30 a.m. the following Friday.

Weekend Standby Duty

The Weekend Standby Duty assignment is for the three (3) day period commencing at 4:00 p.m. on Friday to 7:30 a.m. on Monday. Weekend Standby Duty will be rotated among eligible employees. The General Manager will establish the work schedule during each ninety (90) day period for each employee assigned the duty and may grant exchanges of duty for justifiable reasons. Employees so assigned are authorized to use the duty truck provided by EOCWD only for EOCWD business.

Employees are assigned Standby Duty by the General Manager or Operations & Maintenance Superintendent after they have completed their probationary period or are progressing satisfactorily.

In the event there are an insufficient number of employees requesting Standby Duty, the General Manager shall assign employees to the Standby Duty.

Pay Regulations for Standby Duty

The Resident employee is not eligible for weekday standby pay as the use of EOCWD property for personal residence is considered in-lieu compensation. Compensation for after hours worked is listed above under Overtime Hours.

The employee performing Standby Duty between close of regular business hours on Friday 4:00 pm and opening of regular business on Monday 7:30 am shall be paid one (1) hour at straight time for every eight (8) hours of Standby Duty. (Friday, 4:00 pm to 12:00 midnight and Monday 12:00 midnight to 7:30 am shall be considered eight (8). Therefore, the total hours paid at straight time for weekend Standby shall be eight

(8) hours. Employee will be paid minimum two (2) hours per day at overtime pay (1½ * base wage) for actual rounds worked on the weekend and holidays. Compensation for after hours worked is listed above under Overtime Hours.

Rounds are defined as visual inspection of the district's pumps, wells, reservoir sites, chlorination equipment and SCADA.

In the event a Services Contract is in existence with another water agency, Resident Retail Zone employee shall also be paid one (1) day additional hour per day straight time Standby Duty on weekends. Employees, other than Resident employee, shall be paid for Standby Duty as stated above under Overtime Hours.

Pay Regulations for Standby Duty Non-Resident Employees

The Standby Duty hourly rate of pay shall be the employee's regular salary. The hours credited for Standby Duty shall be in accordance with the following:

- Monday (7:30 am) through Friday (4:00 pm) – Two (2) hours straight time daily (if not residing in EOCWD property)

- Saturday and Sunday - One (1) hour straight time for every eight (8) hours each day standby and two (2) hours minimum at overtime pay (1½ * base wage) each day for actual rounds worked.

Standby Pay for Holidays Observed by EOCWD

An additional one (1) hour at the Standby rate for every eight (8)hours on standby shall be paid in addition to eight (8) hours regular holiday pay.

Emergency Call-Out Compensation

All actual time worked in excess of eight (8) hours in a day or forty (40) hours in a workweek will be compensated at time-and-a-half regular wages.

Establishment Of Rates Of Pay

New Employees Regular Employees

The starting rate for a newly hired regular employee shall be recommended by the General Manager and approved by the Board of Directors.

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Temporary and Part-time Employees

Temporary and part-time employees shall be paid on an hourly basis at a rate to be determined in each instance in accordance with the level of duties to be performed, but not less than the State of California minimum hourly wage.

Promotions

Effective upon promotion, employees shall receive an increase in basic salary recommended by the General Manager and approved by the Board of Directors.

Reassignments/Demotions

If it is determined at any time during the probationary period that a promoted employee cannot perform the duties of the new position, the employee will be reassigned to another position at the discretion of the General Manager and approved by the Board of Directors. The basic salary of employees demoted at their own request to their previous position in a lower salary range shall be their previous salary.

In the event of a disciplinary demotion, the employee's salary shall be set at a rate, which is at least five percent (5%) less than the rate received in the previous position.

Lateral Transfers

Except as otherwise determined by the Board, the basic salary of employees transferred to another position that does not reflect a promotion or demotion shall be unchanged.

Recall from Layoff

The basic salary of employees recalled from layoff to the same position as that from which they were laid off shall be the same salary that they were paid when laid off. The basic salary of employees recalled from layoff to a position with a lower salary than they occupied when laid off shall be their rate at the time of layoff or the rate for the new position, whichever is lower.

Merit Increases

Merit reviews and consideration for an increase will be given to employees annually at the beginning of EOCWD's fiscal year. Merit increases are not an automatic event, but are based upon proficient job performance, merit reviews, and other pertinent information available to EOCWD. The General Manager shall review the performance of employees prior to the eligible date for a merit increase. The reviews will point out areas in which performance is good and those areas in which improvement is needed. The employee's future with EOCWD, such as career goals and how to attain them, will also be discussed.

Merit advancement shall be based upon the following:

- The determination by the General Manager that the employee's performance is meeting the expectations of EOCWD. Such determination relates to the entire job performance including quality of work, level of work effort, (productivity) job attitude, cooperation , desire to learn, willingness and ability to accept responsibility, punctuality, regularity of attendance and an obvious desire to excel, among others; and
- Approval of the merit increase by the Board of Directors.

BENEFITS

Vacations - Vacation Allowances

Employees accrue vacation credit in accordance with the following schedule:

Continuous Employment	Hrs/month Month	Hrs/year Maximum
Upon completion of one (1) year	6.67	80.0
Upon completion of five (5) years	10.00	120.0
Upon completion of fifteen (15) years	13.33	160.0

Computation of Vacation Credit

Vacation credit is accrued on a monthly basis except during the first and last months of employment when pro-rated credit is given for full days worked.

Vacation credit shall not accrue during unexcused absences or during the following absences that extend for five (5) or more accumulated full working days:

- Time between a layoff and rehire
- Approved personal, or indefinite military leave of absence, unless otherwise provided by law.
- Approved medical leave.

Temporary and part-time employees do not accrue vacation credit and are not eligible to take paid or unpaid vacation time off, unless specifically provided for by determination of the Board of Directors.

Use Of Vacation Credit

An employee is not eligible to use accumulated vacation credits until he/she has been employed continuously for a minimum of one (1) full calendar year commencing with the date of hire. The use of vacation credits shall not exceed the number of whole days of vacation credit accrued by employees as of the day their vacation commences.

Vacation shall be scheduled so as not to interrupt normal operations of EOCWD. The scheduling of vacation time is subject to approval by the General Manager, who may require that request for vacation be submitted up to thirty (30) days in advance of the requested start of the vacation. If EOCWD needs require a change in any previously scheduled and approved vacation, reasonable advance notification of such a change will be given to affected employees.

Vacation time off shall not be for a period of less than one (1) day.

Employees may accumulate unused vacation credits to a maximum of 160 hours. Vacation credits stop accumulating when the employee's accumulated total of unused credits reaches 160 hours and for so long as such credits stand at that figure. Except upon termination, or except as provided under Termination (pg 15), in no event shall employees be paid compensation in lieu of vacation time off. An EOCWD holiday occurring during an employee's vacation shall not be considered as a day of vacation.

Subject to the provisions of the Sick Leave Section of this personnel policy, an employee who becomes ill while on vacation and provides written proof thereof from a physician, may use accumulated sick leave in lieu of vacation time for the period of such illness; provided, however, that EOCWD is not obligated to extend the vacation beyond the scheduled expiration date.

*An employee who is receiving State Disability Insurance (SDI) or Worker's Compensation payments may use accrued vacation to supplement said payment provided that the total amount received shall not exceed 90% of the employee's regular salary.

Termination

Employees who terminate after completing six (6) full months or more of continuous employment shall be paid for all accrued and unused vacation credits at their rate of pay at the time of termination. Continuous employment for any period of time less than six (6) full months shall not entitle an employee to be paid for unused vacation credits upon termination.

Posting Vacation Credit

EOCWD will provide the accumulated vacation credits of each employee on their paycheck information.

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Holidays

Recognized Holidays

District policy provides for eleven (11) specific holidays, including a floating holiday as follows:

- New Year's Day (January 1)
- President's Day (third Monday in February)
- Memorial Day (last Monday in May)
- Independence Day (July 4)
- Labor Day (first Monday in September)
- Veteran's Day (November 11)
- Thanksgiving Day (fourth Thursday in November)
- Friday immediately following Thanksgiving Day
- 1/2 Day before Christmas (December 24)
- Christmas Day (December 25)
- 1/2 Day before New Year's Day (12-31)
- One (1) floating holiday at the employee's choice, as approved by the General Manager, with at least one (1) week's advanced notice. Cannot be accumulated.

Saturday and Sunday Holidays

A holiday falling on Saturday shall be observed on Friday, the day preceding, and a holiday falling on Sunday shall be observed on Monday, the day following.

Holiday Pay

Regular employees are paid for eight (8) hours at their basic hourly rate for each of the eight (8) hour holidays listed above.

Temporary and part-time employees are ineligible to receive holiday pay.

If regular employees, who are not on standby, are required to work on a holiday, they are paid at the rate of one and one-half (1 ½) times their basic hourly rate for hours actually worked up to eight (8) in addition to straight time holiday pay. For hours worked over eight (8) they are paid two (2) times their basic hourly rate.

Employees assigned to standby duty are paid for holidays in accordance with the provisions stated under Compensation.

Employees on an approved medical or temporary military training leave of absence or on a leave for job-related injury or occupational disease

shall be paid holiday pay as provided above. Employees on any other type of leave of absence shall receive no holiday pay for any holiday occurring during their leave of absence.

Employees on jury duty shall be paid holiday pay as provided above for any EOCWD holiday observed during the periods of jury service.

Eligibility for Holiday Pay

Employees are not entitled to holiday pay if they extend a holiday by unexcused absence on the last regular workday before or the next regular workday after a holiday.

Leaves

Sick Leave

Accumulated sick leave credits may be used for:

- Absences caused by an employee's incapacitation which resulted from illness, injury, or pregnancy except if such incapacitation occurred while the employee was engaged in outside employment or was a result of outside employment.
- Absences resulting from work related injuries or illness, which is not compensated by Worker's Compensation.
- Quarantine imposed by public health authorities.
- Diagnosis, care, or treatment of an existing health condition of, or preventive care for, an employee or an employee's family member.
- Medical and dental office appointments, with prior approval of the employee's supervisor, which shall be granted only if the employee satisfies the supervisor that an appointment cannot be made at a time outside the regular work day.
- Illness or injury or death of the employee's father, mother, brother, sister, spouse, child, or grandparents; provided that payment of basic salary during absence for this reason shall continue for no more than three (3) work days per calendar year.
- Voluntarily induced periods of physical incapacitation, provided that not more than twenty (20) days may be used in any calendar year. For purposes of this section, voluntarily induced physical incapacitation means incapacitation resulting from cosmetic surgery and non-physician directed sterilization.
- For an employee who is a victim of domestic violence, sexual

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assault, or stalking, for the purposes of the following relating thereto: seeking medical attention for injuries, obtaining services from a domestic violence shelter, program, or rape crisis center, obtaining psychological counseling, or participating in safety planning and taking other actions to increase safety.

- For taking time off to serve as required by law on an inquest jury or trial jury, if the employee, prior to taking the time off, gives reasonable notice to the employer that the employee is required to serve.

- A supplementary payment to SDI or Worker's Compensation payments which, when combined with said payments, results in a maximum payment of 90% of the employee's regular salary.

Sick Leave Allowance

Beginning at the commencement of employment or July 1, 2015, whichever is later~~Upon completion of six (6) months continuous service~~, all ~~regular~~ employees shall have a sick leave allowance of ~~one (1~~1.25~~)~~ hours~~7.25 hours~~ for every 30 hours worked~~each full month of continuous employment~~. ~~After completion of six (6) months of continuous service, the amount accumulated is retroactive to the date of hire.~~

An employee who, after July 1, 2015, works 30 or more days within a year from the commencement of employment is entitled to paid sick leave as provided herein.~~Temporary and part-time employees are not eligible for sick leave.~~

An employee shall be entitled to use accrued paid sick days beginning on the 90th day of employment and thereafter may use paid sick days as they are accrued. Accrued paid sick days shall carry over to the following year of employment. Unused sick leave allowance may be accumulated to a maximum of 120 hours.

Each year on the last day of November, employees who have accumulated an allowance in excess of (120) hours shall be given the choice of payoff or credit to vacation of one-half (1/2) of the amount in excess of (120) hours and the remaining one-half (1/2) shall be canceled. If employee chooses payoff it will be included in the first pay date of December.

If the need to use paid sick leave is foreseeable, the employee shall provide reasonable advance notification. If the need is unforeseeable, the employee shall provide notice of the need for the leave as soon as practicable.

Sick leave allowance shall not be credited for unapproved absences or during the following absences, which extend for five (5) or more accumulated full working days:

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- Approved personal or indefinite military leave of absence, unless otherwise provided by law, and approved medical leave.

The amount of each employee's accumulated allowance shall be posted at least quarterly.

Absence due to any of these causes shall be deducted from the employee's accumulated sick leave allowance, provided:

- The General Manager is notified during regular working hours as promptly as possible as to the reason for and probable duration of the absence.

Injuries sustained on the job must be reported to the General Manager as soon as possible and, in any event, within twenty-four (24) hours after the injury has occurred.

Upon return to work after an absence of five or more days due to personal illness, injury, or pregnancy, employees shall be required to provide the General Manager with a written statement from the attending physician concerning the reason for the absence and physician's release to return to work.

Sick leave shall not be used for absence on a holiday on which an employee is scheduled to work.

In no event shall paid sick leave exceed the employee's accrued sick leave allowance.

The minimum charge to an employee's sick leave allowance shall be one (1) hour. Absence of more than one (1) hour shall be charged to the nearest full hour. The rate of pay shall be the employee's hourly wage. If the employee had different hourly pay rates in the 90 day period prior to taking accrued sick leave, then the rate shall be determined by dividing the employee's total wages, not including overtime premium pay, by the total hours worked in the full pay periods of the prior 90 days of employment.

Periods of incapacity of one (1) day or more due to illness, injury, or pregnancy while an employee is on paid vacation may be charged to the employee's sick leave allowance, provided:

- The incapacity is of such a nature as to prevent the effective use of the vacation and would prevent the performance of normal duties if the employee were not on vacation.

- Notice is given to the employee's supervisor within four (4) calendar days of the onset of the incapacity or the end of the scheduled vacation period, whichever is earlier.

- Upon return to work, the employee presents a statement from the attending physician concerning the reason for the incapacity.

Termination

Upon termination, payment shall not be made for any accumulated but unused sick leave. If an employee is rehired by the District within one year of termination, previously accrued and unused paid sick days will be reinstated.

Bereavement Leave

Whenever employees are compelled to be absent from work because of the death of a member of their immediate family, no deduction shall be made from their basic salary on account of such absence, which shall not exceed three (3) days for each incident.

"Immediate family" of the employee is defined as parents, parent-in-law, stepparents, spouse, child, brother, sister, grandparents, and grandparents-in-law.

Compensation for absence due to bereavement shall not be deducted from either an employee's accumulated sick leave or vacation credits.

Personal Leave of Absence Without Pay

The General Manager with the concurrence of the Board may grant a personal leave of absence without pay of not more than two (2) calendar weeks to an employee requesting it in writing at least two (2) weeks in advance of the requested start of the leave. If circumstances prevent such advance notice, this requirement may be waived.

If an unusual emergency occurs which would prevent the employee from returning to work at the end of the leave, upon formal request, the General Manager, subject to Board concurrence, may grant one (1) extension of up to two (2) calendar weeks.

Medical Leave For Job Related Injury Or Disease

Non-Job Related Illness or Injury

Employees who are ill, injured, or pregnant and present satisfactory proof attesting to such illness, injury, or pregnancy signed by an attending physician, may be granted a medical leave for a period of not to exceed three (3) months. Where circumstances permit, EOCWD shall be given two (2) weeks notice in advance of the requested commencement of the leave.

If, at the expiration of a medical leave, the employee is physically unable to return to work, the leave may be extended for a maximum of three (3) months. The request for an extension shall be made in writing prior to the expiration of the leave and shall be accompanied by a statement signed by an attending physician setting out the reason for the employee's inability to return to work and the probable date of

return.

During the course of the leave or extension thereof, if requested by the EOCWD, the employee shall submit to an examination by a physician designated and paid for by EOCWD. Upon such an examination, should EOCWD's physician determine that the employee is able to return to work, the medical leave will be terminated in accordance with such physician's findings.

Job Related Injury or Occupational Disease

An employee who sustains a job-related injury or incurs an occupational disease arising out of and during the course of employment by EOCWD, will be granted a leave automatically for the full period of legal temporary disability.

Payment during this period shall be made of basic salary during absence on such a leave.

Military Leave Of Absence

Indefinite

To the extent the law may require, upon presenting a copy of an employee's military orders to the General Manager, an employee who enters the Armed Forces by enlistment, induction, or recall from reserve status shall be granted a military leave of absence for the full period of service.

Temporary Military Leave

Payment of employees on temporary military leave is governed by Section 395.01(a) of the Military and Veteran Code of the State of California: "Any public employee who is on temporary military leave of absence for military duty ordered for purposes of active military training, encampment, naval cruises, special exercises, or like activity as such member, provided that the period of ordered duty does not exceed 180 calendar days including time involved in going to and returning from the duty, but not for inactive duty such as scheduled reserve drill periods, and who has been in the service of the public agency from which the leave is taken for a period of not less than one year immediately prior to the day on which the absence begins shall be entitled to receive his salary or compensation as such public employee for the first thirty (30) calendar days in any one fiscal year. For purposes of this section in determining the one year of public agency service, all service during the military leave of said public employee in the recognized military service shall be counted as public agency service."

The time when military leave may be taken shall be subject to the General Manager's discretion and applicable military regulations.

Jury Duty Leave

Employees who perform jury duty are granted time off without loss of pay for the actual period of service required for such duty. Employees will be paid the difference between their basic salary and the jury duty pay they receive, not including reimbursed expenses.

Maternity Leave Of Absence

A maternity leave without pay may be taken up to one (1) calendar month before birth and extending up to three (3) calendar months following birth.

Voting

Time off work for voting in general, direct primary, or presidential primary elections is in accordance with the laws of California which provide, in substance, as follows:

If an employee who is a registered voter does not have sufficient time outside working hours in which to vote, the employee may take off enough time from work, when added to available voting time outside working hours, which will enable the employee to vote. Up to two (2) hours of such time off work shall be allowed before time off is deducted from the employee's pay.

Time off from work must be at the beginning or end of the regular work day, whichever will permit the most free time for voting and the least time off work.

At least two (2) days notice, in writing, in advance of the election must be given by the employee who requests time off work to vote.

Conditions of Leaves

Except as otherwise provided herein, all leaves of absence shall be without pay.

An employee who engages in outside employment, either for another employer or in self-employment, during a leave of absence may be deemed to have quit without notice, unless such activity is expressly authorized by EOCWD at the time the leave is granted.

An employee who exceeds a leave or an approved extension thereof shall be deemed to have quit without notice.

An employee on a leave of absence extending beyond thirty (30) days must request a restoration of his position five (5) days before the requested day to return to work.

Employees, who are absent without approval for more than three (3) consecutive regularly scheduled workdays, shall be deemed to have quit without notice.

Insurance

EOCWD provides a comprehensive program of insurance for all regular employees and their dependents. Part-time and temporary employees are not covered by EOCWD's insurance plans. Details concerning insurance benefits are contained in separate documents that are issued from time to time to each regular employee. This document describes the provisions of the Group Policy principally affecting the persons insured. The final interpretation of any specific provisions in this booklet is governed by the terms of the Group Policy. Eligible employees and dependents are covered as follows:

Coverage of employees commences on the first day of the calendar month next following the date of completion of one (1) month of service if they are not away from work due to disability on that date. If an employee is off work due to disability, insurance coverage starts upon the employee's return to active full-time work.

Enrolled dependents are covered on the date the employee's insurance is effective or on the date an individual becomes a dependent and is enrolled, whichever is later.

Retirement Plan

EOCWD's PERS Retirement Plan provides benefits to participating employees upon retiring. The details of these benefits are set forth in separate documents issued to regular employees.

Regular employees are automatically enrolled upon employment based on PERS guidelines.

Educational Assistance

Purpose

In order to encourage employees to develop and improve their job-related skills through continuing education, EOCWD has established an assistance plan for employee education.

Qualifications

To become eligible for assistance, employees must:

- Have been continuously employed at least six (6) months and successfully completed the probation period unless an exception is approved by the Personnel Committee;
- The course or program must be approved by the General Manager;
- Courses must be selected from those given by an accredited or

approved college or school which relate directly to their present or future assignments, and do not conflict with their regular work schedule, unless approved by the General Manager; and

- Submit a written request for course or program approval.

All courses must be approved in writing by the General Manager and the Personnel Committee prior to the beginning of the course.

Reimbursement

Employees who receive approval for courses or a program, continue to be employed by the EOCWD, and achieve a final grade of "C" or better, will be fully reimbursed on a semester or course basis, whichever is applicable, for the cost of tuition, registration fees, and required text books.

Reimbursement will be equal to the cost requirements at the least expensive educational institution offering the same or equivalent course or program.

Original receipts from the educational institution will be required before reimbursement payment will be processed.

Uniform/Identification Cards

All employees who are provided with uniforms are required to wear them at all times on the job. Employees who are provided an identification card or badge shall carry or wear it while on the job.

Credit Union

Employees are eligible to join the Orange County Employee's Federal Credit Union. Membership entitles an employee a convenient form of savings and a possible source of credit.

LAYOFF AND RECALL

Layoff

In the event a reduction in EOCWD's labor force becomes necessary, EOCWD will determine employees who are to be laid off, with consideration given to work needs, employee's work performance, and length of continuous employment.

EOCWD shall first determine the classifications from which employees subject to layoff will be drawn. All employees in the selected classifications shall be subject to layoff, except employees who have special or unique skills essential to EOCWD operations. Part-time, temporary, and probationary employees in classifications from which

positions are to be eliminated shall be subject to layoff or termination prior to regular, non-probationary employees.

Work performance shall be the primary determinant of the order of layoff among employees subject to layoff. Employees whose performance is the least satisfactory will be laid off first.

Among employees whose work performance is relatively equal, those employees with less continuous employment will be laid off first.

Re-Employment List

Regular employees who have been laid off shall be placed on the employment list in the reverse order of their layoff; i.e., the last employee laid off shall be the first eligible for recall.

Employees laid off for a continuous period in excess of one (1) year shall no longer be eligible for recall, and their names shall be removed from the recall list. However, an employee may request that his name be retained on the list for an additional year if the employee request is received prior to the end of the one-year period.

Recall

When new jobs are created or vacancies occur, the General Manager shall determine whether there are employees on the recall list who are qualified to fill such jobs.

Employees on the recall list are eligible to be recalled in reverse order of layoff, first, to a position from which they were laid off. If no vacancies occur in their former position and if they are qualified, they are eligible for recall to another, lower position.

An employee who is offered and refuses to accept a position, from which he was laid off, shall lose all recall rights under these rules.

SAFETY

Employees shall conduct their job duties in a safe manner in compliance with the District's written Injury Prevention Program and all CAL-OSHA rules and regulations.

All employees shall wear seat belts while driving or riding as a passenger, in a district vehicle or using a personal vehicle on district business.

Hard hats shall be worn when there is any hazard from overhead work.

Orange Safety Jackets shall be worn when there is any hazard from road traffic.

All employees in the area shall wear impact goggles during use of jackhammers or other means of concrete breaking.

Non-prescription safety glasses are provided for all employees and are required for all work where eye hazards exist.

One pair of prescription safety glasses is provided for each employee that wears prescription glasses. There is no cost for the glasses; however, the employee must provide the prescription at their own cost.

UNRESOLVED PERSONNEL MATTERS PROCEDURE

A procedure has been established for the following purposes:

- Promoting improved employer/employee relations by establishing an appropriate means for determining the validity of a personnel matter which remains unresolved; i.e., claims by an employee that EOCWD has violated, misinterpreted, or misapplied an obligation to the employee as such obligation is expressed and written in the EOCWD's employee policies and procedures;

- Providing a method of resolving such claims as closely as possible to the point of origin and as informally as possible, and encouraging communications between supervisors and employees.

Procedure Steps

Step One: Immediate Supervisor

An employee who has an unresolved matter shall first discuss it informally with his/her immediate supervisor within five (5) working days after he/she knew or reasonably should have known of the occurrence of the cause for the matters or issue. (Step Two is to be omitted if the immediate supervisor is the General Manager).

Step Two: General Manager

If the matter or issue is not resolved within two (2) working days after its submission in Step One, employee may submit the matter or issue in writing to the General Manager within five (5) working days thereafter. The General Manager shall meet with the employee within two (2) working days after submission of the matter or issue and shall deliver his/her answer in writing to the employee within two (2) working days after such meeting.

Step Three: Operations Committee of the Board of Directors

If the matter or issue is not resolved in Step Two, the employee may submit it in writing to the Operations and Personnel Committee of the Board of Directors within five (5) working days after receiving the

matter or issue and shall deliver its answer to the employee in writing within five (5) working days after such meeting.

Step Four: Board of Directors

If the matter or issue is not resolved in Step Three, the employee may submit it in writing to the Board of Directors by requesting the Operations and Personnel Committee to arrange for a hearing before the Board at its next regular meeting. This time limit may be extended to a definite date by mutual agreement of the employee and the Operations and Personnel Committee. The Board of Directors shall respond to the matter or issue at their next regular meeting following the Board's meeting at which the matter/issue was heard or as soon as mutually convenient.

General Provisions

If appeal for one of the above-described steps is not made within the time limits indicated, the matter/issue will be considered to be settled on the basis of the last decision rendered. Any matter/issue not responded to within the prescribed time limits will automatically be advanced to the next higher step unless the time limit is extended by mutual agreement.

Employees are assured freedom from reprisal for using this procedure to resolve personnel matters.

PERSONAL CONDUCT

In order to safeguard the best interests of themselves, EOCWD, and the public, all employees are expected to comply with standards of conduct on the job at least equivalent to those all citizens must meet in private life.

In performing their work, employees may come into contact with the public, which judges the EOCWD service by the appearance and behavior of its employees and has the right to expect good manners and service. When employees encounter discourteous persons, it is especially important for them to maintain a helpful attitude. Continuing courtesy on the part of employees, in spite of an occasional irate individual, will do much to perpetuate the excellent relationship that exists between EOCWD employees and the community.

EOCWD Property

Employees in possession of keys to EOCWD premises shall not permit their keys to be used by unauthorized persons, and shall not permit persons not conducting official EOCWD business or authorized Governmental or peace officers, to enter EOCWD's premises or facilities except those portions open to the public. Employees shall lock and secure gates and buildings when they vacate them.

Every job in EOCWD requires the use of District supplies, materials, and equipment. It is the employee's responsibility to maintain District property and equipment in the best possible condition and to make the most economical use of supplies.

Use of Telephone

While it is understood that the use of District telephones and cell phones for personal reasons is occasionally necessary, the privilege must not be abused and time spent with a personal call should be kept to a minimum. Personal toll calls are not to be charged to the District, as this will be considered misappropriation of public funds.

Personal Use of EOCWD Property

EOCWD vehicles and equipment shall not be utilized for personal use; provided, that the General Manager's assigned vehicle may be used for commuting between EOCWD and the General Manager's personal residence.

Use of EOCWD Residence and Residence Sites

Use of the EOCWD residence and residence site shall be governed by separate agreement or arrangements with the affected employee.

Misconduct

Supervisors are responsible for carefully investigating those cases in which it is believed that an employee has engaged in misconduct and shall take appropriate corrective action.

DISCIPLINARY ACTION

Kinds of Disciplinary Action

The following disciplinary action may be taken against any employee either by the General Manager or his designee.

- Oral or written warning.
- Suspension (an involuntary absence without pay).
- Demotion (subject to Board approval).

Demotion is defined as a reduction from a position to another position having a lower salary effected for disciplinary purposes. (Demotions resulting from employee's inability to perform required duties, organizational changes, and layoffs are not disciplinary).

Dismissal (subject to Board approval): Dismissal is defined as a discharge from employment with EOCWD.

Cause for Disciplinary Action

It is intended that discipline be imposed primarily for corrective purposes and to address deficiencies in work performance. The following is a non-exclusive list of the more common causes for disciplinary action that are contrary to the employment policies and procedures of EOCWD:

- Inefficiency or incompetence.
- Willful disobedience or insubordination.
- Self-imposed physical or mental disability.
- Dishonesty.
- Consumption of alcoholic beverages or the use or possession of illegal drugs during regular work hours, including lunch hour, and reporting to work under the influence of alcohol or illegal drugs.
- Possession of weapons or firearms while on duty
- Disorderly or immoral conduct.
- Discourteous treatment of the public.
- Conviction of a felony.
- Absence without approved leave.
- Excessive tardiness
- Poor work attitude or neglect of duty or failure to perform any assigned task or duty.
- Actions incompatible with, or not in the best interests of, public services.
- Failure to follow safe working practices or failure to promptly report an injury.
- Threats against the District or its employees
- Willful failure to read customer water meters.

Cause for Termination

Of the causes listed above, it should be noted that the following, due to the extreme seriousness of the matter, might be cause for immediate termination:

- Alcohol or drug abuse.
- Willful failure to read meters, or misrepresentation of any water meter reading, including use of estimates.
- Conviction of a felony.
- Possession of weapons or firearms while on duty
- Threats against the District or its employees

Alcohol And Drug Policy

The purpose of this policy is to establish a safe healthy working environment for all employees.

Those employees with drug and alcohol abuse problems usually make up only a small fraction of the work force, and EOCWD regrets any inconvenience that may be caused the many non-abusers by the problems of a few. It is believed, however, that the benefits to be derived from the reduction in number of accidents, the greater safety of all employees, and the termination of those who, because of alcohol or drugs, are a burden upon all other employees, will more than make up for any inconvenience or loss the rest of the employees might be subjected to. EOCWD earnestly solicits the understanding and cooperation of all employees in implementing the policies set forth herein.

Definitions

Alcohol or Alcoholic Beverages - any beverage that may be legally sold and consumed and that has an alcoholic content in excess of .05% by volume;

Drug - any substance (other than alcohol) capable of altering the mood, perception, pain level, or judgment of the individual consuming it;

Prescribed Drug - any substance prescribed for the individual consuming it by a licensed medical practitioner;

Illegal Drug - any drug or controlled substance, the sale or consumption of which is illegal.

Alcoholic Beverages

District employees shall not consume alcoholic beverages on District premises, property, work sites, while on District business inside or outside the District, or in vehicles during scheduled work hours or lunch, except in connection with District authorized events.

Drinking or being under the influence of alcoholic beverages while on duty is cause for termination.

Any employee whose off-duty abuse of alcohol results in excessive absenteeism or tardiness or is the cause of accidents or poor work will be terminated.

Prescription Drugs

No prescription drug shall be brought upon District premises by any person other than the person for whom the drug is prescribed by a licensed medical practitioner, and shall be used only in the manner, combination and quantity prescribed. If this prescription drug may cause drowsiness or other similar effect, the employee is to notify the Supervisor prior to beginning of work shift.

Illegal Drugs

The use of an illegal drug or controlled substance or the possession of same on duty is cause for termination.

The sale, trade or delivery if illegal drugs or controlled substances by an employee to another person at any time is cause for termination and for referral to law enforcement authorities. Any employee whose off-duty abuse of illegal drugs results in absenteeism or tardiness or is the cause of accidents or poor work will be terminated.

Safety of Work Force

If the District has probable cause to believe that any employee or group of employees is involved in the misuse of alcohol and/or illegal drugs and that misuse could lead to the endangerment of the employee, fellow employees and/or District property, EOCWD can require that the employee(s) participate in the following:

- Medical screening to include urinalysis and/or blood test for determining use of alcohol and/or drugs.
- Search of any vehicle brought upon or parked upon District premises. Search of any pocket, package, purse, briefcase, tool box, lunch box, or other container brought upon District premises.
- Search of desk, file, cabinet, etc.

Note: Medical screening and/or searches will not be conducted without the knowledge and consent of the Operations and Personnel Committee and/or Board of Directors. A written report for each search and/or medical screen will be prepared and submitted to the Board for review.

The District encourages employees who feel that they have developed an addiction to, dependence upon or problem with alcohol or drugs, legal or illegal, to seek assistance and rehabilitation. Assistance may be sought by contacting the General Manager.

All contacts are totally confidential and are not considered part of an employee's personnel file.

Notification of Proposed Disciplinary Action

An affected employee shall be given prior notification of a proposed disciplinary action. Notification shall include a statement of the proposed action and reasons

therefore. A copy of the notice shall be sent to the Operations and Personnel Committee and the Board.

Administrative Review

All employees, with the exception of management, probationary, part-time, and temporary employees, shall have the right to an Administrative Review of a disciplinary suspension, demotion, or dismissal. Such review will be conducted by the Board's Operations and Personnel Committee prior to the effective date of the disciplinary action unless unusual circumstances justify an effective date which makes prior review unfeasible. In this event, the review shall be conducted within a reasonable period of time after the effective date of the disciplinary action. If requested, the employee shall be provided copies of materials supportive of the disciplinary action and permitted to appear personally before the Operations and Personnel Committee.

California Driver License

All employees who drive District vehicles are required to possess and maintain a valid California driver’s license. All employees are required to immediately notify the District General Manager if license is lost, suspended, restricted, revoked, or a driving citation is received while driving a District motor vehicle. Violation of this policy may result in suspension or termination of employment at the discretion of the District. The District's insurance carrier requires annual copies of employee's driving records be made available for District review.

EAST ORANGE COUNTY WATER DISTRICT

MEMO

TO: BOARD OF DIRECTORS

FROM: GENERAL MANAGER

SUBJECT: STRATEGIC PLANNING EFFORT UPDATE

DATE: MAY 21, 2015

Background

At the April 11, 2015 Special Meeting, the Board authorized the retention Mr. Ed Means of Means Consulting, LLC to assist the District with the preparation of a Strategic Plan.

On May 8th, Board Members individually met with Mr. Means to review district issues and priorities. Mr. Means has reviewed this information and is preparing for the workshop session which is scheduled to be held on Friday, March 29th from 8:00 – 2:30 p.m. A light breakfast and lunch will be served.

Further workshop information will be provided to the Board in an agenda that will be produced prior to the workshop meeting.

Recommendation

The Board schedule a Special Workshop Meeting for Friday, May 29, 2015 and adjourn this meeting to that date.

EAST ORANGE COUNTY WATER DISTRICT

DISBURSEMENT SUMMARY
May 21, 2015

WHOLESALE AND RETAIL BILLS	$567,107.79
DIRECTOR'S PAYROLL	$2,462.93
EMPLOYEE'S PAYROLL	$56,974.15
DISBURSEMENT TOTAL	**$626,544.87**

TRANSFER SUMMARY

TRANSFERS	$ 40,000.00
TRANSFER TOTAL	**$40,000.00**

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

East Orange County Water District
Bills for Consideration
As of May 12, 2015

Date	Num	Name	Credit
1001-10 · Checking-WZ			
04/16/2015	10263	ACWA-JPIA (EMP INSURANCE)	8,343.01
04/16/2015	10264	ARAMARK UNIFORM SERVICES	67.94
04/16/2015	10265	AT&T	31.06
04/16/2015	10266	BOWIE ARNESON WILES & GIANN...	3,042.03
04/16/2015	10267	CA BANK & TRUST	9,991.16
04/16/2015	10268	California Water Environment Associ...	156.00
04/16/2015	10269	COMMUNICATIONS LAB	2,863.75
04/16/2015	10270	CR&R INC.	50.75
04/16/2015	10271	ELITE EQUIPMENT INC	341.17
04/16/2015	10272	EM PIREWEST, INC	324.85
04/16/2015	10273	GENERATOR SERVICES CO, INC	1,260.00
04/16/2015	10274	GRAINGER	35.75
04/16/2015	10275	HACH COMPANY	509.33
04/16/2015	10276	HOME DEPOT CREDIT SERVICES	309.04
04/16/2015	10277	IRVINE PIPE SUPPLY	44.24
04/16/2015	10278	JUBJUB	1,213.00
04/16/2015	10279	LISA OHLUND	318.60
04/16/2015	10280	MATRIX COMPUTER SERVICE	156.90
04/16/2015	10281	MEYERS NAVE	5,184.14
04/16/2015	10282	PARADISE DRINKING WATERS	18.00
04/16/2015	10283	PLATINUM CONSULTING GROUP	6,433.75
04/16/2015	10284	SIGN WORLD	75.87
04/16/2015	10285	SOUTHERN CALIFORNIA EDISON	5,519.60
04/16/2015	10286	TAB ANSWER NETWORK	26.33
04/16/2015	10287	TRUESDAIL LABORATORIES, INC	381.50
04/16/2015	10288	UNDERGROUND SERVICE ALERT	54.00
04/16/2015	10289	WOODLAND MANUFACTURING	845.24
04/28/2015	10290	ACWA- WORKERS COMP	2,877.00
04/28/2015	10291	AT&T	471.42
04/28/2015	10292	TIM HOGAN	2,511.00
04/28/2015	10293	TIME WARNER CABLE	189.99
05/07/2015	10294	ACWA-JPIA (EMP INSURANCE)	9,083.10
05/07/2015	10295	ADT SECURITY SERVICES	544.86
05/07/2015	10296	ARAMARK UNIFORM SERVICES	101.91
05/07/2015	10297	AT&T	625.22
05/07/2015	10298	AT&T LONG DISTANCE	137.34
05/07/2015	10299	BRAITMAN & ASSOCIATES	1,580.00
05/07/2015	10300	C WELLS PIPELINE MATERIALS INC	6,522.66
05/07/2015	10301	CURLEY WHOLESALE ELECTRIC	47.88
05/07/2015	10302	EAST ORANGE COUNTY WATER D...	6,269.85
05/07/2015	10303	G O RODRIGUEZ TRUCKING, INC	2,333.60
05/07/2015	10304	GENERATOR SERVICES CO, INC	945.00
05/07/2015	10305	GOLD COAST WELDING	647.50
05/07/2015	10306	GOVERNMENT STAFFING SERVIC...	3,816.00
05/07/2015	10307	GRAINGER	120.82
05/07/2015	10308	ID MODELING, INC.	1,090.00
05/07/2015	10309	IRVINE PIPE SUPPLY	151.77
05/07/2015	10310	MAIN GRAPHICS	1,848.93
05/07/2015	10311	MATRIX COMPUTER SERVICE	180.00
05/07/2015	10312	MEANS CONSULTING	1,300.00
05/07/2015	10313	PTI SAND & GRAVEL	351.10
05/07/2015	10314	SC FUELS	763.31
05/07/2015	10315	SIGN WORLD	31.32
05/07/2015	10316	SOUTHERN CALIFORNIA EDISON	4,770.38
05/07/2015	10317	TOTAL EXTERMINATING INC	275.00
05/07/2015	10318	TRUESDAIL LABORATORIES, INC	554.00
05/07/2015	10319	UNDERGROUND SERVICE ALERT	94.50
05/07/2015	10320	UNITED WATER WORKS INC.	281.34
05/07/2015	10321	VERIZON WIRELESS	268.74
05/07/2015	10322	VULCAN MATERIALS COMPANY	391.40
05/07/2015	10323	XEROX CORPORATION	50.03
05/07/2015	10324	YO FIRE	783.78
05/12/2015	10325	ALLCOM	195.00
05/12/2015	10326	AMERICAN WATER WORKS ASSOC	413.00
05/12/2015	10327	AT&T	31.06
05/12/2015	10328	CA BANK & TRUST	1,005.27
05/12/2015	10329	CAROLLO ENGINEERING	57,324.50
05/12/2015	10330	COMMUNICATIONS LAB	5,980.00
05/12/2015	10331	CR&R INC.	102.08
05/12/2015	10332	GENERATOR SERVICES CO, INC	936.56
05/12/2015	10333	HOME DEPOT CREDIT SERVICES	1,128.69
05/12/2015	10334	MWDOC	391,698.69

East Orange County Water District
Bills for Consideration
As of May 12, 2015

Date	Num	Name	Credit
05/12/2015	10335	PARADISE DRINKING WATERS	99.50
05/12/2015	10336	PETTY CASH	143.81
05/12/2015	10337	SOUTHERN CALIFORNIA EDISON	6,008.03
05/12/2015	10338	SWRCB FEES	2,083.84
05/12/2015	10339	THE PUN GROUP	75.00
05/12/2015	10340	TOTAL EXTERMINATING INC	275.00
Total 1001-10 · Checking-WZ			567,107.79
TOTAL			**567,107.79**

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

PAYMENT FOR BOARD AND COMMITTEE MEETINGS IN THE MONTH OF MARCH 2015

DATE	CHECK NO	AMOUNT	PAYABLE TO
04/16/15	184	$502.98	BOARD DIRECTOR
04/16/15	185	$274.35	BOARD DIRECTOR
04/16/15	186	$0.00	BOARD DIRECTOR
04/16/15	187	$1,130.60	BOARD DIRECTOR - PRESIDENT
		$1,907.93	TOTAL PAYROLL CHECKS

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

4/16/2015		$378.69	ADP TAXES
4/16/2015		$176.31	PERS ELECTRONIC FUNDS TRANSFER
		$555.00	TOTAL CHARGES & TRANSFER
		$2,462.93	**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*
21-May-15

	CHECK DATE	CHECK AMOUNT	PAYABLE TO
AUTO DEPOSIT	4/1/2015	$ 1,189.47	WATER DISTRIBUTION I
AUTO DEPOSIT	4/1/2015	$ 2,085.69	MANAGEMENT ASSISTANT
AUTO DEPOSIT	4/1/2015	$ 2,024.30	MAINTENANCE AND OPERATIONS SUPERINTENDENT
AUTO DEPOSIT	4/1/2015	$ 1,904.90	GENERAL MANAGER
AUTO DEPOSIT	4/1/2015	$ 1,537.87	WATER DISTRIBUTION II
AUTO DEPOSIT	4/1/2015	$ 1,696.18	ADMINISTRATIVE ASSISTANT
AUTO DEPOSIT	4/15/2015	$ 1,337.29	WATER DISTRIBUTION I
AUTO DEPOSIT	4/15/2015	$ 2,205.80	MAINTENANCE AND OPERATIONS SUPERINTENDENT
AUTO DEPOSIT	4/15/2015	$ 1,900.11	GENERAL MANAGER
AUTO DEPOSIT	4/15/2015	$ 1,637.84	WATER DISTRIBUTION II
AUTO DEPOSIT	4/15/2015	$ 1,709.97	ADMINISTRATIVE ASSISTANT
AUTO DEPOSIT	4/29/2015	$ 1,530.81	WATER DISTRIBUTION I
AUTO DEPOSIT	4/29/2015	$ 2,416.56	MAINTENANCE AND OPERATIONS SUPERINTENDENT
AUTO DEPOSIT	4/29/2015	$ 1,880.97	GENERAL MANAGER
AUTO DEPOSIT	4/29/2015	$ 1,724.46	WATER DISTRIBUTION II
AUTO DEPOSIT	4/29/2015	$ 1,916.86	ADMINISTRATIVE ASSISTANT
		$ 28,699.08	TOTAL PAYROLL CHECKS

PAYROLL TAXES, ADP CHARGES, AND PERS EFT

4/1/2015	$6,385.52	ADP TAXES
4/1/2015	$2,118.34	PERS ELECTRONIC FUNDS TRANSFER
4/1/2015	$242.78	PERS PEPRA MEMBER
4/1/2015	$1,150.00	CAL PERS 457 - ING BANK
4/15/2015	$5,486.55	ADP TAXES
4/15/2015	$1,800.83	PERS ELECTRONIC FUNDS TRANSFER
4/15/2015	$242.78	PERS PEPRA MEMBER
4/15/2015	$1,372.93	CAL PERS 457 - ING BANK
4/29/2015	$6,039.75	ADP TAXES
4/29/2015	$1,806.23	PERS ELECTRONIC FUNDS TRANSFER
4/29/2015	$242.78	PERS PEPRA MEMBER
4/29/2015	$1,386.58	CAL PERS 457 - ING BANK
	$28,275.07	TOTAL TRANSFERS
	$56,974.15	**GRAND TOTAL PAYROLL**

PAYROLL 4/1/2015	PAYROLL 4/15/2015	PAYROLL 4/29/2015
$10,438.41	$8,791.01	$9,469.66
$9,896.64	$8,903.09	$9,475.34
$20,335.05	**$17,694.10**	**$18,945.00**

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

EAST ORANGE COUNTY WATER DISTRICT

FUNDS TRANSFERRED BETWEEN ACCOUNTS
21-May-15

DATE	TRANSFER NO	AMOUNT	FROM	TO	REASON FOR FUND TRANSFER
4/16/2015	T50	$ 40,000.00	CB&T MONEY MARKET	CHECKING	EXCESS FUNDS / BILLS FOR CONSIDERATION

EAST ORANGE COUNTY WATER DISTRICT

DIRECTORS

Richard B. Bell
Douglass S. Davert
John Dulebohn
Seymour (Sy) Everett
William Vanderwerff

Lisa Ohlund
General Manager

Treasurer's Report

May 13, 2015

Board of Directors
East Orange County Water District

The accompanying information contained in Schedule 1, Distribution of Investment Activity for the month April 2015, and Schedule 2, Investment Portfolio, as of April 30, 2015 (which are presented only for supplementary analysis purposes) have been prepared by management who is responsible for their integrity and objectivity. These schedules have not been compiled, reviewed or audited by outside accountants.

East Orange County Water District maintains a system of internal accounting control designed to provide reasonable assurance that assets are safeguarded and that transactions are properly executed, recorded and summarized to produce reliable records and reports.

To the best of management's knowledge and belief, the schedules and related information were prepared in conformity with generally accepted accounting principles, and are based on recorded transactions and management's best estimates and judgments.

Carl R. Schoonover

Carl R. Schoonover
Treasurer

185 N Mc Pherson Road
Orange, CA 92869-3720

www.eocwd.com

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

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

	SECURITY TYPE	BOOK VALUE
BEGINNING BALANCES APRIL 1, 2015		
LOCAL AGENCY INVESTMENT FUND	DEMAND LAIF	6,460,042
RAYMOND JAMES-CDs	DEMAND BROKERAGE	1,536,694
DUE TO FROM OTHER FUNDS	DUE TO/FROM	0
US TREASURY OBLIGATIONS	US TREASURY	0
Total		7,996,736
ACTIVITY		
ADDITIONS		
	DEMAND MM	0
DEPOSIT TO LAIF-FROM CHECKING	DEMAND LAIF	4,122
DEPOSIT TO LAIF-INTEREST	DEMAND LAIF	0
DEPOSIT TO RAYMOND JAMES-FROM CHECKING	DEMAND BROKERAGE	0
DEPOSIT TO RAYMOND JAMES-INTEREST	DEMAND BROKERAGE	1,871
SOLD MS LS US TREAS	MUTUAL FUND	0
TRANSFERS BETWEEN FUNDS	DUE TO/FROM	0
REDUCTIONS		
TRANSFER FROM LAIF TO CHECKING	DEMAND LAIF	0
TRANSFERS BETWEEN FUNDS	DUE TO/FROM	0
TRANSFERS TO CHECKING	DEMAND MM	0
TRANSFER TO RAYMOND JAMES	DEMAND MM	0
SOLD US TREASURY BOND	US TREASURY BOND/NOTE	0
MATURITY OF US TREASURY NOTE	US TREASURY NOTE	0
PURCHASE US TREASURY BOND FED STRIP	TREASURY BOND	0
ENDING BALANCES APRIL 30, 2015		
LOCAL AGENCY INVESTMENT FUND	DEMAND LAIF	6,464,164
RAYMOND JAMES-CDs and CASH	CERTIFICATES OF DEPOSIT	1,538,564
DUE TO FROM OTHER FUNDS	DUE TO/FROM	0
US TREASURY OBLIGATIONS	US TREASURY	0
TOTAL		**8,002,728**

EAST ORANGE COUNTY WATER DISTRICT
SCHEDULE 2 - INVESTMENT PORTFOLIO
APRIL 30, 2015

NAME	SECURITY TYPE AND NUMBER	PURCHASE DATE	MATURITY DATE	INTEREST STATED	INTEREST YIELD	MARKET VALUE	PURCHASE PRICE	PREMIUM OR (DISCOUNT) *	ACCRUED INTEREST *	FACE VALUE	% TO PORTFOLIO
LAIF	DEMAND	N/A	N/A	0.283%	0.283%	6,464,164	6,464,164	0	0	6,464,164	80.81%
RJ-CD	AMERICAN EXPRESS	10/25/12	07/27/15	1.000%	1.000%	100,192	100,000	0	0	100,000	1.25%
RJ-CD	BMW BANK OF N AMERICA	11/19/12	11/12/15	2.000%	2.000%	100,850	102,937	2,898	38	100,000	1.25%
RJ-CD	CIT BANK	03/06/13	03/06/18	1.100%	1.100%	145,932	145,000	0	0	145,000	1.81%
RJ-CD	DISCOVER BANK	10/17/12	10/17/16	1.200%	1.200%	101,108	100,000	0	0	100,000	1.25%
RJ-CD	DISCOVER BANK	02/20/13	02/20/18	1.100%	1.100%	149,538	150,000	0	0	150,000	1.88%
RJ-CD	EVERBANK	01/30/15	11/15/19	1.500%	1.740%	147,789	148,818	-1,650	468	150,000	1.88%
RJ-CD	GE MONEY BANK	10/25/12	08/31/17	1.650%	1.650%	101,329	100,998	754	244	100,000	1.25%
RJ-CD	GE CAPITAL RETAIL BANK	11/19/12	11/09/16	1.350%	1.350%	101,028	100,536	499	37	100,000	1.25%
RJ-CD	GE CAPITAL RETAIL BANK	02/22/13	02/22/18	1.100%	1.100%	149,532	150,000	0	0	150,000	1.88%
RJ-CD	GOLDMAN SACHS BANK	02/13/13	02/13/18	1.200%	1.200%	149,964	150,000		0	150,000	1.88%
RJ-CD	GOLDMAN SACHS BANK	10/11/12	10/03/17	1.550%	1.550%	101,035	99,977	-11	34	100,000	1.25%
RJ-CD	SYNCHRONY BANK	01/30/15	01/30/20	1.800%	1.800%	151,200	150,000	0	0	150,000	1.88%
RJ	CASH	N/A	N/A	0.000%	0.020%	40,297	40,297			40,297	0.50%
					0.488%	$8,003,958	$8,002,728	$2,492	$823	$7,999,461	100.00%

* Monthly adjustments to interest income should be made to amortize accrued interest and premiums/discounts to face value at maturity.

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.

Carl R. Schoonover

CARL R. SCHOONOVER, TREASURER

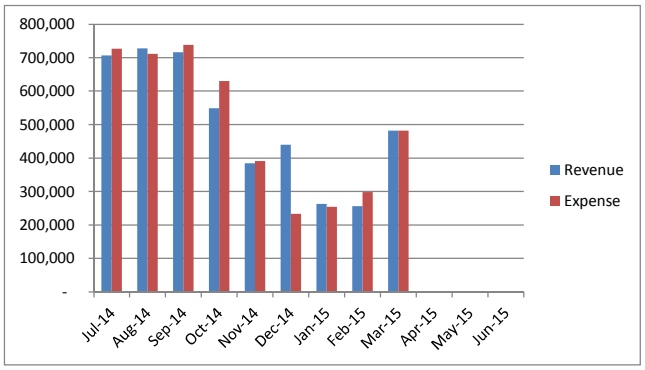
Wholesale Zone Financial Summary

For Period Ending March 31, 2015

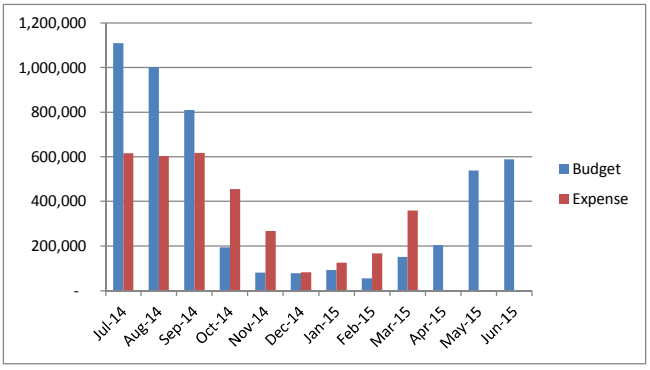
YTD Operating Income $ 4,523,951

YTD Operating Expense $ 4,465,759

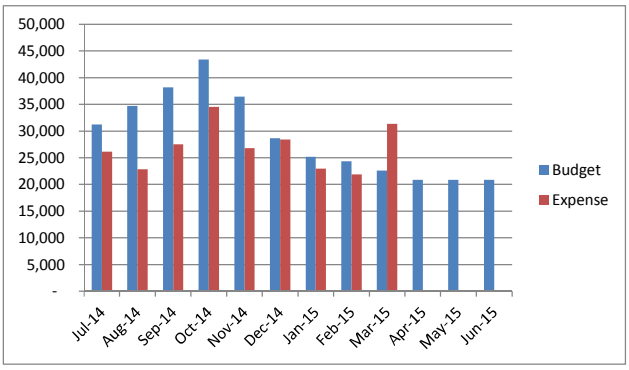
Revenue vs. Expenses



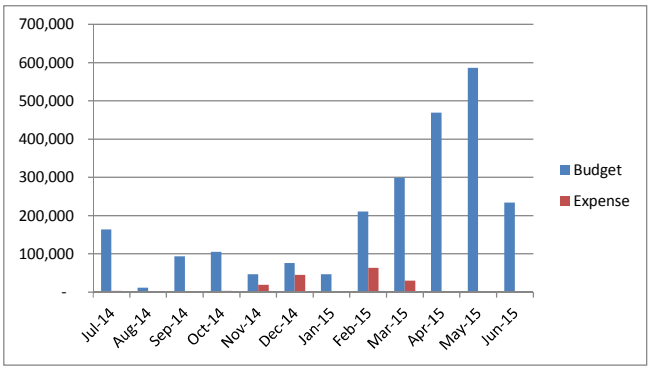
Water Purchased Budget vs. Actual



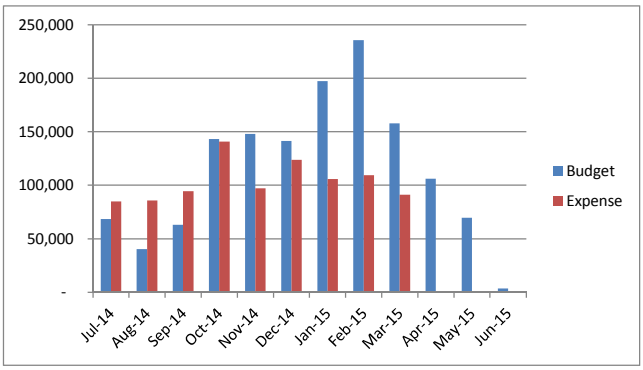
Salaries & Benefits Budget vs. Actual



CIP Budget & Actual



O&M Budget vs. Actual



WHOLESALE ZONE

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

	REVENUE DESCRIPTION	MONTHLY ACTUAL REVENUE	YTD ACTUAL REVENUE	ANNUAL 2014-15 BUDGET	BUDGET $ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
1	OPERATING REVENUE:					
2	WATER SALES	359,712	3,291,823	4,900,985	(1,609,162)	67.17%
3	FIXED CHARGES	50,270	434,495	569,135	(134,640)	76.34%
4	EOCWD FIXED CHARGES	24,050	218,749	301,136	(82,387)	72.64%
5	REIMBURSED EXP-IRWD	-	(6,314)	25,000	(31,314)	-25.25%
6	OTHER CHARGES	177	21,881	11,388	10,492	192.13%
7	TOTAL OPERATING REVENUE:	434,210	3,960,635	5,807,645	(1,847,010)	
8	NON-OPERATING REVENUES (EXPENSES):					
9	PROPERTY TAXES	37,578	438,362	674,000	(235,638)	65.04%
10	RENTAL INCOME - CELLULAR ANTENNAS	8,221	108,913	106,000	2,913	102.75%
11	INTEREST & INVESTMENT EARNINGS	1,623	15,440	20,141	(4,701)	76.66%
12	NOTE RECEIVABLE - AMP	-	142	20,000	(19,858)	0.71%
13	MISCELLENOUS INCOME (EXPENSE)	50	460	500	(40)	91.97%
14	TOTAL NON-OPERATING REVENUES, NET	47,472	563,317	820,641	(257,324)	
15	NET OPERATING INCOME	481,682	4,523,951	6,628,285	(2,104,334)	

	EXPENSES DESCRIPTION	MONTHLY ACTUAL EXPENSES	YTD ACTUAL EXPENSES	ANNUAL 2014-15 BUDGET	BUDGET $ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
16	OPERATING EXPENSE:					
17	SOURCE OF SUPPLY	359,611	3,290,457	4,900,984	(1,610,527)	67.14%
18	MET/MWDOC FIXED CHARGE	32,125	277,217	365,462	(88,245)	75.85%
19	EOCWD FIXED CHARGE	18,183	163,643	212,050	(48,407)	77.17%
20	ENERGY	110	1,382	2,600	(1,218)	53.17%
21	OPERATIONS & MAINTENANCE	44,525	354,199	596,456	(242,257)	59.38%
22	GENERAL & ADMINISTRATIVE	13,813	181,773	324,176	(142,403)	56.07%
23	TRANSFER TO CAPITAL PROJECTS EXPENSE & RESERVES	22,015	198,136	220,391	(22,255)	89.90%
24	DEPRECIATION & AMORTIZATION	-	-	-	-	0.00%
25	MARKET VALUE ADJUSTMENT ON INVESTMENTS	(8,287)	(1,048)	-	(1,048)	0.00%
26	TOTAL OPERATING EXPENSE	482,095	4,465,759	6,622,119	(2,156,360)	
27	**NET INCOME FROM OPERATIONS**	(413)	58,192	6,166.248725	52,026	
28	PRIOR YEARS INCOME (EXPENSES)	-	-	(6,167)	6,167	
29	**NET INCOME (LOSS)**	(413)	58,192	(0)	45,859	

Wholesale Zone

March 2015 Variance Report - 75% of Budget Year Expended

Account Number	Account Name	Income(I) Expense (E)	YTD Amount	Percent Received/ Spent	Comments
	New				
5618-0037-1	DUES- ISDOC/URBAN WTR	E	976	88.73%	YTD is high due to timing of the year
	Ongoing				
4112-0001-1	LATE CHARGE	I	45	90.00%	YTD is high due to unanticipated revenue
4134-0001-1	MET-MWDOC CHOICE-WS	I	8,377	100.00%	Yearly payment made in July
4160-0060-1	REIMBURSED EXPENSES-IRWD	I	(6,314)	-25.25%	YTD is negative due to billing IRWD in Prior Year
4160-0065-1	REFUNDS	I	11,789	0.00%	Unanticipated MWDOC refund for Tier 2 water relating to PY
4930-0031-1	TAXES-UNSECURED	I	18,884	125.90%	YTD is high due to underbudgeting the account
4930-0032-1	TAXES SUPPLEMENTAL ROLL	I	11,413	228.25%	YTD is high due to underbudgeting the account
4990-0001-1	MISCELLANEOUS INCOME	I	460	91.97%	YTD is high due to unanticpated revenue
4977-0001-1	RENT INCOME- CROWN CASTLE	I	68,579	134.47%	YTD is high due to payment received relating to prior years
5130-0048-1	EOCF #2 NONINTERR OC 48	E	926,610	94.63%	YTD is high due to time of year (selling more water)
5324-0001-1	REGULATORY PERMITS	E	3,974	79.48%	YTD is high due to unanticipated SWRCB Fees
5350-0041-1	SERVICE CONNECTIONS R&M	E	5,168	344.54%	YTD is high due to replacement of production IRWD production meter
5350-0051-1	RESERVOIRS R&M	E	20,435	102.17%	YTD is high due to tree services
5359-0001-1	SAC LINE R&M	E	16,889	168.89%	YTD is high due to higher maintenance fees than expected
5365-0001-1	EQUIPMENT RENTAL	E	16,101	144.40%	YTD is high due to generator rental
5646-0001-1	COMPUTER CONSULTING	E	1,835	73.40%	YTD is high due to under budgeted account
5480-0070-1	PAYROLL TAXES- SUI & ETT	E	850	105.76%	YTD is high due to timing of the year
5610-0009-1	MCPHERSON FAX	E	285	95.06%	YTD is high due to underbudgeting the account
5610-0015-1	MCPHERSON OFFICE PHONES	E	2,059	89.51%	YTD is high due to underbudgeting the account
5616-0001-1	MILEAGE	E	562	139.86%	YTD is high due to underbudgeting the account
5639-0001-1	OUTSIDE SERVICES	E	6,290	125.80%	YTD is high due to Public Relations fees
5645-0001-1	LEGAL	E	43,212	86.42%	YTD is high due to underbudgeting the account
5670-0072-1	OFFICE EQUIPMENT R&M	E	564	188.11%	YTD is over budget due to work performed by KMS Network Solutions

Capital Projects

	New				
	Ongoing				
7914-201C-2	REPLACE BACKHOE	E	40,150	160.60%	YTD is high due to expenses being higher than anticipated

EAST ORANGE COUNTY WATER DISTRICT **FOR WHOLESALE**

MONTH: MARCH 2015

	DESCRIPTION	MONTHLY ACTUAL	YTD ACTUAL	ANNUAL 2014-15 BUDGET	BUDGET $ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
	REVENUE					
1	WATER SALES	359,712	3,291,823	4,900,985	(1,609,162)	67.17%
2	METER CHARGE	177	1,670	2,961	(1,291)	56.40%
3	LATE CHARGE	-	45	50	(5)	90.00%
4	CONNECTION FEES	-	2,300	16,136	(13,836)	14.25%
5	EOCWD RESERVE FUND CHARGE	19,286	173,572	228,000	(54,428)	76.13%
6	EOCWD READINESS TO SERVE CHARGE	4,764	42,877	57,000	(14,123)	75.22%
7	RETAIL SERVICE CONNECTIONS	18,183	163,643	212,050	(48,407)	77.17%
8	MET-MWDOC READINESS TO SERVE	17,155	165,165	222,000	(56,835)	74.40%
9	MET-MWDOC CAPACITY CHARGE	14,933	105,688	135,085	(29,397)	78.24%
10	MET-MWDOC CHOICE-WS	-	8,377	8,377	(0)	100.00%
11	REIMBURSED EXPENSES-IRWD	-	(6,314)	25,000	(31,314)	-25.25%
12	REFUNDS	-	11,789	-	11,789	0.00%
13	Total OPERATING REVENUE:	434,210	3,960,635	5,807,645	(1,847,010)	
14	NON OPERATING INCOME					
15	INTEREST EARNED-DEMAND ACCOUNTS	-	-	-	-	0.00%
16	INTEREST EARNED-MORGAN STANLEY	-	-	-	-	0.00%
17	INTEREST-MORGAN STANLEY- CONT	-	-	-	-	0.00%
18	INTEREST EARNED-LAIF	-	2,120	3,409	(1,289)	62.20%
19	INTEREST EARNED-U.S. TREASURY BONDS	-	-	-	-	0.00%
20	INTEREST US TREASURY BOND	-	-	-	-	0.00%
21	INTEREST EARNED-COUNTY OF ORANGE	-	-	-	-	0.00%
22	INTEREST EARNED-ACWA	-	-	-	-	0.00%
23	INTEREST EARNED - RAYMOND JAMES	1,623	13,320	16,732	(3,412)	79.61%
24	TAXES-SECURED	36,076	366,976	585,000	(218,024)	62.73%
25	TAXES-UNSECURED	-	18,884	15,000	3,884	125.90%
26	TAXES SUPPLEMENTAL ROLL	1,191	11,413	5,000	6,413	228.25%
27	TAXES PRIOR YEARS	312	5,279	15,000	(9,721)	35.19%
28	TAXES HOMEOWNER'S SUBVENTION	-	2,220	4,000	(1,780)	55.51%
29	TAXES PUBLIC UTILITY	-	5,532	10,000	(4,468)	55.32%
30	TAXES TUSTIN RDA	-	28,058	40,000	(11,942)	70.15%
31	TAXES MISC	-	-	-	-	0.00%
32	TAXES ACCRUED	-	-	-	-	0.00%
33	STATE TAXES CONFISCATED	-	-	-	-	0.00%
34	PROCEEDS IN-LIEU TAXES	-	-	-	-	0.00%
35	RENT INCOME- AT&T	4,490	40,333	55,000	(14,667)	73.33%
36	RENT INCOME- CROWN CASTLE	3,731	68,579	51,000	17,579	134.47%
37	AMP SALE INSTALLMENTS	-	142	20,000	(19,858)	0.71%
38	MISCELLANEOUS INCOME	50	460	500	(40)	91.97%
39	Total NON OPERATING INCOME:	47,472	563,317	820,641	(257,324)	
40	Total OPERATING REVENUE	481,682	4,523,951	6,628,285	(2,104,334)	
41	NET OPERATING INCOME:	481,682	4,523,951	6,628,285	(2,104,334)	

EAST ORANGE COUNTY WATER DISTRICT **FOR WHOLESALE**

MONTH: MARCH 2015

EXPENSES

	DESCRIPTION	MONTHLY ACTUAL	YTD ACTUAL	ANNUAL 2014-15 BUDGET	BUDGET $ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
42	EOCF #2 NONINTERR OC 43	98,630	723,738	1,473,786	(750,048)	49.11%
43	EOCF #2 NONINTERR OC 48	84,316	926,610	979,199	(52,589)	94.63%
44	WATER PURCHASED AMP	176,666	1,640,109	2,447,999	(807,890)	67.00%
45	WATER PURCHASED	-	-	-	-	0.00%
46	WATER PURCHASED IN-LIEU	-	-	-	-	0.00%
47	WATER PURCHASED-IN LIEU CREDIT	-	-	-	-	0.00%
48	AMP_FAP LEASE EXPENSE	1,250	11,250	-	11,250	0.00%
49	MET-MWDOC CHOICE BUDGET	-	11,475	8,377	3,098	0.00%
50	MET-MWDOC READINESS TO SERVE	17,155	160,054	222,000	(61,946)	72.10%
51	MET-MWDOC CAPACITY FEES	14,970	105,688	135,085	(29,397)	78.24%
52	MWDOC RETAIL SERVICE CONNECT	18,183	163,643	212,050	(48,407)	77.17%
53	UTILITY- SCADA RTU	110	1,382	2,600	(1,218)	53.17%
54	SMALL TOOLS	-	2,265	3,500	(1,235)	64.72%
55	GASOLINE, OIL & DIES-WS	-	-	-	-	0.00%
55	GASOLINE, OIL & DIESEL FUEL	388	2,912	5,413	(2,501)	53.80%
56	REGULATORY PERMITS	309	3,974	5,000	(1,026)	79.48%
57	NPDS PERMIT	-	-	-	-	0.00%
58	PROF SERV WATER QUAL. CONTROL	1,777	10,538	25,000	(14,462)	42.15%
59	SCADA REPLACEMENTS / UPGRADES	-	93	9,198	(9,105)	1.01%
60	OPERATIONS REPORTING SOFTWARE	320	3,905	19,845	(15,940)	19.68%
61	METER PURCHASE/REPAIR	-	826	15,000	(14,174)	5.51%
62	PRESSURE REGULATORS R&M	-	515	5,000	(4,485)	10.30%
63	R/M- MAINS	6,156	7,759	25,000	(17,241)	31.04%
64	DAMAGE REPAIR- CAL EMA	-	-	-	-	0.00%
65	SERVICE CONNECTIONS R&M	832	5,168	1,500	3,668	344.54%
66	RESERVOIRS R&M	-	20,435	20,000	435	102.17%
67	R/M- VAULTS	-	521	10,000	(9,479)	5.21%
68	R/M- CATHODIC PROTECTION	198	1,430	20,500	(19,070)	6.98%
69	MAINTAIN & OPERATE EOCF#2	1,417	12,750	50,000	(37,250)	25.50%
70	METER TESTING	-	2,100	3,000	(900)	70.00%
71	SAC LINE R&M	-	16,889	10,000	6,889	168.89%
72	EQUIPMENT RENTAL	1,728	16,101	11,150	4,951	144.40%
73	EQUIPMENT MAINTENANCE	4	352	3,571	(3,219)	48.13%
74	VEHICLE MAINTENANCE	-	1,782	2,723	(941)	65.45%
75	MAINTENANCE-BUILDINGS AND GROUNDS	39	1,453	3,750	(2,297)	38.74%
76	WAGES	24,420	174,454	212,633	(38,179)	82.04%
77	PAYROLL TAXES- FICA & MEDICARE	1,948	14,005	17,737	(3,732)	78.96%
78	RETIREMENT- PERS	2,772	19,344	36,048	(16,704)	53.66%
79	PAYROLL TAXES- SUI & ETT	22	850	804	46	105.76%
80	HEALTH & ACCIDENT INSURANCE	1,462	26,233	63,478	(37,245)	41.33%
81	DENTAL INSURANCE	222	2,358	4,687	(2,329)	50.31%
82	VISION INSURANCE	47	486	1,205	(719)	40.34%
83	LIFE INSURANCE	18	224	893	(669)	25.05%
84	WORKER'S COMP INSURANCE	404	3,653	7,589	(3,936)	48.13%

EAST ORANGE COUNTY WATER DISTRICT

FOR WHOLESALE
MONTH: MARCH 2015

	DESCRIPTION	MONTHLY ACTUAL	YTD ACTUAL	ANNUAL 2014-15 BUDGET	BUDGET $ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
85	UNIFORMS	42	823	2,232	(1,409)	36.85%
86	DISTRICT WEBSITE	46	46	2,250	(2,204)	2.06%
87	MCPHERSON FAX	37	285	300	(15)	95.06%
88	MCPHERSON INTERNET	63	517	2,000	(1,483)	25.87%
89	MCPHERSON OFFICE PHONES	249	2,059	2,300	(241)	89.51%
90	ANSWERING SERVICE	-	127	250	(123)	50.73%
91	PHONE CIRCUITS TO CTRL EQUIP	376	3,041	4,851	(1,810)	62.68%
92	CELLPHONES	134	1,287	2,000	(713)	64.35%
93	UNDERGROUND SERVICE ALERT	-	215	425	(210)	50.65%
94	TRAINING/SCHOOLS	-	969	6,732	(5,763)	14.39%
95	CONSERVATION EDUCATION	-	-	15,000	(15,000)	0.00%
96	TRAVEL- CONF/SEMINARS	3	3,302	9,500	(6,198)	34.76%
97	MILEAGE	40	562	402	160	139.86%
98	DUES & MEMBERSHIP- ACWA	-	2,350	3,750	(1,400)	62.66%
99	DUES & MEMBERSHIPS- OCWA	-	25	75	(50)	33.33%
100	DUES & MEMBERSHIPS- AWWA	-	-	400	(400)	0.00%
101	DUES & MEMBERSHIP- FCA	-	-	20	(20)	0.00%
102	DUES & MEMBERSHIP- CSDA	-	1,501	3,500	(1,999)	42.89%
103	DUES- ISDOC/URBAN WTR	626	976	1,100	(124)	88.73%
104	MISCELLANEOUS EXP	-	288	500	(212)	57.70%
105	DIRECTOR- R. BARRETT	-	-	-	-	0.00%
106	DIRECTOR- W. VANDERWERFF	463	4,750	6,000	(1,250)	79.17%
107	DIRECTOR- D. CHAPMAN	-	-	-	-	0.00%
108	DIRECTOR- J. DULEBOHN	213	1,375	3,600	(2,225)	38.19%
109	DIRECTOR- R. BELL	125	1,850	3,600	(1,750)	51.39%
110	DIRECTOR- D. DAVERT	-	-	-	-	0.00%
111	DIRECTOR- W. EVERETT	88	612	3,600	(2,988)	17.01%
112	BOARD MEETING EXPENSE	-	665	3,000	(2,335)	22.17%
113	POSTAGE	34	254	3,400	(3,146)	7.46%
114	OFFICE SUPPLY/FURN/SMALL EQUIP	35	1,562	7,000	(5,438)	22.31%
115	PUBLICATIONS & LEGAL NOTICES	-	409	5,000	(4,591)	8.19%
116	COPIER CONTRACT	24	218	625	(407)	34.92%
117	BANK CHARGES	109	1,417	3,000	(1,583)	47.23%
118	OUTSIDE SERVICES	305	6,290	5,000	1,290	125.80%
119	AUDITING	-	4,424	8,200	(3,776)	53.95%
120	TAX COLLECTION FEES	91	1,007	6,000	(4,993)	16.78%
121	TREASURER	-	1,205	7,000	(5,795)	17.21%
122	ACCOUNTING	4,736	21,328	25,000	(3,672)	85.31%
123	LEGAL	2,016	43,212	50,000	(6,788)	86.42%
124	COMPUTER CONSULTING	-	1,835	2,500	(665)	73.40%
125	ENGINEERING-WS	1,440	15,218	-	15,218	0.00%
126	LAFCO	-	5,683	40,000	(34,317)	14.21%
127	INSURANCE-AUTO & GEN LIABILITY	797	7,418	12,000	(4,582)	61.82%
128	INSURANCE-PROPERTY	231	2,077	3,750	(1,673)	55.38%
129	INSURANCE-EMP. FIDELITY BOND	18	164	371	(207)	44.25%
130	OFFICE EQUIPMENT R&M	-	564	300	264	188.11%

EAST ORANGE COUNTY WATER DISTRICT

FOR WHOLESALE
MONTH: MARCH 2015

	DESCRIPTION	MONTHLY ACTUAL	YTD ACTUAL	ANNUAL 2014-15 BUDGET	BUDGET $ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
131	UTILITIES-DUMPSTER	-	203	1,000	(797)	20.30%
132	UTILITIES- THE GAS CO.- OFFICE	-	-	-	-	0.00%
133	UTILITIES- OFFICE- ELECT & WTR	266	2,587	3,375	(788)	76.64%
134	SECURITY	-	197	1,500	(1,303)	13.14%
135	ELECTION EXPENSE	-	26,449	64,000	(37,551)	41.33%
136	DEPRECIATION EXP.	-	-	-	-	0.00%
137	TRANS. TO WRCI-CAPITAL PROJECT	-	-	-	-	0.00%
138	TRANS TO CAPITAL PROJECTS	2,729	24,565	32,753	(8,188)	75.00%
139	TRANSFER TO (FROM) RESERVES	19,286	173,572	187,638	(14,066)	92.50%
140	MARKET VALUE ADJUST-INVESTMENT	-	-	-	-	0.00%
141	MARKET VALUE ADJUST-INVESTMENT	(8,287)	(1,048)	-	(1,048)	0.00%
142	MARKET VALUE ADJUST-INVESTMENT	-	-	-	-	0.00%
143	Total EXPENSES:	482,095	4,465,759	6,622,119	(2,156,360)	
144	NET INCOME FROM OPERATIONS:	(413)	58,192	6,166	52,026	
145	OTHER INCOME AND EXPENSE					
146	PRIOR YEARS INCOME (EXPENSES)	-	-	(6,167)	6,167	0.00%
147	Total OTHER INCOME AND EXPENSE	-	-	(6,167)	6,167	0.00%
148	NET INCOME (LOSS)	(413)	58,192	(0)	45,859	

WHOLESALE ZONE CAPITAL PROJECTS

EAST ORANGE COUNTY WATER DISTRICT

2014-2015 STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS

MONTH: MARCH 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	-	-	-	-	0.00%
2	CAPITAL PROJECTS REVENUE					
3	INTEREST EARNINGS	-	3,904	15,000	(11,096)	26.03%
4	INTEREST RECEIVABLE- AMP SALE	-	-	13,000	(13,000)	0.00%
5	REIMBURSEMENT FROM IRWD	-	-	200,000	(200,000)	0.00%
6	REIMBURSEMENT FOR STORM DAMAGE REPAIRS	-	-	-	-	0.00%
7	REIMBURSEMENT FOR SECURITY UPGRADES	-	-	-	-	0.00%
8	TRANSFER FROM OPERATING EXPENSES	18,750	168,750	225,000	(56,250)	75.00%
9	NET OPERATING INCOME	18,750	172,654	453,000	(280,346)	

	EXPENSES DESCRIPTION	MONTHLY ACTUAL EXPENSES	YTD ACTUAL EXPENSES	ANNUAL 2014-15 BUDGET	BUDGET $ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
10	CAPITAL PROJECTS EXPENSES					
11	CAPITALIZED ACCOUNTING COSTS	-	-	5,000	(5,000)	0.00%
12	SECURITY GATE AT 6 MG SITE-CONST	-	-	11,000	(11,000)	0.00%
13	SECURITY SYSTEM AT PETERS CANYON RESERVOIR	-	-	20,000	(20,000)	0.00%
14	BACKUP GENERATOR AT OC70 PUMP STATION	-	-	81,000	(81,000)	0.00%
15	PIPELINE INSPECTIONS-ENGINEERING	-	-	26,000	(26,000)	0.00%
16	MASTER PLAN/CONDITION ASSESSMENT	102	74,476	125,000	(50,524)	59.58%
17	FEASABILITY ENVIRONMENTAL	-	569	-	569	0.00%
18	6 MG RESERVOIR ROOF REPAIRS	-	10,971	1,320,000	(1,309,029)	0.83%
19	6 MG RESERVOIR - LANDSCAPE/V-DITCH	-	-	36,000	(36,000)	0.00%
20	CATHODIC PROTECTION - PIPELINES	-	-	31,000	(31,000)	0.00%
21	MCPHERSON OFFICE/YARD IMPROVEMENTS	-	-	13,000	(13,000)	0.00%
22	11.5 MG RESERVOIR CATHODIC PROTECTION SYSTEM	-	-	36,000	(36,000)	0.00%
23	USED VEHICLE TO SUPPLEMENT FLEET	-	-	15,000	(15,000)	0.00%
24	6 MG TREATMENT PLANT	-	2,069	305,000	(302,931)	0.68%
25	SECURITY UPGRADES-ANDRES RESERVOIR	-	-	15,000	(15,000)	0.00%
26	VALVE REPLACEMENTS (12" - 27")	-	-	23,000	(23,000)	0.00%
27	REPLACE BACKHOE	-	40,150	25,000	15,150	160.60%
28	NEWPORT RESERVOIR MIXING SYSTEM	-	-	31,000	(31,000)	0.00%
29	ISOLATION VALVES - 11.5 & 1 MG RESERVOIRS - ENGINEERING	27,298	27,298	41,000	(13,702)	66.58%
30	FINANCIAL SOFTWARE	866	9,095	25,000	(15,905)	36.38%
31	OC33 RECONNECTION	-	-	45,000	(45,000)	0.00%
32	VULNERABILITY UPGRADES-OC-70 TURNOUT & PUMP STATION	-	-	12,000	(12,000)	0.00%
33	VULNERABILITY UPGRADES-PETER'S CANYON RESERVOIR	-	-	70,000	(70,000)	0.00%
34	VULNERABILITY UPGRADES-OC-48 MET TURNOUT	-	-	3,000	(3,000)	0.00%
35	UWMP UPDATE	-	-	30,000	(30,000)	0.00%
36	TOTAL OPERATING EXPENSE	28,265	164,628	2,344,000	(2,179,373)	
37	**NET INCOME FROM OPERATIONS**	(9,515)	8,026	(1,891,000)	1,899,026	
38	PRIOR YEARS INCOME (EXPENSES)	-	-	-	-	
39	**NET INCOME (LOSS)**	(9,515)	8,026	(1,891,000)	1,899,026	

FOR WHOLESALE
MONTH: MARCH 2015

	DESCRIPTION	MONTHLY ACTUAL	YTD ACTUAL	ANNUAL 2014-15 BUDGET	BUDGET $ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
	REVENUE					
	FUNDED BY RESERVES	-	-		-	
1	INTEREST- RAYMOND JAMES	-	-	-	-	0.00%
2	INTEREST-MORGAN STANLEY-CAP	-	-	-	-	0.00%
3	INTEREST-LAIF-CAP	-	3,904	15,000	(11,096)	26.03%
4	INTEREST-US TREASURY BOND	-	-	-	-	0.00%
5	INTEREST INCOME-AMP SALE	-	-	13,000	(13,000)	0.00%
6	REIMBURSEMENT FROM IRWD	-	-	200,000	(200,000)	0.00%
7	REIMBURSEMENT- STORM DAMAGE	-	-	-	-	0.00%
8	REIMBURSEMENT-SECURITY UPGRADE	-	-	-	-	0.00%
9	TRANSFER FROM WZ OPERATIONS	18,750	168,750	225,000	(56,250)	75.00%
10	Total NON OPERATING INCOME:	18,750	172,654	453,000	(280,345)	
11	Total OPERATING REVENUE	18,750	172,654	453,000	(280,345)	
12	NET OPERATING INCOME:	18,750	172,654	453,000	(280,345)	
	EXPENSES					
13	CAPITALIZED ACCOUNTING COSTS	-	-	5,000	(5,000)	0.00%
14	SECURITY GATE AT 6 MG SITE-CONST (WZ PORTION)	-	-	10,000	(10,000)	0.00%
15	SECURITY GATE AT 6 MG SITE-LABOR (WZ PORTION)	-	-	1,000	(1,000)	0.00%
16	SECURITY SYSTEM AT PETERS CANYON RESERVOIR-CONSTRUCTION	-	-	15,000	(15,000)	0.00%
17	SECURITY SYSTEM AT PETERS CANYON RESERVOIR-LABOR	-	-	5,000	(5,000)	0.00%
18	BACKUP GENERATOR AT OC70 PUMP STATION-CONST	-	-	80,000	(80,000)	0.00%
19	BACKUP GENERATOR AT OC70 PUMP STATION-LABOR	-	-	1,000	(1,000)	0.00%
20	PIPELINE INSPECTIONS-ENGINEERING (CARRYOVER)	-	-	25,000	(25,000)	0.00%
21	PIPELINE INSPECTIONS-LABOR	-	-	1,000	(1,000)	0.00%
22	MASTER PLAN/CONDITION ASSESSMENT	102	74,476	125,000	(50,524)	59.58%
23	FEASABILITY AND ENVIRONMENT	-	569	-	569	0.00%
24	6 MG RESERVOIR ROOF REPAIRS-CONSTRUCTION	-	-	1,150,000	(1,150,000)	0.00%
25	6 MG RESERVOIR ROOF REPAIRS-ENGINEERING	-	10,971	150,000	(139,029)	7.31%
26	6 MG RESERVOIR ROOF REPAIRS-LABOR	-	-	20,000	(20,000)	0.00%
27	6 MG RESERVOIR - LANDSCAPE/V-DITCH-CONSTRUCTION	-	-	30,000	(30,000)	0.00%
28	6 MG RESERVOIR - LANDSCAPE/V-DITCH-ENGINEERING	-	-	5,000	(5,000)	0.00%
29	6 MG RESERVOIR - LANDSCAPE/V-DITCH-LABOR	-	-	1,000	(1,000)	0.00%
30	CATHODIC PROTECTION - PIPELINES-CONSTRUCTION	-	-	25,000	(25,000)	0.00%
31	CATHODIC PROTECTION - PIPELINES-ENGINEERING	-	-	5,000	(5,000)	0.00%
32	CATHODIC PROTECTION - PIPELINES-LABOR	-	-	1,000	(1,000)	0.00%
33	MCPHERSON OFFICE/YARD IMPROVEMENTS-CONSTRUCTION	-	-	10,000	(10,000)	0.00%
34	MCPHERSON OFFICE/YARD IMPROVEMENTS-LABOR	-	-	3,000	(3,000)	0.00%
35	11.5 MG RESERVOIR CATHODIC PROTECTION SYSTEM-CONSTRUCTION	-	-	25,000	(25,000)	0.00%
36	11.5 MG RESERVOIR CATHODIC PROTECTION SYSTEM-ENGINEERING	-	-	10,000	(10,000)	0.00%
37	11.5 MG RESERVOIR CATHODIC PROTECTION SYSTEM-LABOR	-	-	1,000	(1,000)	0.00%
38	VEHICLE TO SUPPLEMENT FLEET	-	-	15,000	(15,000)	0.00%
39	6 MG TREATMENT PLANT FEASIBILITY STUDY-ENGINEERING	-	2,069	275,000	(272,931)	0.75%
40	6 MG TREATMENT PLANT -LABOR	-	-	5,000	(5,000)	0.00%
41	6 MG TREATMENT PLANT - ENGINEERING	-	-	25,000	(25,000)	0.00%
42	SECURITY - ANDRES RESERVOIR-CONSTRUCTION	-	-	9,000	(9,000)	0.00%
43	SECURITY -ANDRES RESERVOIR-ENGINEERING	-	-	5,000	(5,000)	0.00%
44	SECURITY -ANDRES RESERVOIR-LABOR	-	-	1,000	(1,000)	0.00%
45	VALVE REPLACEMENTS (12" - 27")-CONSTRUCTION	-	-	12,000	(12,000)	0.00%
46	VALVE REPLACEMENTS (12" - 27")-ENGINEERING	-	-	5,000	(5,000)	0.00%
47	VALVE REPLACEMENTS (12" - 27")-LABOR	-	-	6,000	(6,000)	0.00%
48	REPLACE BACKHOE	-	40,150	25,000	15,150	160.60%
49	NEWPORT RESERVOIR MIXING SYSTEM - ENGINEERING	-	-	5,000	(5,000)	0.00%
50	NEWPORT RESERVOIR MIXING SYSTEM - CONTSTRUCTION	-	-	25,000	(25,000)	0.00%
51	NEWPORT RESERVOIR MIXING SYSTEM - LABOR	-	-	1,000	(1,000)	0.00%
52	ISOLATION VALVES - 11.5 & 1 MG RESERVOIRS - ENGINEERING	-	-	5,000	(5,000)	0.00%
53	ISOLATION VALVES - 11.5 & 1 MG - CONSTRUCTION	27,244	27,244	30,000	(2,756)	90.81%
54	ISOLATION VALVES - 11.5 & 1 MG - LABOR	53	53	6,000	(5,947)	0.89%
55	FINANCIAL SOFTWARE	866	9,095	25,000	(15,905)	36.38%
56	CONTSTRUCTION- OC33 RECONNECTION	-	-	25,000	(25,000)	0.00%
57	ENGINEERING - OC 33 RECONNECTION	-	-	10,000	(10,000)	0.00%
58	LABOR - OC33 RECONNECTION	-	-	10,000	(10,000)	0.00%
59	VULNERABILITY UPGRADES-OC-70 TURNOUT & PUMP STATION-CONSTRUCTION	-	-	12,000	(12,000)	0.00%
60	VULNERABILITY UPGRADES-PETER'S CANYON RESERVOIR-CONSTRUCTION	-	-	70,000	(70,000)	0.00%
61	VULNERABILITY UPGRADES-OC-48 MET TURNOUT-CONSTRUCTION	-	-	3,000	(3,000)	0.00%
62	UWMP UPDATE-LABOR (WS PORTION)	-	-	5,000	(5,000)	0.00%
63	UWMP UPDATE-ENGINEERING (WS PORTION)	-	-	25,000	(25,000)	0.00%
64	Total EXPENSES:	28,265	164,628	2,344,000	(2,179,373)	
65	NET INCOME (LOSS)	(9,515)	8,026	(1,891,000)	1,899,026	

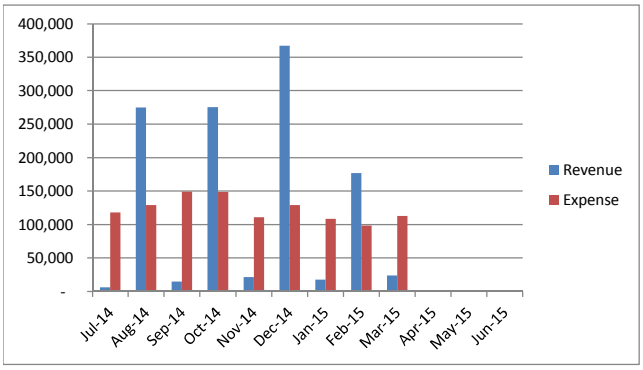
Retail Zone Financial Summary

For Period Ending March 31, 2015

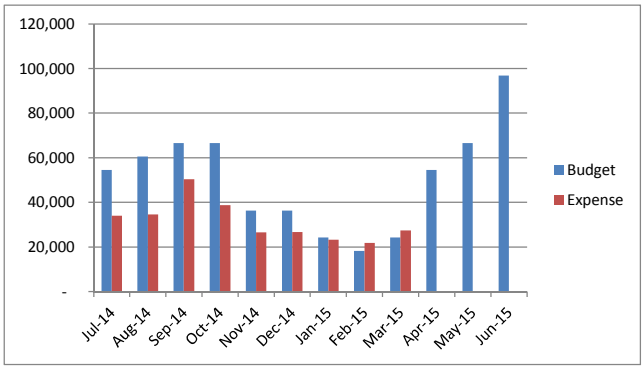
YTD Operating Income $ 1,177,672

YTD Operating Expense $ 1,105,213

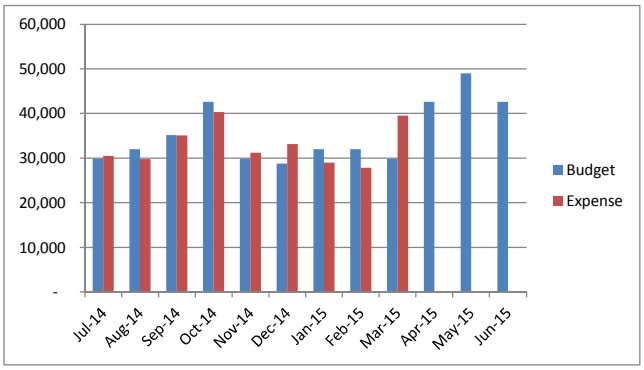
Revenue vs Expenses



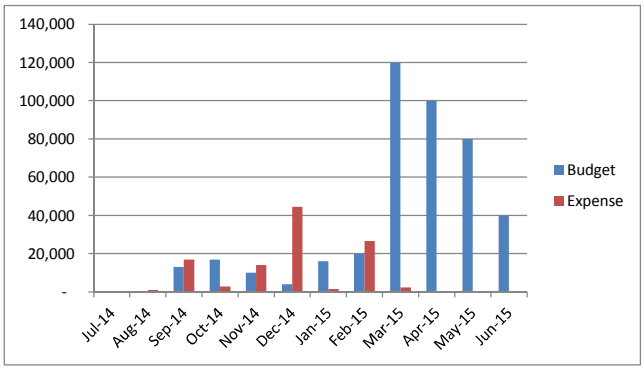
Water Purchased Budget vs. Actual



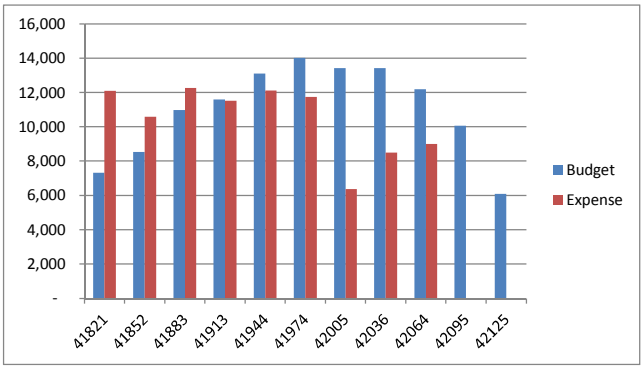
Salaries & Benefits Budget vs. Actual



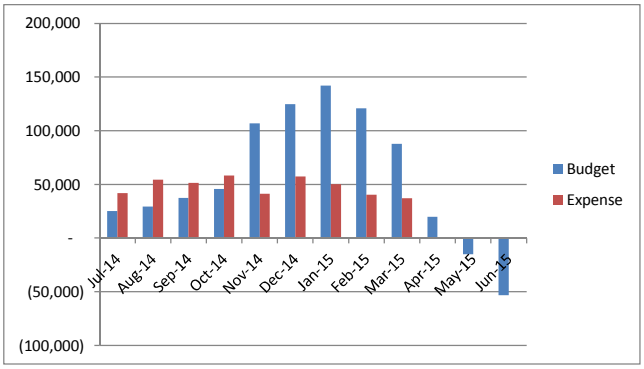
CIP Budget vs. Actual



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: MARCH 2015

	REVENUE DESCRIPTION	MONTHLY ACTUAL REVENUE	YTD ACTUAL REVENUE	ANNUAL 2014-15 BUDGET	BUDGET $ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
1	OPERATING REVENUE:					
2	WATER SALES	137	689,308	1,102,160	(412,852)	62.54%
3	METER CHARGE	18	238,929	360,000	(121,071)	66.37%
4	OTHER CHARGES	2,168	10,807	8,625	2,182	125.30%
5	TOTAL OPERATING REVENUE:	2,324	939,044	1,470,785	(531,741)	63.85%
6	NON-OPERATING REVENUES (EXPENSES):					
7	PROPERTY TAXES	21,390	233,266	372,200	(138,934)	62.67%
8	INTEREST & INVESTMENT EARNINGS	4	1,540	915	625	168.34%
9	MISCELLENOUS INCOME	-	3,821	500	3,321	764.26%
10	MARKET VALUE ADJUSTMENT ON INVESTMENTS	-	-	-	-	0.00%
11	DISPOSAL OF ASSET GAIN (LOSS)	-	-	-	-	0.00%
12	TOTAL NON-OPERATING REVENUES, NET	21,395	238,628	373,615	(134,987)	
13	NET OPERATING INCOME	23,718	1,177,672	1,844,400	(666,728)	

	EXPENSES DESCRIPTION	MONTHLY ACTUAL EXPENSES	YTD ACTUAL EXPENSES	ANNUAL 2014-15 BUDGET	BUDGET $ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
14	OPERATING EXPENSE:					
15	SOURCE OF SUPPLY	21,119	229,053	531,704	(302,651)	43.08%
16	MET/MWDOC FIXED CHARGE	1,057	9,517	12,500	(2,983)	76.13%
17	WZ FIXED CHARGE	1,385	12,468	15,660	(3,192)	79.62%
18	PIPELINE CAPACITY LEASE	3,802	32,148	45,500	(13,352)	70.65%
19	ENERGY	8,731	91,107	118,500	(27,393)	76.88%
20	OPERATIONS & MAINTENANCE	45,478	403,964	607,711	(203,747)	66.47%
21	GENERAL & ADMINISTRATIVE	10,959	113,960	223,275	(109,315)	51.04%
22	TRANSFER TO CAPITAL PROJECTS EXPENSE	13,713	123,413	164,550	(41,138)	75.00%
23	RETAIL OPERATIONS CONTINGENCY FUND	6,250	56,250	75,000	(18,750)	75.00%
24	FUNDED TO/BY RESERVE	-	33,333	50,000	(16,667)	66.67%
25	DEPRECIATION & AMORTIZATION	-	-	-	-	0.00%
26	TOTAL OPERATING EXPENSE	112,494	1,105,213	1,844,400	(739,187)	59.92%
27	**NET INCOME FROM OPERATIONS**	(88,776)	72,459	-	72,459	
28	PRIOR YEARS INCOME (EXPENSES)	-	-	-	-	
29	**NET INCOME (LOSS)**	(88,776)	72,459	-	72,459	

Retail Zone

March 2015 Variance Report - 75% of Budget Year Expended

Account Number	Account Name	Income(I) Expense (E)	YTD Amount	Percent Received/ Spent	Comments
	Operating				
	New				
5235-20	DUES- ISDOC/URBAN WTR	E	976	88.73%	YTD is high due to timing of receipts
5260-20	OUTSIDE SERVICES	E	5,216	86.93%	YTD is high due to unanticipated expenses
	Ongoing				
4202-20	LATE CHARGE	I	10,554	92.58%	YTD is high due to revenue being higher than expected
4603-20	INTEREST-LAIF-OP	I	1,518	168.64%	YTD is high due to receiving more interest than expected
4606-20	INTEREST INCOME-MM	I	23	150.27%	YTD is high due to receiving more interest than expected
4702-20	TAXES UNSECURED	I	10,719	82.46%	YTD is high due to more revenue than expected in this account
4703-20	TAXES SUPPLEMENTAL ROLL	I	6,496	295.28%	YTD is high due to more revenue than expected in this account
4690-20	MISCELLANEOUS INCOME	I	3,821	764.26%	YTD is high due to an ACWA insurance refund and reimbursement for an auto accident
5050-20	OCWD- REPLENISH ASSESSMENT	E	221,803	102.21%	YTD is high due to more pumping than purchased water
5170-20	REGULATORY PERMITS	E	4,625	84.09%	YTD is high due to unanticipated SWRCB Fees
5106-20	STOLLER RESERVOIR/BOOSTER R&M	E	6,138	102.30%	YTD is high due to the purchase of measurement control systems
5108-20	R&M VISTA PANORAMA RESERVOIR	E	6,160	116.23%	YTD is high due to work performed by Hidden Valley Pumps
5109-20	CHLORINE GENERATOR	E	4,451	148.36%	YTD is high due to unanticipated expenses
5101-20	R/M- MAINS	E	24,940	108.44%	YTD is high due to unexpected main leaks
5110-20	SERVICE LATERALS R&M	E	12,047	60.24%	YTD is high due to work performed by Hardy & Harper
5129-20	METER TESTING	E	-	0.00%	YTD is high due to unanticipated expenses
5155-20	EQUIPMENT RENTAL	E	13,162.20	118.05%	YTD is high due to unplanned generator rental
5270-20	BANK CHARGES	E	5,379	114.45%	YTD is high due to credit card fees being higher than anticipated
5204-20	MCPHERSON FAX	E	450	150.13%	YTD is high due to fees being higher than anticipated
5206-20	MCPHERSON OFFICE PHONES	E	2,058.69	89.51%	YTD is high due to underbudgeting the account
5223-20	MILEAGE	E	557	111.87%	YTD is high due to more expenses than expected
5240-20	POSTAGE	E	3,407	100.22%	YTD is high due to more expenses than expected
5271-20	COMPUTER BILLING (RZ BILLS)	E	4,747	67.82%	YTD is high due to yearly CUSI fees
5252-20	OFFICE EQUIPMENT R&M	E	564	141.09%	YTD is high due to unanticipated expenses
5201-20	UTILITIES- OFFICE- ELECT & WTR	E	3,058	90.61%	YTD is high due to fees being higher than anticipated
5404-20	PAYROLL TAXES- SUI & ETT	E	952.42	95.58%	YTD is high due to timing of tax payments
	Capital				
	New				
	Ongoing				
REPLACE BACKHOE-	REPLACE BACKHOE-CONSTRUCTION	E	40,150	160.60%	YTD is high due to expenses being higher than anticipated

	DESCRIPTION	MONTHLY ACTUAL	YTD ACTUAL	ANNUAL 2014-15 BUDGET	BUDGET $ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
	REVENUE					
1	WATER SALES	137	689,308	1,102,160	(412,852)	62.54%
2	METER CHARGE	18	238,929	360,000	(121,071)	66.37%
3	LATE CHARGE	2,085	10,554	11,400	(846)	92.58%
4	RETURNED CHECK CHARGE	83	203	950	(747)	21.39%
5	TURN OFF CHARGE	-	50	1,400	(1,350)	3.57%
6	OTHER CHARGES	-	-	-	-	0.00%
7	UNCOLLECTIBLE ACCOUNTS	-	-	(5,125)	5,125	0.00%
8	TURN ON NEW SERVICE	-	-	-	-	0.00%
9	REFUNDS	-	-	-	-	0.00%
10	SERVICE UPGRADE FEE	-	-	-	-	0.00%
11	Total OPERATING REVENUE:	2,324	939,044	1,470,785	(531,741)	
12	INTEREST INCOME-MM	4	23	15	8	150.27%
13	INTEREST-MORGAN STANLEY-OP	-	-	-	-	0.00%
14	INTEREST-LAIF-OP	-	1,518	900	618	168.64%
15	INTEREST- US TREASURY BOND	-	-	-	-	0.00%
16	INTEREST INCOME-CTY OF ORANGE	-	-	-	-	0.00%
17	TAXES SECURED	20,535	208,886	326,000	(117,114)	64.08%
18	TAXES UNSECURED	-	10,719	13,000	(2,281)	82.46%
19	TAXES SUPPLEMENTAL ROLL	678	6,496	2,200	4,296	295.28%
20	TAXES PRIOR YEARS	178	3,012	8,000	(4,988)	37.65%
21	TAXES HOMEOWNER'S SUBVENTION	-	1,264	3,000	(1,736)	42.13%
22	TAXES PUBLIC UTILITY	-	2,889	5,000	(2,111)	57.78%
23	TAXES TUSTIN RDA	-	-	20,000	(20,000)	0.00%
24	TAXES MISC	-	-	-	-	0.00%
25	TAXES ACCRUED	-	-	(5,000)	5,000	0.00%
26	STATE TAXES CONFISCATED	-	-	-	-	0.00%
27	PROCEEDS IN-LIEU TAXES	-	-	-	-	0.00%
28	MISCELLANEOUS INCOME	-	3,821	500	3,321	764.26%
29	Total NON OPERATING INCOME:	21,395	238,628	373,615	(134,987)	
30	Total OPERATING REVENUE	23,718	1,177,672	1,844,400	(666,728)	
31	NET OPERATING INCOME:	23,718	1,177,672	1,844,400	(666,728)	
	EXPENSES					
32	WATER PURCHASED	25	7,251	314,704	(307,453)	2.30%
33	WATER PURCHASED IN-LIEU	-	-	-	-	0.00%
34	WATER PURCHASED IN LIEU CREDIT	-	-	-	-	0.00%
35	OCWD- REPLENISH ASSESSMENT	21,094	221,803	217,000	4,803	102.21%
36	MET-MWDOC READINESS TO SERVE	2,455	23,044	30,500	(7,456)	75.55%
37	MET-MWDOC CAPACITY FEES	1,347	9,104	15,000	(5,896)	60.69%
38	MWDOC RETAIL SERVICE CONNECT	1,057	9,517	12,500	(2,983)	76.13%
39	EOCWD WR RESERVE FUND CHARGE	1,108	9,974	12,360	(2,386)	80.70%
40	EOCWD WR READINESS TO SERVE	277	2,494	3,300	(806)	75.56%
41	UTILITY STOLLER RESERVOIR	3,975	41,080	53,100	(12,020)	77.36%
42	UTILITY VISTA PANORAMA BOOSTER	210	3,152	7,500	(4,348)	42.03%
43	ULITILITIES- WELLS- EAST/WEST	4,547	46,875	57,900	(11,025)	80.96%
44	SMALL TOOLS	-	2,304	3,500	(1,196)	65.83%
45	GASOLINE, OIL & DIES-RZ	-	-	-	-	0.00%
46	GASOLINE, OIL & DIESEL FUEL	474	4,347	6,712	(2,365)	64.76%
47	REGULATORY PERMITS	277	4,625	5,500	(875)	84.09%
48	NPDS PERMIT	-	-	-	-	0.00%
49	PROF SERV WATER QUAL. CONTROL	852	7,216	20,000	(12,784)	36.08%
50	CHLORINE GENERATOR/SALT PURCH	-	669	1,400	(731)	47.77%
51	WEST WELL MAINTENANCE	-	263	3,250	(2,987)	8.09%
52	EAST WELL MAINTENANCE	-	519	3,250	(2,731)	15.96%

	DESCRIPTION	MONTHLY ACTUAL	YTD ACTUAL	ANNUAL 2014-15 BUDGET	BUDGET $ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
53	STOLLER RESERVOIR/BOOSTER R&M	300	6,138	6,000	138	102.30%
54	VISTA PANORAMA BOOSTER R&M	-	45	4,200	(4,155)	1.08%
55	R&M VISTA PANORAMA RESERVOIR	-	6,160	5,300	860	116.23%
56	CHLORINE GENERATOR	722	4,451	3,000	1,451	148.36%
57	SCADA REPAIR/UPGRADE	-	81	5,402	(5,321)	1.50%
58	OPERATIONS REPORTING SOFTWARE	709	5,933	11,655	(5,722)	50.90%
59	HYDRANT REPAIR & REPLACEMENTS	115	3,862	16,100	(12,238)	23.99%
60	METER PURCHASE REPAIR	-	6,234	9,200	(2,966)	67.76%
61	PRV- R & M	408	705	2,050	(1,345)	34.41%
62	R/M- MAINS	651	24,940	23,000	1,940	108.44%
63	DAMAGE REPAIR- CAL EMA	-	-	-	-	0.00%
64	SERVICE LATERALS R&M	-	12,047	20,000	(7,953)	60.24%
65	RESERVOIRS R&M	-	419	2,000	(1,581)	20.94%
66	R/M- VAULTS	-	382	1,500	(1,118)	48.87%
67	R/M- CATHODIC PROTECTION	-	-	5,000	(5,000)	0.00%
68	METER TESTING	-	-	1,000	(1,000)	0.00%
69	EQUIPMENT RENTAL	1,890	13,162	11,150	2,012	118.05%
70	BACKHOE R&M	4	479	4,429	(3,950)	10.82%
71	VEHICLES R&M	-	2,333	3,377	(1,044)	69.08%
72	BUILDING/GROUNDS R&M	4	458	3,750	(3,292)	12.21%
73	WAGES	27,643	201,673	263,696	(62,023)	76.48%
74	PAYROLL TAXES- FICA & MEDICARE	2,231	16,107	21,997	(5,890)	73.23%
75	RETIREMENT- PERS	3,180	22,162	39,981	(17,820)	55.43%
76	PAYROLL TAXES- SUI & ETT	22	952	996	(44)	95.58%
77	HEALTH & ACCIDENT INSURANCE	4,873	44,631	78,722	(34,091)	56.69%
78	DENTAL INSURANCE	431	3,684	5,813	(2,129)	63.38%
79	VISION INSURANCE	92	770	1,495	(725)	51.50%
80	LIFE INSURANCE	36	344	1,107	(764)	31.03%
81	WORKER'S COMP INSURANCE	504	4,599	9,411	(4,812)	48.87%
82	UNIFORMS	60	1,271	2,768	(1,497)	45.90%
83	DISTRICT WEBSITE	46	46	2,250	(2,204)	2.06%
84	MCPHERSON FAX	37	450	300	150	150.13%
85	MCPHERSON INTERNET	63	517	4,000	(3,483)	12.93%
86	MCPHERSON OFFICE PHONES	249	2,059	2,300	(241)	89.51%
87	ANSWERING SERVICE	-	127	250	(123)	50.73%
88	PHONE CIRCUITS TO CTRL EQUIP	221	1,781	2,849	(1,068)	62.51%
89	CELLPHONES	134	1,122	2,000	(878)	56.09%
90	UNDERGROUND SERVICE ALERT	-	215	425	(210)	50.65%
91	TRAINING/SCHOOLS	-	1,062	6,268	(5,206)	16.95%
92	CONSERVATION EDUCATION	-	2,685	4,000	(1,315)	67.13%
93	TRAVEL-CONF/SEMINARS	3	3,302	9,500	(6,198)	34.76%
94	MILEAGE	40	557	498	59	111.87%
95	DUES & MEMBERSHIPS- ACWA	-	2,350	3,750	(1,400)	62.67%
96	DUES & MEMBERSHIPS- OCWA	-	25	75	(50)	33.33%
97	DUES & MEMBERSHIPS- AWWA	-	-	400	(400)	0.00%
98	DUES & MEMBERSHIP- FCA	-	-	20	(20)	0.00%
99	DUES & MEMBERSHIP-CSDA	-	1,911	3,500	(1,589)	54.59%
100	DUES- ISDOC/URBAN WTR	626	976	1,100	(124)	88.73%
101	MISCELLANEOUS EXP	-	108	500	(392)	21.65%
102	DIRECTOR- R. BARRETT	-	-	-	-	0.00%
103	DIRECTOR- W. VANDERWERFF	463	4,750	6,000	(1,250)	79.17%
104	DIRECTOR- D. CHAPMAN	-	-	-	-	0.00%
105	DIRECTOR- J. DULEBOHN	213	1,375	3,600	(2,225)	38.19%
106	DIRECTOR- R. BELL	125	1,850	3,600	(1,750)	51.39%
107	DIRECTOR- D. DAVERT	-	-	-	-	0.00%
108	DIRECTOR- W. EVERETT	88	788	3,600	(2,813)	21.88%
109	BOARD MEETING EXPENSE	-	650	2,000	(1,350)	32.51%
110	POSTAGE	111	3,407	3,400	7	100.22%
111	OFFICE SUPPLY/FURN/SMALL EQUIP	35	1,597	6,750	(5,153)	23.66%
112	PUBLICATIONS & LEGAL NOTICES	-	688	7,550	(6,862)	9.12%
113	COPIER CONTRACT	24	218	625	(407)	34.92%

	DESCRIPTION	MONTHLY ACTUAL	YTD ACTUAL	ANNUAL 2014-15 BUDGET	BUDGET $ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
114	VERSATERM CONTRACT (RZ BILLS)	-	550	3,750	(3,200)	14.67%
115	BANK CHARGES	245	5,379	4,700	679	114.45%
116	OUTSIDE SERVICES	316	5,216	6,000	(784)	86.93%
117	AUDITING	-	4,076	8,200	(4,124)	49.71%
118	TAX COLLECTION FEES	52	569	5,000	(4,431)	11.39%
119	COMPUTER BILLING (RZ BILLS)	-	4,747	7,000	(2,253)	67.82%
120	TREASURER	-	1,205	7,000	(5,795)	17.21%
121	ACCOUNTING- SERRANO	4,736	17,686	25,000	(7,314)	70.74%
122	LEGAL	2,016	14,170	35,000	(20,830)	40.49%
123	COMPUTER CONSULTING	-	1,695	2,500	(805)	67.80%
124	ENGINEERING-RZ	180	5,803	-	5,803	0.00%
125	LAFCO	-	2,398	4,590	(2,192)	52.25%
126	INSURANCE-AUTO & GEN LIABILITY	554	5,155	7,750	(2,595)	66.52%
127	INSURANCE-PROPERTY	77	692	3,000	(2,308)	23.08%
128	INSURANCE-EMP. FIDELITY BOND	16	146	400	(254)	36.41%
129	OFFICE EQUIPMENT R&M	-	564	400	164	141.09%
130	UTILITIES-DUMPSTER	25	228	1,000	(772)	22.84%
131	UTILITIES- THE GAS CO.- OFFICE	-	-	-	-	0.00%
132	UTILITIES- OFFICE- ELECT & WTR	266	3,058	3,375	(317)	90.61%
133	SECURITY	-	197	1,500	(1,303)	13.14%
134	ELECTION EXPENSE	-	5,806	16,000	(10,194)	36.29%
135	INTEREST EXPENSE DWR	-	-	-	-	0.00%
136	DISPOSAL OF ASSET GAIN (LOSS)	-	-	-	-	0.00%
137	DEPRECIATION EXP.	-	-	-	-	0.00%
138	PRIOR YEAR ADJUSTMENTS	-	-	-	-	0.00%
139	TRANS TO CAPITAL PROJECT AF	-	-	-	-	0.00%
140	TRANS TO CAPITAL PROJECTS	13,713	123,413	164,550	(41,138)	75.00%
141	RZ- CONTINGENCY FUND	6,250	56,250	75,000	(18,750)	75.00%
142	FUNDED TO/BY RESERVE-RZ	-	33,333	50,000	(16,667)	66.67%
143	MARKET VALUE ADJUST-INVESTMENT	-	-	-	-	0.00%
144	TOTAL OPERATING EXPENSES:	112,494	1,105,213	1,844,400	(739,187)	
145	NET INCOME FROM OPERATIONS:	(88,776)	72,459	0	72,459	
146	PRIOR YEARS INCOME (EXPENSES)	-	-	-	-	0.00%
147	PRIOR YEARS INCOME (EXPENSES)	-	-	-	-	0.00%
148	Total OTHER INCOME AND EXPENSES	-	-	-	-	
149	NET INCOME (LOSS)	(88,776)	72,459	0	72,459	

RETAIL ZONE CAPITAL PROJECTS

EAST ORANGE COUNTY WATER DISTRICT
2013-2014 STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS
MONTH: MARCH 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	-	-	313,750	(313,750)	0.00%
2	CAPITAL PROJECTS REVENUE					
3	CAPITAL PROJECTS FEES	18	190,786	277,000	(86,214)	68.88%
4	CONNECTION FEES	-	7,135	10,450	(3,315)	68.27%
5	INTEREST EARNINGS	-	174	500	(326)	34.71%
6	TRANSFER FROM OPERATING EXPENSES	13,056	123,413	164,550	(41,138)	75.00%
7	FUNDS BORROWED FROM WHOLESALE ZONE	-	-	-	-	0.00%
8	REIMBURSEMENT- RZ BILL RATE STUDY	-	-	-	-	0.00%
9	NET OPERATING INCOME	13,074	321,507	766,250	(444,743)	

	EXPENSES DESCRIPTION	MONTHLY ACTUAL EXPENSES	YTD ACTUAL EXPENSES	ANNUAL 2014-15 BUDGET	BUDGET $ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
10	CAPITAL PROJECTS EXPENSES					
11	RZ CAPITALIZED ACCOUNTING COST	-	-	5,000	(5,000)	0.00%
12	BETTERMENT & REPLACEMENT PLAN	44	40,765	81,000	(40,235)	50.33%
13	MCPHERSON OFFICE/YARD IMPROVEMENT	-	-	15,000	(15,000)	0.00%
14	CATHODIC PROTECTIONS	-	-	5,500	(5,500)	0.00%
15	USED VEHICLE TO SUPPLEMENT FLEET	-	-	15,000	(15,000)	0.00%
16	VP VAULT PIPING/METER UPGRADE	-	-	27,000	(27,000)	0.00%
17	VISTA PANORAMA RESERVOIR REPAIR	-	-	120,000	(120,000)	0.00%
18	VP PUMP REBUILD	-	-	5,250	(5,250)	0.00%
19	VALVE RAISING-CRAWFORD CANYON	-	-	18,000	(18,000)	0.00%
20	VALVE REPLACEMENTS- SYSTEM	-	-	20,000	(20,000)	0.00%
21	ALLOW FOR SYSTEM RELOCATION	-	-	110,000	(110,000)	0.00%
22	BACKUP GENERATOR FOR VP BOOSTER	-	-	50,000	(50,000)	0.00%
23	REPLACE BACKHOE	-	40,150	25,000	15,150	160.60%
24	FINANCIAL SOFTWARE	414	9,095	25,000	(15,905)	36.38%
25	BACKUP SYSTEM PRV - CIRCULA PANORAMA	-	-	50,000	(50,000)	0.00%
26	SECURITY IMPROVEMENTS - RESERVOIR SITES	-	-	15,000	(15,000)	0.00%
27	JOINT WELL - ENGINEERING	-	-	30,000	(30,000)	0.00%
28	WELL DISINFECTION CONVERSION	-	-	57,500	(57,500)	0.00%
29	WEST WELL REHABILIATION -REPLACEMENT	-	-	72,000	(72,000)	0.00%
30	SIDEHILL BOOSTER	-	19,602	-	19,602	-
31	SCADA SYSTEMS SITE ADDITIONS - VP SIDEHILL AND RZ FIRE PUMP	-	-	20,000	(20,000)	0.00%
32	TOTAL OPERATING EXPENSE	458	109,611	766,250	(656,639)	
33	**NET INCOME FROM OPERATIONS**	12,616	211,896	-	211,896	
34	PRIOR YEARS EXPENSES	-	-	-	-	
35	**NET INCOME (LOSS)**	12,616	211,896	-	211,896	

FOR RETAIL
MONTH: MARCH 2015

	DESCRIPTION	MONTHLY ACTUAL	YTD ACTUAL	ANNUAL 2014-15 BUDGET	BUDGET $ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
	REVENUE					
1	FUNDED BY RESERVES	-	-	313,750	(313,750)	
2	WATER SALES-CAPITAL PROJECTS	18	190,786	277,000	(86,214)	68.88%
3	CONNECTION FEES	-	7,135	10,450	(3,315)	68.27%
4	INTEREST INCOME- CHAPMAN AVE	-	-	-	-	0.00%
5	INTEREST-MORGAN STANLEY-CAP	-	-	-	-	0.00%
6	INTEREST-LAIF-CAP	-	174	500	(326)	34.71%
7	INTEREST US TREASURY BOND	-	-	-	-	0.00%
8	REIMBURSEMENT- RZ BILL RATE STUDY	-	-	-	-	0.00%
9	TRANSFER IN CAPITAL PROJECTS	13,056	123,413	164,550	(41,138)	75.00%
10	Total NON OPERATING INCOME:	13,074	321,507	766,250	(444,743)	
11	Total OPERATING REVENUE	13,074	321,507	766,250	(444,743)	
12	NET OPERATING INCOME:	13,074	321,507	766,250	(444,743)	
	EXPENSES					
13	RZ CAPITALIZED ACCOUNTING COST	-	-	5,000	(5,000)	0.00%
14	BETTERMENT & REPLACEMENT PLAN	-	-	10,000	(10,000)	0.00%
15	BETTERMENT & REPLACEMENT PLAN	44	40,765	70,000	(29,235)	58.24%
16	BETTERMENT & REPLACEMENT PLAN	-	-	1,000	(1,000)	0.00%
17	MCPHERSON OFFICE/YARD IMPROVE-CONST.	-	-	10,000	(10,000)	0.00%
18	MCPHERSON OFFICE/YARD IMPROVE-LABOR	-	-	5,000	(5,000)	0.00%
19	CATHODIC PROTECTIONS-CONST.	-	-	5,000	(5,000)	0.00%
20	CATHODIC PROTECTION-LABOR	-	-	500	(500)	0.00%
21	USED VEHICLE TO SUPPLEMENT FLEET	-	-	15,000	(15,000)	0.00%
22	VP VAULT PIPING/METER UPGRADE-CONST.	-	-	20,000	(20,000)	0.00%
23	VP VAULT PIPING/METER UPGRADE-ENG.	-	-	5,000	(5,000)	0.00%
24	VP VAULT PIPING/METER UPGRADE-LABOR	-	-	2,000	(2,000)	0.00%
25	VISTA PANORAMA RESERVOIR REPAIR-CONST.	-	-	100,000	(100,000)	0.00%
26	VISTA PANORAMA RESERVOIR REPAIR-ENG.	-	-	15,000	(15,000)	0.00%
27	VISTA PANORAMA RESERVOIR REPAIR-LABOR	-	-	5,000	(5,000)	0.00%
28	VP PUMP REBUILD-CONST.	-	-	5,000	(5,000)	0.00%
29	VP PUMP REBUILD-LABOR	-	-	250	(250)	0.00%
30	VALVE RAISING-CRAWFORD CANYON-CONST.	-	-	17,000	(17,000)	0.00%
31	VALVE RAISING-CRAWFORD CANYON-ENG.	-	-	500	(500)	0.00%
32	VALVE RAISING-CRAWFORD CANYON-LABOR	-	-	500	(500)	0.00%
33	VALVE REPLACEMENTS- SYSTEM CONST.	-	-	15,000	(15,000)	0.00%
34	VALVE REPLACEMENTS- SYSTEM LABOR	-	-	5,000	(5,000)	0.00%
35	ALLOW FOR SYSTEM RELOCATION-CONST.	-	-	100,000	(100,000)	0.00%
36	ALLOW FOR SYSTEM RELOCATION-ENG.	-	-	5,000	(5,000)	0.00%
37	ALLOW FOR SYSTEM RELOCATION-LABOR	-	-	5,000	(5,000)	0.00%
38	BACKUP GENERATOR FOR VP BOOSTER-CONST.	-	-	50,000	(50,000)	0.00%

	DESCRIPTION	MONTHLY ACTUAL	YTD ACTUAL	ANNUAL 2014-15 BUDGET	BUDGET $ OVER (UNDER)	PERCENT OF BUDGET EXPENDED
39	REPLACE BACKHOE-CONSTRUCTION	-	40,150	25,000	15,150	160.60%
40	FINANCIAL SOFTWARE	414	9,095	25,000	(15,905)	36.38%
41	BACKUP SYSTEM PRV - CIRCULA PANORAMA-CONSTRUCTION	-	-	30,000	(30,000)	0.00%
42	BACKUP SYSTEM PRV - CIRCULA PANORAMA-ENGINEERING	-	-	10,000	(10,000)	0.00%
43	BACKUP SYSTEM PRV - CIRCULA PANORAMA-LABOR	-	-	10,000	(10,000)	0.00%
44	SECURITY IMPROVEMENTS - RESERVOIR SITES-CONSTRUCTION	-	-	10,000	(10,000)	0.00%
45	SECURITY IMPROVEMENTS - RESERVOIR SITES-LABOR	-	-	5,000	(5,000)	0.00%
46	JOINT WELL - ENGINEERING	-	-	25,000	(25,000)	0.00%
47	JOINT WELL - LABOR	-	-	5,000	(5,000)	0.00%
48	WELL DISINFECTION CONVERSION -CONST/EQUIP	-	-	45,000	(45,000)	0.00%
49	WELL DISINFECTION CONVERSION-ENGINEERING	-	-	10,000	(10,000)	0.00%
50	WELL DISINFECTION CONVERSION - LABOR	-	-	2,500	(2,500)	0.00%
51	WEST WELL REHABILIATION -REPLACEMENT-CONSTRUCTION	-	-	70,000	(70,000)	0.00%
52	WEST WELL REHABILITATION -REPLACEMENT-LABOR	-	-	2,000	(2,000)	0.00%
53	SIDEHILL BOOSTER-CONSTRUCTION	-	18,562	-	18,562	0.00%
54	SIDEHILL BOOSTER-LABOR	-	1,040	-	1,040	0.00%
55	SCADA SYSTEMS SITE ADDITIONS - VP SIDEHILL AND RZ FIRE PUMP	-	-	20,000	(20,000)	0.00%
56	TOTAL OPERATING EXPENSES:	458	109,611	766,250	(656,639)	
57	Net Income (Loss):	12,616	211,896	-	211,896	

EAST ORANGE COUNTY WATER DISTRICT

MEMO

TO: BOARD OF DIRECTORS

FROM: GENERAL MANAGER

SUBJECT: MWDOC PROPOSED AND OCWD ADOPTED FY 2015/16 BUDGETS

DATE: MAY 21, 2015

BACKGROUND – MWDOC

At their upcoming May 20th meeting, the MWDOC Board will consider adopting a total budget of $188,352,060 comprised as follows:

General Fund Budget (Inclusive of Expenses funded by Reserves)	$ 8,168,723
Water Purchases Budget.....	157,043,815
Water Use Efficiency Budget	22,766,204
WEROC Budget.....	283,613
AMP Budget	17,558
AMP Sales Proceeds Distribution Budget	4,823
Total Budget Resolution	$188,284,736

This budget reflects a decrease in water sales due to the drought mandate and a small increase (3.1%) in the General Fund Budget due to increases in the Water Use Efficiency program ($103,568), the school education program ($19,733), the Value of Water Program ($29,783) and the Core programs (~$20,000). A MWDOC staff memo and proposed budget are attached.

The proposed MWDOC/MET rates and charges are:

Proposed Rates	Proposed Rates July 1, 2015	Proposed Rates January 1, 2016
MWDOC Retail Meter Charge	$0.00	$0.00
MWDOC Increment Rate	$10.50	$10.85
System Access Rate	$257.00	$259.00
System Power Rate	$126.00	$138.00
Water Stewardship Rate	$41.00	$41.00
MWDOC Melded Supply Rate	$158.00	$156.00
Treatment Surcharge	$341.00	$348.00
Treated Full Service Rate	$923.00	$942.00
Untreated Full Service Rate	$582.00	$594.00

Note that MWDOC will no longer charge a fee on top of the MET commodity rate – they will fund their operations 100% from the "Increment Rate," which is a fixed charge per meter.

EOCWD received our projected share of the MET/MWDOC Readiness to Serve Charge and Capacity Charge and were concerned that these are rising by 15% and 23%, respectively. At the date of this memo, MWDOC staff has been requested to look into this and we are awaiting an answer.

BACKGROUND - OCWD

At their April 15th meeting, the Board of Directors of the Orange County Water District adopted a $176.1 Million FY 2015/16 Budget. This is a $29 Million (14%) decrease primarily due to the reduced Capital Improvement Program and reduced water purchases; a comparison of this year's major budget categories with FY 2014/15 is shown below:

	FY 2014/15 (in millions)	FY 2015/16 (in millions)
General Operating Fund	$54.8	$60.3
Capital Improvement Program	74.3	27.7
Debt Service	33.5	35.6
Water Purchases	26.3	0.9
Repair & Rehabilitation Expenditures	15.0	24.0
Retiree Medical Benefits	1.3	26.3
New Equipment	.7	1.3
TOTAL	$205.9	$176.1

The new budget includes the following assumptions:

- The purchase of 55,000 AF of MET untreated full service water supplies for recharge to the groundwater basin in support of a 70% BPP (reduced 2% from FY 2014/15).
- The expansion of the Groundwater Replenishment System (from 70,000 to 80,000 AFY) will be placed into service during this fiscal year. Increases of General Fund expenses by $5.5M due to increased chemical and utilities costs for the expanded GWRS are expected.
- An increase in the number of employees from 217.5 to 218.5.
- An accumulated overdraft at June 30, 2015 of an estimated 432,000 AF

A copy of the adopted budget is attached.

The Replenishment Assessment (also referred to as the "RA" or the amount EOCWD pays for each AF of water pumped) will increase from $294/AF to $322/AF (+10%). The Basin Production Percentage ("BPP" or the percentage of the total RZ water demand that can be pumped from the groundwater basin) will decrease from 72% to 70% next year equal to a total demand of 321,600 AF for all pumpers (~400 AF for EOCWD).

As noted above, the accumulated overdraft for the basin at June 30, 2015 is expected to be 432,000 AF and could hit the 500,000 AF level (where mandatory reductions occur) as declining amounts of Santa Ana River recharge water is available; an increase in this deficit can occur despite the purchase of the MET untreated recharge water and the GWRS expansion water.

RECOMMENDATION

Information only; no action is required.

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

Item No. 5

ACTION ITEM
May 20, 2015

TO: **Board of Directors**

FROM: **Administration & Finance Committee**
(Directors Thomas, Osborne & Finnegan)

Rob Hunter
General Manager

SUBJECT: **APPROVAL OF MWDOC'S BUDGET for 2015-16**

STAFF RECOMMENDATION

Staff recommends the A&F Committee, Board, Member Agencies and the public review and provide input and comments in the FINAL DRAFT of MWDOC's budget for 2015-16. The form of findings for the FINAL DRAFT budget includes the following:

1. Adopt the budget Resolution as attached, with a budget total of $188,352,060 and a consolidated general fund budget of $8,423,954 (Revenue).
2. The total amount of Water Use Efficiency (WUE) outside funding for rebates and grants will increase from a FY2014-15 budget of approximately $3.7 million to a proposed budget of almost $23 million. This requires an increase in the Cash Flow Reserve to $1.5 million.
3. The total outside funding from WUE and Local Resource Project (LRP) sources will be approximately $38.2 million in FY2015-16. This means that MWDOC will be bringing in revenue that is more than 4.6 times its consolidated operating budget.
4. Fund the Reserves to the levels specified in the Administrative Code.
5. Fund the Election Reserve via an annual contribution of $260,000 which has been determined to be the long-term annual contribution to allow full funding for election costs every two years.
6. Establish a Building Improvement Budget of $500,000 by the end of FY14-15 as outlined in the discussion below and maintain the Building Reserve Fund at the target level of $350,000 from then on.
7. Fund OPEB at the annual level pay amount of $155,000. Combined with the estimates provided in our most recent actuarial evaluation, this level of annual contributions should allow satisfaction of the OPEB liabilities within the next 10 years.

8. For dealing with the Pension Liability issue, staff is recommending continuation of the practice of increasing the staff contribution towards pension payments by 1% each year until a total of 7% has been achieved. This year, the budget was developed assuming the staff contribution is 4%.
9. Complete the transition to a 100% fixed rate for retail meters with a FY2015-16 target of 100% fixed revenue for the Core Budget.
10. Increase the total number of full-time MWDOC and WEROC employees from 29 to 30 (includes WEROC staff as being fully counted).
11. Significant project activities in FY2015-16 will include:
    - Orange County Reliability Study actions
    - Value of Water communication program
    - MWDOC rate study
    - Water Use Efficiency efforts on water savings potential and a web-based rebate processing platform
    - Metropolitan activities related to allocations and the Integrated Resource Plan
    - Update of the MWDOC website and communication surveys
    - Government Affairs activities at the local, state and federal level.
12. The CHOICE Activities for this year will include:
    - School Program
    - Water Use Efficiency
    - Value of Water Communications Plan
    - Doheny Desal
    - Poseidon
    - Urban Water Management Plans
    - Water Loss Control Auditing
    - South Coast & Laguna Beach CWD Foundational Program Work on Doheny
    - South Coast WD Baseline Environmental Monitoring Work

A reminder to the Board that Memberships outlined in the Budget (Exhibit D) are approved by the Board with approval of the budget and therefore, each membership will NOT be brought to the Board for approval. Any NEW memberships not included in the budget will be brought to the Board for consideration.

In a similar sense to Memberships, budget approval includes Board and Staff approval for attendance at “standard conferences”. Standard conferences are those included on Exhibits E and F. Any NEW conferences will be brought to the Board for consideration.

COMMITTEE RECOMMENDATION

Committee recommends (To be determined at Committee Meeting)

CHANGES FROM THE FIRST DRAFT TO THE FINAL DRAFT

Changes from the First Draft to the FINAL DRAFT of the Budget includes:

1. Increased the total Salaries & Wages budget based on the results of the Salary Survey by approximately $33,600 with an associated increase in the Benefits of approximately $8,800.

2. Modified the budget treatment of the 1% PERS charge that resulted in a decrease in Salaries & Wages plus Benefits of $19,000.

3. Increased the Consultant Fees for the Public Affairs cost center by $68,000 to manage the short-term personnel issues. This will be partially offset by salary savings.

4. Made several modifications to the WUE Choice budget to adjust for the anticipated rebate volume

5. Adjusted the FY15-16 water sales to reflect reductions from the Governor's Executive Order.

DETAILED REPORT

The FY 2015-16 MWDOC budget is developed through a transparent and iterative process. Key topics discussed below include:

1. MWDOC Budget Process & Schedule
2. Budget Principles
3. Budget Input from Member agencies
4. MWDOC Priorities & Practices Overview
5. Key Initiatives
6. Core/Choice Programs
7. Reserves
8. Water Rates and Charges

A short discussion on each item follows:

1. MWDOC Budget Process & Schedule

MWDOC's budget is developed in a process that begins in December with initial notification of Member Agencies and concludes with the formal budget approval by the Board of Directors in May. The general budget schedule is outlined below.

December 2014
• Notification to Member Agencies of start of budget process and solicitation of input.
January 2015
• MWDOC staff begins preparation of budget hours and costs on program and line-item basis.
• Review of five month actuals and fiscal year-end projections.
• Review budget adjustments for current fiscal year.
• Preparation of internal, draft conceptual budget (review changes for upcoming fiscal year).
February 2015
• Initial review of budget issues with A&F Committee for feedback.
• Initial discussion of budget issues with Member Agencies for feedback.
• Request for Member Agencies' preliminary indication of participation in CHOICE Services.
March 2015
• Publish and post the First Draft Budget in the packet for the Administration and Finance (A&F) Committee in early March.
• Review Full Draft Budget with A&F Committee.
• Formally request comments from all Member Agencies.
• DRAFT information completed on prior year WUE benefits to Member Agencies to serve as basis of charging agencies for the upcoming year for WUE activities.
• Member Agencies are to confirm participation in CHOICE Services by March 15. However in practice, this often doesn't occur until the end of April and after Elected Officials meeting.
• Discuss First Draft Budget at Member Agency Managers' Meeting.
• Meet with Member Agencies as requested or scheduled.
April 2015
• FINAL information completed on prior year WUE benefits to Member Agencies to serve as basis of charging agencies for the upcoming year for WUE activities.
• Member Agencies' submit Formal Comments about the Budget before April 15.
• Review Final Draft Budget and MWDOC's rates with Member Agencies.
• Discuss Final Draft Budget at Member Agency Managers' Meeting
• Discuss Final Draft Budget in A&F Committee.
• Conduct meeting with Elected Officials from Member Agencies to discuss budget and other topics before the end of April.
• Confirm CHOICE Participation.
May 2015
• Final Draft Budget and Rates presented to A&F Committee.
• Member Agencies' Formal Comments presented to A&F Committee.
• Discussion at Member Agency Manager's meeting.
• Board approval of FY2015-16 Budget and Rates.

2. MWDOC Budget Principles for 2015-16

Staff continues to utilize several Budget Principles to develop the draft budget including:

- **Principle #1: Budget Investments Align with MWDOC's Priorities & Value**
  The budget should reflect the mission and goals of MWDOC and align proposed activities with the valued benefits of the Board and our stakeholders.

- **Principle #2: Activities Based on a County-wide Perspective**
  MWDOC's service area extends to the Orange County's borders and the budgeted activities must comprehensively address issues, needs and benefits for the entire county.

- **Principle #3: Efficient Program Design & Performance**
  The budgeted programs must consider complementary and cooperative designs to maximize benefits from other regional and local water resource programs to maximize value.

- **Principle #4: Full Cost Recovery**
  The budget will be developed so as to support full cost recovery of all expenses via the rates and charges without the unplanned use of reserves

- **Principle #5: Compliance with Administrative Code & Settlement Agreement**
  The proposed budget and budget process should fully comply with applicable sections of the code and agreement.

3. Budget Input From Member Agencies

At this point in the budget process, input from Member Agencies has been limited. No additional comments were received at the April 29 Elected Officials Meeting.

4. Priorities & Practices Overview

Key priorities and practices include MWDOC's major areas of concentration:

- Metropolitan as a main source of reliability
- Regional Reliability and the OC Water Reliability Study
- Water Use Efficiency (WUE)
- Water Emergency Response
- Communications
- Government Affairs

These are discussed below.

Metropolitan Water District of Southern California (MET)

MWDOC's number one effort remains ensuring that policies, supplies, programs and projects developed and implemented by MET have significant value to the citizens and ratepayers in Orange County and to Southern California.

- MET is key to providing and underwriting SUPPLY reliability and regional SYSTEM reliability in Southern California. Many of MWDOC's initiatives are aimed at maintaining a close working relationship with MET and other MET member agencies to guide the efforts at MET in a constructive manner; in the best interest of the region and Orange County. The value of these types of relationships resulted in significant progress made in the last year in getting approval at the MET level for increased contributions towards MET's LRP Program, in working out the details of the Allocation Program and in securing water for groundwater replenishment for OCWD, providing additional funding for WUE and drought communications of about $80 million.

- MWDOC appoints four MET directors who sit on the MET Board and directly advocate issues. These four MET directors work with the other three directors from Orange County (Anaheim, Fullerton, Santa Ana) and directors from outside of Orange County. Our Orange County MET contingent and the overall MET Board are faced with ensuring the economic health of MET which directly impacts the economic health for Orange County, the region and the State. To this end, our directors have advocated for financial issues at MET to ensure its viability over the long run, appropriate levels of reserves, and financial policies that minimize and level long-term costs and rates impacts. Over the past year, the advocacy of our MET directors has resulted in MET significantly improving its position with respect to pension liability, OPEB liability, investments in rehabilitation and repair of facilities and in incorporating future long term investments such as the BDCP while remaining strong financially.

- MWDOC will continue its involvement in the lawsuit between SDCWA and MET, as well as other litigation. The outcome is critically important to Orange County and our involvement in the litigation is to ensure the taxpayers and ratepayers of Orange County are fully represented.

- The upcoming year will involve an update to MET's Integrated Resources Plan (IRP), the first update since 2010. The IRP is the Region's Roadmap to Reliability, combining both local supplies and imported supplies to meet total Southern California demands over the next 20 years. This time around, the IRP will likely involve a number of interesting discussions and decisions given that 8 of the last 9 years have involved supplies considerably lower than historic supplies and demand conditions hotter and drier than have typically been encountered under our 90 year historical climate conditions. Key to meeting demands over the long-run is the completion of the BDCP. However, questions loom over how reliability will be achieved in California and Southern California over the next 20 years or so until the BDCP comes on-line. Other key issues are climate variability and how this will affect our ability to store water in wet years for use in dry years and how we might collectively plan to meet

demands in Southern California if the San Andreas Fault simultaneously interrupted the Colorado River Aqueduct and the State Water Project.

Regional Water Reliability and the OC Water Reliability Study

The improvement of water supply and system reliability is key for the ratepayers and citizens of the County and is of primary concern in MWDOC's budget. Reliability cannot be improved by OC investments alone and it is imperative that our reach in this area is both local and regional to MET and DWR. This past year included the kick-off of the OC Water Reliability Study which will wrap up on the coming fiscal year. The goals for the OC Water Reliability Study are:

1. To understand Orange County's current and future situation with respect to WATER SUPPLY and SYSTEM RELIABILITY issues

2. Develop and provide information towards prioritization and decision-making for reliability improvements in Orange County

3. Involve/engage the large stakeholder group in the process of improving SUPPLY and SYSTEM reliability

4. To foster actions that produce quantifiable reliability improvements in Orange County that are timely and cost-effective

The OC Reliability Study is the first comprehensive look at local and regional investments that can benefit OC in many years. The examination of our SUPPLY and SYSTEM reliability must consider not only the regional system, but the upcoming investments through MET Integrated Resources Plan and must take into account the many intricacies and policies of tracking where benefits accrue for the water resources investments being made. The biggest example of this is how investments in OC will pay-off for OC under future shortage scenarios and whether the existing policies appropriately vest the benefits in the correct places.

Water Use Efficiency (WUE)

Sound water management policy requires a continuing effort to improve water use efficiency. This requirement is intensified by the current drought conditions. Providing the technical expertise and the program support along with securing funds for water use efficiency efforts is a priority for MWDOC and our member agencies. Additional funding for WUE efforts emerged this year increasing the rebate levels from about $4 million to over $23 million in the coming year. MWDOC must be able to capitalize on these opportunities as they arise and bring the benefits to OC.

Water Emergency Response

MWDOC made significant changes towards the preparedness of the Water Emergency Response Organization of Orange County (WEROC) this past year to improve and

strengthen the state of readiness to assist in a time of emergency. WEROC will pursue further changes this coming year to enhance response efforts and to seek additional funding options for improved resilience across the county. At the time of printing of the budget, WEROC is in the process of securing grants for both fuel trailers and for generator connection cables to allow added flexibility when sharing generators from agency to agency.

Communication

Communications to our citizens, in coordination with our member agencies, is a key part of MWDOC's efforts. Communication related to critical water resource issues, water supply and system reliability, and water resource projects and investments are all essential elements of the Communications Plan. To maximize both effectiveness and efficiency MWDOC is working with our member agencies on coordinated communication efforts. MWDOC generally provides program efforts at the regional level and above while providing necessary assistance to the retail agencies for communications with the local ratepayers. This division of responsibilities is a key area of coordination on behalf of MWDOC. Crucial issues in the coming year will be the drought, BDCP discussions, regional reliability and funding from the Water Bond.

Government Affairs

Governmental Affairs continues to work at the local, state and national levels with our Member Agencies, organizations, delegations, agencies and bureaus to advance Orange County's agenda. Central to this effort are not only funding opportunities such as Prop1 but also policy legislative and regulatory developments and opportunities.

5. MWDOC Key Initiatives

Besides the items previously discussed above, the key initiatives from staff for 2015-16 that are included in the budget include:

- Continue to work closely with MET on rate/stability issues, support for the Bay-Delta, completion of the IRP Update and management of water in Southern California, especially since it is anticipated that we will be under Mandatory Restrictions from MET beginning in July 1 of this year. The drought and water management issues it brings will likely remain at the fore-front as a short-term priority, but we can't forget about planning for the long-term solutions such as the BDCP preferred alternative and recirculated EIR/EIS that is anticipated this coming summer.

- Continue work on the OC Water Reliability Study. The OC Water Reliability Study was initiated last year and should wrap up in the fall of 2015. It is too early to predict the exact nature of the spin-off efforts from the Study work, however, staff will seek to provide sufficient budget to accommodate whatever work efforts may arise, which could include:

    - A conjunctive use program between OCWD and South Orange County
    - Consideration of ocean desalination

- Consideration of central valley banking and transfers
- Support for additional recycling, Indirect Potable Reuse and Direct Potable Reuse planning
- Improvements to respond to emergency outages
- Work with MET and DWR on Emergency Colorado River and State Water Project Outages
- Examination of additional investments in WUE to reduce demands
- Sharing of supplies and resources within the County
- On-going work with OCWD on basin issues
- A key element is to obtain concurrence for the introduction and conveyance of local water in the East Orange County Feeder No. 2 (EOCF#2). This has never been done, but when accomplished opens up a number of options for Orange County.
- Continue to examine opportunities for local or regional reliability via banking programs.

The key aspects of the OC Water Reliability Study are:

- 10-Year update of Countywide Water Reliability
- Improved methodology for projecting water demands
- Agreed upon definition and evaluation of SUPPLY and SYSTEM Reliability
- Comprehensive Review of ALL Water Sources
- MET Import including put and take from storage sources
- Local supplies Including groundwater
- Regional Projects
- Storage
- Water Banking
- Transfers/Contracts
- Focus on utility of information for decision-making
- Decision making remains with local utilities

The key tasks of the OC Water Reliability Study are:

- Analyze historical demands and develop updated projection of future demands & potential for future WUE impacts in OC
- Review existing OC local supplies and project these supplies into the future
- Estimate of supplies available from MET – This will involve modeling of supplies from the State Water Project and the Colorado River Aqueduct as well “puts” into and “takes” out of MET storage accounts; will also characterize climate variability impacts and biops impacts on supplies as well as “with” and “without” a BDCP solution (note – our time frame is out to 2035, so under almost any condition, a BDCP solution will not be in place at that time)
- Develop a SUPPLY GAP Analysis – This is the most difficult analysis for the study, which is to estimate through the year 2035 what the reliability of our import supplies will be from MET under various scenarios. The goal of this task is to provide a reasonably analysis of what is to be expected and to understand the impacts of key drivers of reliability or the lack of reliability.

- Develop an Emergency SYSTEM GAP Analysis – Based on prior work completed by MET, the ability of the local water systems to provide supplies for 60 days assuming there is an outage of the MWD system will be made; the key analysis will be to estimate the potential impacts to local well production facilities due to earthquake ground acceleration and to examine recovery aspects.
- Review options for NEW local supplies & SYSTEM capabilities/supplies to resolve GAPS identified
- Recommendations/Follow-up

- Continue with implementation of the Water Use Efficiency Master Plan including methods to firm up local funding options for local agencies. Begin integrating recycled water use into Water Use Efficiency programs by accelerating recycled water connections through customer incentives. Additional funding for water use efficiency efforts did emerge and will likely increase again this year which brings with it an opportunity to continue working to assist residents and businesses in the County with opportunities to use water more efficiently, thus saving water for future years, achieving compliance with the 20% by 2020 and attaining Integrated Resources Plan reliability goals.

    - Secure MET funding; over the past several years, MWDOC has brought in about $4 million this year, with funding reaching as high as $23 million this coming year. Had MWDOC not had the staffing, expertise, know-how and systems in place, a large opportunity would have been missed. Our WUE staff continues to perform for the benefit of OC.
    - Secure Proposition 84 (last round) and Prop 1 via the IRWMP to allow additional WUE programs to be implemented in South OC.
    - Complete implementation and evaluation of the Spray-to-Drip Pilot Program. Seek opportunities to expand beyond the Pilot Phase.
    - Conduct a Turf Removal Rebate Program water savings evaluation to establish an OC based water savings metric
    - Engage with the SWRCB regarding Drought Regulations
    - Develop a methodology for implementation of “efficiency targets” as a way of measuring how we are doing and examining the potential for future savings from investments in WUE
    - The massive upsurge in WUE rebate funding requires the development of a new web-based rebate processing platform to contain costs, maintain timely performance and continue stringent audit controls.

- Continue to expand drought response assistance to member agencies and customers. This includes understanding the implications of the water supply situation, moving into allocations and how to manage local issues including the development of key messages, input to MET on their key messages, coordination of messages internal to the County and the Value of Water Communications.

- The Value of Water Communications Plan is a long-term effort designed to engage, educate and inform Orange County residents and businesses of the value water service provides. The value of reliable water service includes building support for

local projects, repair and replacement programs and water rate increases. In addition, one of the core elements of this plan is to improve public trust and credibility. Changing public perception and sentiment as well as instilling public trust is a long-term effort. It is not a switch that you turn on and off overnight; rather, it is a commitment that the family of Orange County Water Agencies make every day, with each customer and stakeholder interaction. These communication needs are occurring against a backdrop of aging infrastructure, regulatory changes, competition for supplies, projected water rate increases, and a need for greater transparency – and now the drought.

Last year the program, implemented as a Choice program, included:

- Definition of public attitudes and perceptions of water and water service
- Development of a communication plan and message refinement
- Working with our communications consultant, Fraser Communications, a number of creative elements were developed and made available to participating agencies/cities; these included:
    - Video: a short, two-minute video will be developed. This format can also provide shorter, 30-second versions for digital media channels as well as local Public Service Announcements.
    - Digital media/Social media: Facebook marketed via weekly "boosted" posts. As our research indicated, digital and social media channels are becoming more important to consumers. This also provides outreach to those consumers that are not directly paying their bill and do not receive information from their water provider in other formats. This also includes social media elements agencies can incorporate with their existing media strategy and editorial calendars.
    - Bill inserts: print and electronic bill inserts will be distributed via the retail water agencies' billing systems. Although digital and social media is growing in popularity, bill stuffers are still a reliable way to reach the bill-paying consumer.
    - Give-away items: a selection of message-focused items are being purchased and distributed at community events. These items will be focused on innovation and provide a way to reinforce our message to the public.
    - Professional services and staff support: ongoing subject matter expertise and in-house staff support will be available to implement the program and provide necessary support and resources.
    - Briefing Papers; one page, visually engaging elements are being developed to support the three pillars and to easily convey information to stakeholders and influencer groups.
    - Electronic Consumer Confidence Report Templates
    - Newsletter articles: based on the three platforms we developed, newsletter articles are being crafted and made available to member agencies and to influencer groups.
    - Presentation templates: a PowerPoint and Prezi template are being developed and distributed to participating agencies to use as part of their outreach efforts. Assistance with community outreach will be made available as resources permit.

This coming year, the Value of Water Communications was expecting to provide a similar menu of options for our agencies which will also consider message points relative to the drought and allocation situation, but with larger media purchases. Given the severity of the drought situation and the need to meet the Governor's cutbacks, the program activities may be parked or converted into drought messaging. MWDOC will continue working with its agencies on this issue.

- Public Affairs activities increase focus on a few critical areas. MWDOC will implement a major upgrade of our website in FY2015-16. The current website is not functional for some mobile devices and iPads. In addition, our biennial phone survey is scheduled for this year along with an experimental survey to address portions of the population which are being under-represented in the normal phone surveys.

- MWDOC's renewed efforts on Government Affairs will focus on funding and regulatory programs at the state and federal level. We are accelerating efforts with the Orange County and California delegations and select Committee Members to marshal support, funding and beneficial modifications for national programs including WIFIA and SRF. At the state level, significant efforts will be made in tracking and obtaining funding opportunities, including Prop 1, for Orange County projects.

- Protect MWDOC and local agency interests in MET via continued participation in the SDCWA lawsuit against MET.

- Participate in other water-related lawsuits, as appropriate, in support of our Member agencies and the residents of Orange County.

- Continue to seek areas of efficiency in the District's operations.

- A renewed effort for WEROC this past year will continue. It involves an enhanced training program for MWDOC staff to ensure sufficient support staff exists and is fully cross-trained to staff both a North and South Emergency Operations Centers and to search for more grant funding for resiliency improvements in the County. The investment in MWDOC staff training this past year resulted in one of the best WEROC test exercises ever, while requiring the volunteers to take-on positions they had not previously staffed. The resulting cross-training should continue to pay-off. Again this coming year, each of the MWDOC staff members will participate in about 30 to 40 hours of training to help WEROC remain at a high state of readiness. Also, in this coming year, there are potential grants in the form of fuel trailers and generator cabling to allow connections to differing types of electrical transfer switches. Both of these improvements should improve our resiliency in the County. Also, the outcome of the OC Water Reliability Study SYSTEM evaluation should result in proposals for further improvements in the County resiliency in dealing with earthquakes or other events and allow us to seek further grant funding.

- Preparing for the MET Update of its Integrated Resources Plan. Work from the OC Water Reliability Study will position us well to provide input into the process.

Additional work may be required to demonstrate the need for MET to conduct work in specific areas.

- Tracking Progress on the BDCP and whether any deeper involvement from MWDOC and OC is warranted
- Completion of a study to support MWDOC's rates and charges.
- Review of staffing levels and succession planning issues.

6. Core/Choice Programs for 2015-16

The Choice Programs for 2015-16 include:

- School Program – will continue grade-level appropriate educational opportunities in accordance with State Curriculum for grades 1-6. MWDOC has negotiated with Discovery Science Center to secure the keypad program for all of the assembly programs in these grades. MWDOC is still involved in seeking to add a High School component for grades 9-12, however, the details of this program have not yet been approved.

- Water Use Efficiency – Will continue to access MET WUE funding and grants from other sources for implementation programs for OC.

- Value of Water Communications Plan - It was first anticipated that this implementation phase of the communication plan will continue as a Choice Budget at a level consistent with last year. The effort may be parked or converted into drought messaging for this coming year. Work remains in working out the details.

- Doheny Desal 2008 – Work at maintaining the site, compliance with the State Parks Lease arrangement and conduct of site tours will continue. Limited funding remains from the 2008 Participation Agreement to fund the State Lease and electrical costs of the facility; furthermore, the group of five Participants needs to make a decision regarding leaving the facilities in place or pulling them out (funds in the amount of $356,000 have been retained for the removal effort). It is uncertain at this time what other focus activities might be involved this coming year.

- Doheny Desal 2015 – This would be activities initiated in this coming year in the event two or more Participants would want to continue on with the project. MWDOC's involvement might include the formation of a JPA with MWDOC holding a position open for future potential participation by other local agencies. The exact nature of these efforts is not entirely certain for the coming year or which participants may be involved.

- Poseidon – Much work on the Poseidon Project is anticipated by Poseidon this year with their desire being to secure the final Coastal Commission Permit. It is

expected that OCWD will remain involved in the discussions as will MWDOC. MWDOC will continue its efforts to secure LRP funding and to secure approval to convey the water in the EOCF#2 (these efforts are not part of the Choice Program, but are efforts undertaken by MWDOC in support of our agencies). It is uncertain the exact focus of MWDOC's Choice efforts this coming year or which participants may be involved although it is anticipated that the work group will be active in reviewing project documents and proposals.

- 2015 Urban Water Management Plans - By the start of the fiscal year, MWDOC should be seeking Member Agency Participation in a contract to prepare the 2015 Urban Water Management Plans, which must be submitted to DWR by July 1, 2016. As the budget is being prepared, MWDOC is in the process of preparing an RFP to various consulting firms to invite them to provide proposals to help 20 to 30 of our agencies in the preparation of these plans. In 2010, MWDOC developed a plan to complete 24 UWMP's simultaneously in Orange County, saving the average agency about $40,000 in the process.

- 2015 Water Loss Control Audits - A NEW UWMP requirement for this coming year is the completion of reporting for Water Loss Control Auditing, as prescribed by AWWA. MWDOC will also be seeking proposals from consultants to help our agencies comply with this requirement, as an additional option.

- South Coast & Laguna Beach CWD Foundational Program Work on Doheny (requires the staff time of Richard Bell) – These efforts, which began in 2014, should be completed this coming fiscal year. The work undertaken will result in a better understanding of the water quality issues for feed water for various sized project and will provide a better understanding of any mitigation that might be required for a smaller, 5 mgd facility, as well as for a 15 mgd facility. Most of MWDOC's work under this program, similar to what MWDOC is providing for the SJBA Foundational Action Program, is staff support MWDOC would provide to any of its agencies seeking MET funding. This is listed under the Choice Program because Richard Bell's time and assistance was specifically requested for several of the tasks involved in the study, which would have been beyond the level of input provided by MWDOC. That extra amount (about $37,000 of Richard's time between last fiscal year and this coming fiscal year) serves as the basis for the Choice Program, paid by the two agencies.

- South Coast WD Baseline Environmental Monitoring Work – Requires the staff time of Richard Bell. As South Coast Water District has initiated work for a 5 mgd facility, they have opted to begin the baseline environmental work that would be necessary for any future facility. Again, they requested assistance from MWDOC to help in this effort by contracting for the work and providing input to South Coast in the management of this work (about $153,000 in consulting work and about $6,000 of Richard's time). That is why this is listed as a Choice option.

7. MWDOC's Reserve Funds

The MWDOC Reserve Policy includes the following categories:

- General District
- Cash Flow
- Election Expense
- Building Expense
- OPEB Reserves

General District Reserves:
The General District Reserves were set at $1.85 million as of July 1, 2010 and increase by the inflation rate each year. In FY2015-16 the target reserve balance will be $2,056,908. The general district reserve balance will be on target.

Cash Flow Reserve:
Cash flow reserves were set at $1.00 million in 2010 and this amount is reviewed from time to time for appropriateness, based on the District's current operational needs. Due to the tremendous increase in WUE rebates, the cash flow reserve is increased to $1.5 million in the FY2015-16 budget.

Election expense:
MWDOC's election reserve is managed to fund seven elections every four years. Based on previous election costs, we have determined that $1.04 million (or $148,000 per division) is sufficient to cover seven elections. This requires that $260,000 be contributed to the election reserve annually.

Building Expense Reserve:
MWDOC's Building Reserves were set in 2010 to be kept at a minimum of $350,000 and adjusted from time to time to reflect the improvement needs of the office facility.

- Staff has working with OCWD and others on estimates of the costs involved for a number of projects, which include:
    - Renovation of Joint Boardroom, including conference room C-3 and the Lobby/Entrance area
    - Renovation of restrooms outside of the Joint Boardroom
    - Renovation of transition area from Lobby to MWDOC offices
    - Renovation of one set of MWDOC Bathrooms
    - Replacement of Boiler, Chiller and Energy Management System that serves both the MWDOC and the OCWD buildings (last year MWDOC replaced the air handler in its building)
    - Upgrade of front Landscaping
    - Renovation of office roof for future years

- Upgrade to fire alarm system
- Slurry coat of parking lot

Overall, these costs are estimated at about $400,000 in expenses next year.

The FY2015-16 budget includes a building expense contribution of $250,000 to maintain the $350,000 reserve balance.

OPEB Reserve:
In managing MWDOC's OPEB liability, the Board has taken the following actions:

- Employees hired after July 1, 2012 are not eligible to receive District-paid retiree and elective health and welfare benefits. This will substantially reduce future OPEB costs after dealing with the existing employees who qualified for the prior benefits.
- The Board requested that staff examine options for accelerating the payoff of the OPEB liability by increasing the annual payments. Based on the most recent actuarial as of July 1, 2014, it is recommended that the Board continue with annual contributions of $155,000 per year to both fund the actual annual costs and include an annual contribution to the Trust fund. Based on this level of investment, the liability should be fully accommodated within the next 10 years.

8. Water Rates and Charges

Historically, MWDOC's revenue towards funding of its Core Budget has been derived from charges associated with a retail meter charge (fixed) and a water volume increment charge (variable). Beginning in 2015-16, MWDOC's Core Budget will be supported ONLY by the retail meter charge. This is the fifth year of transition from the two-component charge to a single component charge. It should be noted that MWDOC has budgeted to complete a review of its water rate charges to determine if any future changes should be considered beginning on or after July 1, 2016.

The total amount of revenue from water sales also includes charges to cover the cost of MET water purchases and MET's associated charges. The proposed Total Water Revenues for FY2015-16 are $157,046,715 which is less than the adopted FY2014-15 budget number of $181,545,560 and the projected FY2014-15 actual of $198,166,020. This is due to the Governor of California asking for a 25% reduction in potable water use throughout the state.

For FY 2015-16 the proposed Retail Meter Charge is $10.85.

Attachments:

Attached hereto is the detailed, draft budget for this coming year.

RESOLUTION NO.
MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

APPROVING AND ESTABLISHING THE MWDOC BUDGET FOR FISCAL YEAR 2015-2016 INCLUDING THE RESERVE FUND, GENERAL FUND, WATER FUND, WATER USE EFFICIENCY FUND, WEROC FUND, AMP FUND, AND DEBT SERVICE FUND

BE IT RESOLVED by the Board of Directors of Municipal Water District of Orange County that the Budget for financing the District's operations for Fiscal Year 2015-2016, as recommended, be and the same is hereby adopted as follows:

General Fund Budget (Inclusive of Expenses funded by Reserves)	$8,168,723
Water Purchases Budget	157,043,815
Water Use Efficiency Budget	22,766,204
WEROC Budget	283,613
AMP Budget	17,558
AMP Sales Proceeds Distribution Budget	4,823
Total Budget Resolution	$188,284,736

Upon Board approval and the adoption of the Budget and rate resolutions, the General Manager will expend, under District policy, such budgeted amounts as necessary for the purposes identified in the Budget for the Municipal Water District of Orange County.

Said Resolution was adopted, on roll call, by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

I hereby certify the foregoing is a full, true and correct copy of Resolution No. , adopted by the Board of Directors of Municipal Water District of Orange County at its meeting held on _____.

_____
Maribeth Goldsby, Secretary
Municipal Water District of Orange County

Annual Budget for Fiscal Year 2015-16

Final Draft

MWDOC's mission is:

To provide reliable, high-quality supplies from MWD and other sources to meet present and future needs, at an equitable and economical cost, and to promote water use efficiency for all of Orange County

Exhibit A2
SUMMARY OF REVENUES AND EXPENSES BY LINE ITEMS
CORE FUND

	FY 2014-2015 ADOPTED BUDGET	FY 2014-2015 PROJECTED ACTUALS	VARIANCE ACTUALS TO BUDGET	FY 2015-2016 PROPOSED BUDGET	VARIANCE TO PROJECTED ACTUALS	VARIANCE TO FY 2014-2015 BUDGET
OPERATING EXPENSES:						
Salaries & Wages	$ 2,609,584	$ 2,418,754	$ (190,830)	$ 2,811,451 [1]	$ 392,698	$ 201,867
less for Recovery from Grants	$ -	$ -	$ -	$ -	-	0
Employee Benefits	831,154	724,025	(107,129)	738,389 [2]	14,364	(92,765)
Director Compensation	210,342	182,258	(28,084)	220,588	38,330	10,246
Director Benefits	119,356	70,765	(48,591)	60,024	(10,740)	(59,332)
MWD Representation	120,197	104,078	(16,119)	126,050	21,972	5,853
OPEB Annual Contribution	133,331	180,456	47,125	105,188	(75,268)	(28,143)
Overhead Reimbursement	(139,240)	(177,093)	(37,853)	(223,770)	(46,677)	(84,530)
Health Insurance Coverage for Retirees	50,244	45,980	(4,264)	50,387	4,407	143
Audit Expense	23,000	21,125	(1,875)	23,000	1,875	0
Automotive & Toll Road Expenses	14,550	14,100	(450)	14,775	675	225
Conference Expense - Staff	13,925	15,113	1,188	19,450	4,337	5,525
Conference Expense - Directors	8,650	10,745	2,095	9,800	(945)	1,150
Engineering Expense	355,000	465,000	110,000	300,000	(165,000)	(55,000)
Insurance Expense	97,000	95,000	(2,000)	96,000	1,000	(1,000)
Legal Expense - General	329,000	295,435	(33,565)	355,000	59,565	26,000
Maintenance Expense	118,768	115,804	(2,964)	126,670	10,866	7,902
Membership / Sponsorship	90,437	97,055	6,618	103,961	6,906	13,524
CDR Participation	39,961	39,961	-	39,740	(221)	(221)
Miscellaneous Expense	71,150	62,307	(8,843)	104,170	41,863	33,020
Postage / Mail Delivery	11,100	10,100	(1,000)	11,285	1,185	185
Professional Fees	463,700	365,495	(98,205)	785,278	419,783	321,578
Rents & Leases	16,708	11,780	(4,928)	19,000	7,220	2,292
Outside Printing, Subscription & Books	51,725	34,568	(17,157)	48,620	14,052	(3,105)
Office Supplies	24,288	25,244	956	29,400	4,156	5,112
Building Repair & Maintenance	10,800	10,000	(800)	11,000	1,000	200
Computer Maintenance	6,000	6,000	-	7,100	1,100	1,100
Business Expense	7,000	6,589	(411)	6,800	211	(200)
Software Support & Expense	54,384	43,723	(10,661)	52,500	8,777	(1,884)
Computers and Equipment	9,300	9,000	(300)	21,150	12,150	11,850
Telecommunications Expense	16,900	14,405	(2,495)	15,650	1,245	(1,250)
Temporary Help Expense	-	-	-	-	-	-
Training Expense	18,000	12,000	(6,000)	18,000	6,000	-
Tuition Reimbursement	6,000	-	(6,000)	5,000	5,000	(1,000)

Exhibit A2
SUMMARY OF REVENUES AND EXPENSES BY LINE ITEMS
CORE FUND

	FY 2014-2015 ADOPTED BUDGET	FY 2014-2015 PROJECTED ACTUALS	VARIANCE ACTUALS TO BUDGET	FY 2015-2016 PROPOSED BUDGET	VARIANCE TO PROJECTED ACTUALS	VARIANCE TO FY 2014-2015 BUDGET
OPERATING EXPENSES: continued						
Travel & Accommodations - Staff	38,300	36,898	(1,402)	56,510	19,612	18,210
Travel & Accommodations - Directors	29,600	31,087	1,487	27,600	(3,487)	(2,000)
MWDOC's Contribution to WEROC	128,508	128,508	-	141,807	13,299	13,299
Capital Acquisition (excluding building)	-	-	-	6,000	6,000	6,000
NORMAL OPERATING EXPENSES	**$ 5,988,722**	**$ 5,526,265**	**$ (462,457)**	**$ 6,343,573**	**$ 817,309**	**$ 354,851**
MWDOC's Building Expense	$ 168,000	$ 17,000	$ (151,000)	$ 400,000	$ 383,000	$ 232,000
Election Expense	444,000	272,537	(171,463)	-	(272,537)	(444,000)
TOTAL EXPENSES	**$ 6,600,722**	**$ 5,815,802**	**$ (784,920)**	**$ 6,743,573**	**$ 927,772**	**$ 142,851**

REVENUES:						
Retail Meter Charge	$ 6,440,532	$ 6,440,532	$ -	$ 6,687,322	$ 246,790	$ 246,790
Water Increment Charge	103,564	108,979	5,415	-	(108,979)	(103,564)
Interest Revenue	138,000	119,641	(18,359)	117,675	(1,966)	(20,325)
Miscellaneous Income	3,000	3,000	-	3,000	-	0
School Contracts	-	-	-	-	-	0
Inter Fund In	-	-	-	-	-	0
TOTAL REVENUES	**$ 6,685,096**	**$ 6,672,152**	**$ (12,945)**	**$ 6,807,997**	**$ 135,845**	**$ 122,901**

EFFECT ON RESERVES:						
Reserves Contribution (Draw) to cover for Operating expenses for Operations	**$ 84,374**	**$ 856,350**	**$ 771,976**	**$ 64,423**	**$ (791,927)**	
Increment Refund Due to OC-88 Error	**$ -**	**$ (72,809)**	**$ (72,809)**	**$ -**	**$ 72,809**	
TOTAL CONTRIBUTION (DRAW) FROM RESERVES	**$ 84,374**	**$ 783,541**	**$ 699,167**	**$ 64,423**	**$ (719,118)**	**$ (19,951)**

[1] Total Salaries & Wages includes $62,604 for intern support

[2] Total Benefits includes $7,349 for intern support

Exhibit A3
SUMMARY OF REVENUES AND EXPENSES BY LINE ITEMS
CHOICE FUNDS

	FY 2014-2015 ADOPTED BUDGET	FY 2014-2015 PROJECTED ACTUALS	VARIANCE ACTUALS TO BUDGET	FY 2015-2016 PROPOSED BUDGET	VARIANCE TO PROJECTED ACTUALS	VARIANCE TO FY 2014-2015 BUDGET
OPERATING EXPENSES:						
Salaries & Wages	$ 386,271	$ 431,039	$ 44,768	$ 498,498 [1]	$ 67,459	$ 112,227
less for Recovery from Grants	$ (16,437)	$ (20,080)	$ (3,643)	$ (23,500) [1]	(3,420)	(7,063)
Employee Benefits	130,762	124,204	(6,558)	124,680 [2]	477	(6,082)
Director Compensation	-	-	-	-	-	-
Director Benefits	-	-	-	-	-	-
MWD Representation	-	-	-	-	-	-
OPEB Annual Contribution						
Overhead Reimbursement	139,240	177,093	37,853	223,770	46,677	84,530
Health Insurance Coverage for Retirees	-	-	-	-	-	-
Audit Expense	-	-	-	-	-	-
Automotive & Toll Road Expenses	-	-	-	-	-	-
Conference Expense - Staff	-	-	-	-	-	-
Conference Expense - Directors	-	-	-	-	-	-
Engineering Expense	-	-	-	-	-	-
Insurance Expense	-	-	-	-	-	-
Legal Expense - General	-	-	-	-	-	-
Maintenance Expense	-	-	-	-	-	-
Membership / Sponsorship	-	-	-	-	-	-
CDR Participation	-	-	-	-	-	-
Miscellaneous Expense	49,250	20,000	(29,250)	12,500	(7,500)	(36,750)
Postage / Mail Delivery	-	-	-	-	-	-
Professional Fees	695,500	642,000	(53,500)	756,559	114,559	61,059
Rents & Leases	-	-	-	-	-	-
Outside Printing, Subscription & Books	40,500	30,000	(10,500)	23,450	(6,550)	(17,050)
Office Supplies	-	-	-	-	-	-
Computer Maintenance	-	-	-	-	-	-
Software Support & Expense	-	-	-	-	-	-
Telecommunications Expense	-	-	-	-	-	-
Computers and Equipment	-	-	-	-	-	-
Temporary Help Expense	-	-	-	-	-	-
Training Expense	-	-	-	-	-	-
Tuition Reimbursement	-	-	-	-	-	-

Exhibit A3
SUMMARY OF REVENUES AND EXPENSES BY LINE ITEMS
CHOICE FUNDS

	FY 2014-2015 ADOPTED BUDGET	FY 2014-2015 PROJECTED ACTUALS	VARIANCE ACTUALS TO BUDGET	FY 2015-2016 PROPOSED BUDGET	VARIANCE TO PROJECTED ACTUALS	VARIANCE TO FY 2014-2015 BUDGET
OPERATING EXPENSES: continued	-	-		-		
Travel & Accommodations - Staff	-	-	-	-	-	-
Travel & Accommodations - Directors	-	-	-	-	-	-
Capital Acquisition (excluding building)	-	-		-	-	-
TOTAL EXPENSES	**$ 1,425,086**	**$ 1,404,256**	**$ (20,830)**	**$ 1,615,957**	**$ 211,701**	**$ 190,871**

REVENUES:						
Choice Revenue	1,425,086	1,404,256	(20,830)	1,615,957	211,701	190,871
TOTAL REVENUES	**$ 1,425,086**	**$ 1,404,256**	**$ (20,830)**	**$ 1,615,957**	**$ 211,701**	**$ 190,871**

1 Total Salaries & Wages includes $52,246 for intern support

2 Total Benefits includes $5,600 for intern support

Exhibit A4
SUMMARY OF REVENUES AND EXPENSES BY LINE ITEMS
CONSOLIDATED

	FY 2014-2015 ADOPTED BUDGET	FY 2014-2015 PROJECTED ACTUALS	VARIANCE ACTUALS TO BUDGET	FY 2015-2016 PROPOSED BUDGET	VARIANCE TO PROJECTED ACTUALS	VARIANCE TO FY 2014-2015 BUDGET
OPERATING EXPENSES:						
Salaries & Wages	$ 2,995,855	$ 2,849,793	$ (146,062)	$ 3,309,949 [1]	$ 460,156	$ 314,094
less for Recovery from Grants	$ (16,437)	$ (20,080)	$ (3,643)	$ (23,500)	(3,420)	(7,063)
Employee Benefits	961,916	848,229	(113,687)	863,069 [2]	14,841	(98,847)
Director Compensation	210,342	182,258	(28,084)	220,588	38,330	10,246
Director Benefits	119,356	70,765	(48,591)	60,024	(10,740)	(59,332)
MWD Representation	120,197	104,078	(16,119)	126,050	21,972	5,853
OPEB Annual Contribution	133,331	180,456	47,125	105,188	(75,268)	(28,143)
Overhead Reimbursement	-	-	-	-	-	0
Health Insurance Coverage for Retirees	50,244	45,980	(4,264)	50,387	4,407	143
Audit Expense	23,000	21,125	(1,875)	23,000	1,875	0
Automotive & Toll Road Expenses	14,550	14,100	(450)	14,775	675	225
Conference Expense - Staff	13,925	15,113	1,188	19,450	4,337	5,525
Conference Expense - Directors	8,650	10,745	2,095	9,800	(945)	1,150
Engineering Expense	355,000	465,000	110,000	300,000	(165,000)	(55,000)
Insurance Expense	97,000	95,000	(2,000)	96,000	1,000	(1,000)
Legal Expense - General	329,000	295,435	(33,565)	355,000	59,565	26,000
Maintenance Expense	118,768	115,804	(2,964)	126,670	10,866	7,902
Membership / Sponsorship	90,437	97,055	6,618	103,961	6,906	13,524
CDR Participation	39,961	39,961	-	39,740	(221)	(221)
Miscellaneous Expense	120,400	82,307	(38,093)	116,670	34,363	(3,730)
Postage / Mail Delivery	11,100	10,100	(1,000)	11,285	1,185	185
Professional Fees	1,159,200	1,007,495	(151,705)	1,541,837	534,342	382,637
Rents & Leases	16,708	11,780	(4,928)	19,000	7,220	2,292
Outside Printing, Subscription & Books	92,225	64,568	(27,657)	72,070	7,502	(20,155)
Office Supplies	24,288	25,244	956	29,400	4,156	5,112
Building Repair & Maintenance	10,800	10,000	(800)	11,000	1,000	200
Computer Maintenance	6,000	6,000	-	7,100	1,100	1,100
Business Expense	7,000	6,589	(411)	6,800	211	(200)
Software Support & Expense	54,384	43,723	(10,661)	52,500	8,777	(1,884)
Computers and Equipment	9,300	9,000	(300)	21,150	12,150	11,850
Telecommunications Expense	16,900	14,405	(2,495)	15,650	1,245	(1,250)
Temporary Help Expense	-	-	-	-	-	-
Training Expense	18,000	12,000	(6,000)	18,000	6,000	-
Tuition Reimbursement	6,000	-	(6,000)	5,000	5,000	(1,000)

Exhibit A4
SUMMARY OF REVENUES AND EXPENSES BY LINE ITEMS
CONSOLIDATED

	FY 2014-2015 ADOPTED BUDGET	FY 2014-2015 PROJECTED ACTUALS	VARIANCE ACTUALS TO BUDGET	FY 2015-2016 PROPOSED BUDGET	VARIANCE TO PROJECTED ACTUALS	VARIANCE TO FY 2014-2015 BUDGET
OPERATING EXPENSES: continued	-	-		-		
Travel & Accommodations - Staff	38,300	36,898	(1,402)	56,510	19,612	18,210
Travel & Accommodations - Directors	29,600	31,087	1,487	27,600	(3,487)	(2,000)
MWDOC's Contribution to WEROC	128,508	128,508	-	141,807	13,299	13,299
MWDOC's Contribution to Desalination	-	-	-	-	-	-
Expenses billed to AMP, WFC	-	-	-	-	-	-
Election Expense	-	-	-	-	-	-
Capital Acquisition (excluding building)	-	-	-	6,000	6,000	6,000
NORMAL OPERATING EXPENSES	**$ 7,413,808**	**$ 6,930,520**	**$ (483,288)**	**$ 7,959,530**	**$ 1,029,010**	**$ 545,722**
MWDOC's Building Expense	$ 168,000	$ 17,000	$ (151,000)	$ 400,000	$ 383,000	$ 232,000
Election Expense	444,000	272,537	(171,463)	-	(272,537)	(444,000)
TOTAL EXPENSES	**$ 8,025,808**	**$ 7,220,057**	**$ (805,751)**	**$ 8,359,530**	**$ 1,139,473**	**$ 333,722**

REVENUES:						
Retail Meter Charge	$ 6,440,532	$ 6,440,532	$ -	$ 6,687,322	$ 246,790	$ 246,790
Water Increment Charge	103,564	108,979	5,415	-	(108,979)	(103,564)
Interest Revenue	138,000	119,641	(18,359)	117,675	(1,966)	(20,325)
Miscellaneous Income	3,000	3,000	-	3,000	-	0
School Contracts - Core	-	-	-	-	-	0
Inter Fund In	-	-	-	-	-	0
Choice Revenue	1,425,086	1,404,256	(20,830)	1,615,957	211,701	190,871
TOTAL REVENUES	**$ 8,110,182**	**$ 8,076,407**	**$ (33,775)**	**$ 8,423,954**	**$ 347,546**	**$ 313,772**

EFFECT ON RESERVES:						
Reserves Contribution (Draw) to cover for Operating expenses for Operations	**$ 84,374**	**$ 856,350**	**$ 771,976**	**$ 64,423**	**$ (791,927)**	
Increment Refund Due to OC-88 Error	**$ -**	**$ (72,809)**	**$ (72,809)**	**$ -**	**$ 72,809**	
TOTAL CONTRIBUTION (DRAW) FROM RESERVES	**$ 84,374**	**$ 783,541**	**$ 699,167**	**$ 64,423**	**$ (719,118)**	**$ (19,951)**

[1] Total Salaries & Wages includes $114,850 for intern support

[2] Total Benefits includes $12,948 for intern support

[2] Total Benefits assumes a Calpers contribution for full time employees of 11.512% for legacy classic employees, 8.512% for classic employees and 6.237% for PEPRA Calpers employees. A further assumption is that medical, dental and vision insurance rates will increase by 12% for calendar year 2016.

Exhibit A5
SUMMARY OF REVENUES AND EXPENSES BY LINE ITEMS
WATER FUND

	FY 2014-2015 ADOPTED BUDGET	FY 2014-2015 PROJECTED ACTUALS	VARIANCE ACTUALS TO BUDGET	FY 2015-2016 PROPOSED BUDGET	VARIANCE TO PROJECTED ACTUALS	VARIANCE TO FY 2014-2015 BUDGET
Water Revenues						
Water Sales	$ 179,976,734	$ 192,637,559	$ 12,660,825	$ 154,475,665	$ (38,161,894)	$ (25,501,069)
Local Resource Program Incentives	(16,102,631)	$ (12,171,036)	3,931,595	(15,450,587)	(3,279,551)	652,044
Readiness-To-Serve Charge	13,946,682	13,282,405	(664,278)	13,214,277	(68,128)	(732,405)
Capacity Charge	3,659,300	4,041,880	382,580	4,424,460	382,580	765,160
Tier 2 Contingency	-		-	-	-	-
Interest Revenue - CC			-		-	-
Interest Revenue - Tier 2 Cont.	4,275	2,700	(1,575)	2,900	200	(1,375)
SCP Operation Surcharge	361,200	372,512	11,312	380,000	7,488	18,800
TOTAL WATER REVENUES	**$ 181,845,560**	**$ 198,166,020**	**$ 16,320,459**	**$ 157,046,715**	**$ (41,119,305)**	**$ (24,798,845)**
Water Expenses						
Water Purchases	$ 179,976,734	$ 192,637,559	$ 12,660,825	$ 154,475,665	$ (38,161,894)	$ (25,501,069)
Local Resource Program Incentives	(16,102,631)	$ (12,171,036)	3,931,595	(15,450,587)	(3,279,551)	652,044
Readiness-To-Serve Charge	13,946,682	13,282,405	(664,278)	13,214,277	(68,128)	(732,405)
Capacity Charge	3,659,300	4,041,880	382,580	4,424,460	382,580	765,160
Tier 2 Surcharge	-		-	-	-	-
SCP Operation Surcharge	361,200	372,512	11,312	380,000	7,488	18,800
TOTAL WATER EXPENSES	**$ 181,841,285**	**$ 198,163,320**	**$ 16,322,034**	**$ 157,043,815**	**$ (41,119,505)**	**$ (24,797,470)**
Changes to Fund Balance:						
Capacity Charge	$ -	$ -	$ -	$ -	$ -	$ -
Tier 2 Contingency	$ 4,275	$ 2,700	$ (1,575)	$ 2,900	$ 200	$ (1,375)

Exhibit A6
SUMMARY OF FUNDING AND EXPENSES
For All Water Use Efficiency Programs

	FY 2014-2015 ADOPTED BUDGET	FY 2014-2015 PROJECTED ACTUALS	VARIANCE ACTUALS TO BUDGET	FY 2015-2016 PROPOSED BUDGET	VARIANCE TO PROJECTED ACTUALS	VARIANCE TO FY 2014-2015 BUDGET
Funding						
Metropolitan Water District	$ 1,050,465	$ 17,591,710	$ 16,541,246	$ 18,519,094	$ 927,384	$ 17,468,629
USBR	420,706	375,937	(44,769)	380,548	4,612	(40,158)
DWR	1,461,363	1,314,715	(146,648)	305,829	(1,008,886)	(1,155,534)
Member Agencies	748,798	3,507,494	2,758,696	3,511,734	4,240	2,762,936
MWDOC	49,000	49,000	0	49,000	0	0
						0
TOTAL OUTSIDE FUNDING	**$ 3,730,332**	**$ 22,838,855**	**$ 19,108,524**	**$ 22,766,204**	**$ (72,651)**	**$ 19,035,873**
Program Expenses Funded from Outside Sources						
Project Administration - Staff Time	$ 25,135	$ 22,043	$ (3,092)	$ 14,000	$ (8,043)	$ (11,135)
Consultant Administration	116,000	117,000	1,000	142,420	25,420	26,420
Monitoring and Evaluation	79,384	0	(79,384)	121,947	121,947	42,563
Installation Verification	140,383	188,845	48,463	148,592	(40,254)	8,209
Rebate Incentives	3,151,969	22,342,345	19,190,376	22,140,474	(201,872)	18,988,504
Surveys and Audits	188,500	141,712	(46,788)	185,475	43,763	(3,025)
Databasing	3,063	1,291	(1,772)	1,097	(195)	(1,966)
Customer Support	3,986	813	(3,173)	0	(813)	(3,986)
Marketing and Outreach	10,000	5,000	(5,000)	10,575	5,575	575
Engineering Assistance	11,913	19,805	7,893	1,626	(18,180)	(10,287)
TOTAL PROGRAMS EXPENSES	**$ 3,730,331**	**$ 22,838,855**	**$ 19,108,524**	**$ 22,766,204**	**$ (72,651)**	**$ 19,035,873**

Exhibit B
Expenditures by Program

Cost Center	PROGRAM	FY 2014-2015 BUDGET FTE	FY 2015-2016 BUDGET FTE	FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
11	Administrative - Board	1.94	1.78	$ 1,169,584	$ 1,010,494	$ 1,131,747
12	Administrative - General	3.04	2.92	376,942	407,426	471,461
13	Personnel / Staff Development	1.30	1.48	265,991	274,149	304,655
19	Overhead	3.33	3.64	844,239	809,160	779,267
21	Planning & Resource Development	2.72	3.71	675,164	689,781	743,370
22	Research Participation	0.00	0.00	39,961	39,961	39,740
23	Met Issues and Special Projects	4.78	4.06	827,523	787,018	751,674
31	Governmental Affairs	1.37	0.84	499,389	367,470	418,009
35	Policy Development	0.26	0.39	58,313	93,595	145,864
32	Public Affairs	2.28	3.40	357,037	351,765	629,110
41	Finance	3.73	3.23	566,654	384,795	563,041
45	Information Technology	0.99	1.06	179,417	182,142	223,827
25	MWDOC's Contribution to WEROC [1]	2.00	2.00	128,508	128,508	141,807
	CORE TOTAL	**27.74**	**28.50**	**$ 5,988,722**	**$ 5,526,265**	**$ 6,343,573**
62	Water Use Efficiency Program	4.75	6.23	785,805	822,221	899,925
63	School Programs	0.13	0.07	275,109	276,618	295,049
67	Value of Water	0.00	0.55	148,250	175,784	177,645
64	Foundational Action - Doheny Desal	0.14	0.10	37,922	60,988	136,983
65	Poseidon Desal	0.00	0.00	54,000	5,838	45,162
69	2008 Fund - Doheny Desal	0.00	0.04	94,000	62,806	31,194
68	2014 Fund - Doheny Desal	0.00	0.00	30,000	-	30,000
	CHOICE TOTAL	**5.02**	**7.00**	**$ 1,425,086**	**$ 1,404,256**	**$ 1,615,957**
	CORE & CHOICE TOTAL	**32.76**	**35.50**	**$ 7,413,808**	**$ 6,930,520**	**$ 7,959,530**
Includes:	Full-time employees	27.00	28.00			
	WEROC Full-time employee	2.00	2.00			
	Part-time employees	1.22	2.22			
	Interns	2.54	3.28			

[1] FTE accounts for WEROC, Manager Kelly Hubbard and 1 full time employee. Total cost of WEROC is allocated among MWDOC, OCWD, OCSD, Anaheim, Santa Ana, Fullerton, and South Orange County Wastewater Authority. Dollars shown are MWDOC's share only.

Exhibit C

Municipal Water District of Orange County
2015-2016 FISCAL MASTER PLAN PROJECTIONS
(in thousands)

	Projected ACTUALS FY14-15	BUDGET FY15-16	FISCAL MASTER PLAN PROJECTIONS [1] FY16-17	FY17-18	FY18-19	FY19-20	FY20-21
Beginning Designated Reserve Balance - MWDOC	$3,520	$ 4,328	$ 4,418	$ 4,109	$ 4,395	$ 4,234	$ 4,465
OPEB Contribution above the ARC	37	62	87	111	135	158	182
Adjusted Reserve Balance	3,483	4,266	4,331	3,998	4,260	4,076	4,283
Revenues							
Water Rate Revenues:							
Retail Meter Fees	6,441	**6,687**	6,854	6,990	7,125	7,225	7,342
Water Rate Increment	109	**-**	-	-	-	-	-
Subtotal	6,550	**6,687**	6,854	6,990	7,125	7,225	7,342
Other Revenues:							
Choice Revenues	1,404	**1,616**	1,656	1,698	1,740	1,784	1,828
Interest Earnings	120	**118**	125	121	149	172	201
Misc./Reimbursements	3	**3**	3	3	3	3	3
Subtotal	1,527	**1,737**	1,784	1,822	1,893	1,958	2,032
Total Revenues	8,076	**8,424**	8,638	8,812	9,017	9,183	9,374
Expenses							
Core Expenses	5,526	**6,338**	6,552	6,772	6,997	7,172	7,351
Choice Expenses	1,404	**1,616**	1,656	1,698	1,740	1,784	1,828
Capital Acquisitions (not including building)	-	**6**	20	20	20	20	20
Total Expenses w/o Building & Election	6,931	**7,960**	8,228	8,490	8,757	8,976	9,200
Revenue Over Expenses w/o Building & Election	1,146	**464**	409	322	260	207	174
ELECTION Reserve Beginning Balance	228						
Annual Election Reserve Contribution	**260**	**260**	**260**	**260**	**260**	**207**	**174**
Annual Election Expense	273	**-**	592		444		592
Election Reserve Ending Balance	215	475	143	403	219	426	9
BUILDING Reserve Beginning Balance	111						
Annual Building Reserve Contribution	**406**	**250**	**150**	**59**	**-**	**-**	**-**
Annual Building Expense	17	400	150	60	-		
Building Reserve Ending Balance	500	350	350	350	350	350	350
CASH FLOW Reserve Beginning Balance	1,000						
Annual Cash Flow Reserve Contribution	**480**	**(46)**	**(1)**	**3**	**-**	**-**	**-**
Cash Flow Reserve Ending Balance	1,480	**1,434**	1,433	1,436	1,436	1,436	1,436
Adjustments to the General Fund Reserve							
Increment Refund Due to OC-88 Meter Error	**(73)**						
Ending General Fund & Cash Flow Reserves	**$ 3,551**	**$ 3,505**	**$ 3,504**	**$ 3,507**	**$ 3,507**	**$ 3,507**	**$ 3,507**
Document does not reflect MWDOC's irrevocable trust towards OPEB liability							
MWDOC Water Rates							
Water Sales in Acre Feet	**217,957**	**184,643**	219,374	224,800	225,123	223,541	228,456
Total Retail Meters	**613,384**	**616,343**	617,440	621,355	624,960	625,510	627,510
OCWD BPP %	72%	70%	70%	70%	70%	70%	70%
Increment Rate	**$ 0.50**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
Connection Charge	**$ 10.50**	**$ 10.85**	**$ 11.10**	**$ 11.25**	**$ 11.40**	**$ 11.55**	**$ 11.70**
Fixed Charge %		100%	100%	100%	100%	100%	100%

1 Assumptions for FMP:

Inflation factor: 2.50% per year
Rate of return on Investment of portfolio: 1.25% per year

Total Core Expenses

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
6010	Salaries & Wages - Admin	2,609,584	2,418,754	2,811,451
	S & W Reimb. DSC or Recov from Grants	-	-	-
6090	Directors Compensation - MWDOC	210,342	182,258	220,588
6095	Directors Compensation - MWD	120,197	104,078	126,050
6105	Benefits - Admin	831,154	724,025	738,389
	OPEB Annual Contribution	133,331	180,456	105,188
	Overhead Reimbursement	(139,240)	(177,093)	(223,770)
6115	Benefits - Directors	119,356	70,765	60,024
6120	Health Insurance Coverage for Retirees	50,244	45,980	50,387
6205	Training	18,000	12,000	18,000
6210	Tuition Reimbursement	6,000	-	5,000
6220	Temporary Help	-	-	-
7010	Engineering - Outside Services	355,000	465,000	300,000
7020	Legal - General	329,000	295,435	355,000
7030	Audit	23,000	21,125	23,000
7040	Other Professional Fees	463,700	365,495	785,278
7047	Prof Service-Grant Recovery	-	-	-
7110	Conference - Employee	13,925	15,113	19,450
7115	Conference - Directors	8,650	10,745	9,800
7150	Travel & Accommodations - Employee	38,300	36,898	56,510
7155	Travel & Accommodations - Director	29,600	31,087	27,600
7210	Membership / Sponsorship	90,437	97,055	103,961
7250	CDR Participation	39,961	39,961	39,740
7305	Business Expense	7,000	6,589	6,800
7310	Office Maintenance	118,768	115,804	126,670
7315	Building Repair & Maintenance	10,800	10,000	11,000
7320	Rents & Leases	16,708	11,780	19,000
7330	Office Supplies	24,288	25,244	29,400
7340	Postal / Mail Delivery	11,100	10,100	11,285
7350	Subscriptions / Books	1,600	1,238	2,060
7360	Reproduction Expense	50,125	33,330	46,560
7410	Computer & Peripherals Maint	6,000	6,000	7,100
7430	Software Purchase	25,515	19,154	18,500
7440	Software Support	28,869	24,569	34,000
7450	Software Development	-	-	-
7510	Site Maintenance	-	-	-
7540	Computers and Equipment	9,300	9,000	21,150
7580	Maintenance Expense	-	-	-
7610	Automotive / Mileage	13,300	12,900	13,500
7615	Toll Road Charges	1,250	1,200	1,275
7620	Insurance Expense	97,000	95,000	96,000
7640	Utilities - Telephone	16,900	14,405	15,650
7650	Bank Fees	10,700	9,000	17,900
7670	Miscellaneous Expenses	60,450	53,307	86,270
8410	Overhead Reimbursement	-	-	-
8610	Depreciation Expense	-	-	-
8810	Capital Acquisition	-	-	6,000
	Total Expenditure	5,860,214	5,397,757	6,201,766
	MWDOC's Contribution to WEROC	128,508	128,508	141,807
	MWDOC's Election Expense	444,000	272,537	-
	MWDOC's Building Expense	168,000	17,000	400,000
		6,600,722	5,815,802	6,743,573

Total Choice Revenue and Expense

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
	Choice Revenue	1,261,086	1,447,836	1,302,618
4205	School Contracts	70,000	70,000	70,000
4705	Prior Year Carry Over	94,000	94,000	243,290
		-	-	-
	Choice billing over/under	-	(207,580)	49
		-	-	-
		-	-	-
		-	-	-
		-	-	-
	Total Revenue	1,425,086	1,404,256	1,615,957

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
6010	Salaries & Wages - Admin	386,271	431,039	498,498
	S & W Reimb. DSC or Recov from Grants	(16,437)	(20,080)	(23,500)
6090	Directors Compensation - MWDOC	-	-	-
6095	Directors Compensation - MWD	-	-	-
6105	Benefits - Admin	130,762	124,204	124,680
	Overhead Reimbursement	139,240	177,093	223,770
6115	Benefits - Directors	-	-	-
6120	Health Insurance Coverage for Retirees	-	-	-
6205	Training	-	-	-
6210	Tuition Reimbursement	-	-	-
6220	Temporary Help	-	-	-
7010	Engineering - Outside Services	-	-	-
7020	Legal - General	-	-	-
7030	Audit	-	-	-
7040	Other Professional Fees	461,500	408,000	499,159
	Other Professional Fees - DSC	234,000	234,000	257,400
7110	Conference - Employee	-	-	-
7115	Conference - Directors	-	-	-
7150	Travel & Accommodations - Employee	-	-	-
7155	Travel & Accommodations - Director	-	-	-
7210	Membership / Sponsorship	-	-	-
7220	CUWA Participation	-	-	-
7240	AWWARF Participation	-	-	-
7250	CDR Participation	-	-	-
7310	Office Maintenance	-	-	-
7320	Rents & Leases	-	-	-
7330	Office Supplies	-	-	-
7340	Postal / Mail Delivery	-	-	-
7350	Subscriptions / Books	-	-	-
7360	Reproduction Expense	40,500	30,000	23,450
7410	Computer & Peripherals Maint	-	-	-
7430	Software Purchase	-	-	-
7440	Software Support	-	-	-
7450	Software Development	-	-	-
7510	Site Maintenance	-	-	-
7540	Computers and Equipment	-	-	-
7580	Maintenance Expense	-	-	-
7610	Automotive / Mileage	-	-	-
7615	Toll Road Charges	-	-	-
7620	Insurance Expense	-	-	-
7640	Utilities - Telephone	-	-	-
7650	Bank Fees	-	-	-
7670	Miscellaneous Expenses	49,250	20,000	12,500
8410	Overhead Reimbursement	-	-	-
8610	Depreciation Expense	-	-	-
8710	Election Expenses	-	-	-
8810	Capital Acquisition	-	-	-
	Total Expenditure	1,425,086	1,404,256	1,615,957

Total Core and Choice Expenses

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
6010	Salaries & Wages - Admin	2,995,855	2,849,793	3,309,949
	S & W Reimb. DSC or Recov from Grants	(16,437)	(20,080)	(23,500)
6090	Directors Compensation - MWDOC	210,342	182,258	220,588
6095	Directors Compensation - MWD	120,197	104,078	126,050
6105	Benefits - Admin	961,916	848,229	863,069
	OPEB Annual Contribution	133,331	180,456	105,188
	Overhead Reimbursement	-	-	-
6115	Benefits - Directors	119,356	70,765	60,024
6120	Health Insurance Coverage for Retirees	50,244	45,980	50,387
6205	Training	18,000	12,000	18,000
6210	Tuition Reimbursement	6,000	-	5,000
6220	Temporary Help	-	-	-
7010	Engineering - Outside Services	355,000	465,000	300,000
7020	Legal - General	329,000	295,435	355,000
7030	Audit	23,000	21,125	23,000
7040	Other Professional Fees	925,200	773,495	1,284,437
	Other Professional Fees - DSC	234,000	234,000	257,400
7047	Prof Service-Grant Recovery	-	-	-
7110	Conference - Employee	13,925	15,113	19,450
7115	Conference - Directors	8,650	10,745	9,800
7150	Travel & Accommodations - Employee	38,300	36,898	56,510
7155	Travel & Accommodations - Director	29,600	31,087	27,600
7210	Membership / Sponsorship	90,437	97,055	103,961
7250	CDR Participation	39,961	39,961	39,740
7305	Business Expense	7,000	6,589	6,800
7310	Office Maintenance	118,768	115,804	126,670
7315	Building Repair & Maintenance	10,800	10,000	11,000
7320	Rents & Leases	16,708	11,780	19,000
7330	Office Supplies	24,288	25,244	29,400
7340	Postal / Mail Delivery	11,100	10,100	11,285
7350	Subscriptions / Books	1,600	1,238	2,060
7360	Reproduction Expense	90,625	63,330	70,010
7410	Computer & Peripherals Maint	6,000	6,000	7,100
7430	Software Purchase	25,515	19,154	18,500
7440	Software Support	28,869	24,569	34,000
7450	Software Development	-	-	-
7510	Site Maintenance	-	-	-
7540	Computers and Equipment	9,300	9,000	21,150
7580	Maintenance Expense	-	-	-
7610	Automotive / Mileage	13,300	12,900	13,500
7615	Toll Road Charges	1,250	1,200	1,275
7620	Insurance Expense	97,000	95,000	96,000
7640	Utilities - Telephone	16,900	14,405	15,650
7650	Bank Fees	10,700	9,000	17,900
7670	Miscellaneous Expenses	109,700	73,307	98,770
8410	Overhead Reimbursement	-	-	-
8610	Depreciation Expense	-	-	-
8810	Capital Acquisition	-	-	6,000
	Total Expenditure	7,285,300	6,802,012	7,817,723
	MWDOC's Contribution to WEROC	128,508	128,508	141,807
	MWDOC's Election Expense	444,000	272,537	-
	MWDOC's Building Expense	168,000	17,000	400,000
		8,025,808	7,220,057	8,359,530

Administrative - Board
11

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET	
6010	Salaries & Wages - Admin	242,249	238,288	259,175	
6090	Directors Compensation - MWDOC	210,342	182,258	220,588	1
6095	Directors Compensation - MWD	120,197	104,078	126,050	2
6105	Benefits - Admin	73,905	62,607	62,720	
6115	Benefits - Directors	119,356	70,765	60,024	
6120	Health Insurance Coverage for Retirees				
6205	Training				
6210	Tuition Reimbursement				
6220	Temporary Help				
7010	Engineering - Outside Services				
7020	Legal - General	320,000	268,035	320,000	3, 4
7030	Audit				
7040	Other Professional Fees				
7110	Conference - Employee				
7115	Conference - Directors	8,650	10,745	9,800	5
7150	Travel & Accommodations - Employee				
7155	Travel & Accommodations - Director	29,600	31,087	27,600	5
7210	Membership / Sponsorship	25,000	23,181	25,040	6
7250	CDR Participation				
7310	Office Maintenance				
7320	Rents & Leases				
7330	Office Supplies				
7340	Postal / Mail Delivery	4,600	4,000	4,500	
7350	Subscriptions / Books				
7360	Reproduction Expense				
7410	Computer & Peripherals Maint				
7430	Software Purchase				
7440	Software Support				
7450	Software Development				
7510	Site Maintenance				
7540	Computers and Equipment				
7580	Maintenance Expense				
7610	Automotive / Mileage	9,500	8,900	9,300	
7615	Toll Road Charges	700	650	700	
7620	Insurance Expense				
7640	Utilities - Telephone	985	1,100	1,150	
7650	Bank Fees				
7670	Miscellaneous Expenses	4,500	4,800	5,100	7
8410	Overhead Reimbursement				
8610	Depreciation Expense				
8810	Capital Acquisition				
	Total Expenditure	1,169,584	1,010,494	1,131,747	
	MWDOC's Election Expense	444,000	272,537		
		1,613,584	1,283,031	1,131,747	

1&2 Based on 5% increase from Jan to June 2015.

3 Best, Best & Krieger $ 250,000
Aleshire & Wynder $ 18,035
$ 268,035

4 Best, Best & Krieger $ 305,000
Aleshire & Wynder $ 15,000
$ 320,000

5 See Exhibit F.

6 LAFCO Annual Assessment
See Exhibit D.

7 Misc board expenses (supplies)

Administrative - General
12

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET	
6010	Salaries & Wages - Admin	204,597	221,704	260,773	
6090	Directors Compensation - MWDOC				
6095	Directors Compensation - MWD				
6105	Benefits - Admin	54,593	60,119	56,852	
6115	Benefits - Directors				
6120	Health Insurance Coverage for Retirees				
6205	Training				
6210	Tuition Reimbursement				
6220	Temporary Help				
7010	Engineering - Outside Services				
7020	Legal - General				
7030	Audit				
7040	Other Professional Fees				
7110	Conference - Employee	13,925	15,113	19,450	1
7115	Conference - Directors				
7150	Travel & Accommodations - Employee	38,300	36,898	56,510	1
7155	Travel & Accommodations - Director				
7210	Membership / Sponsorship	51,377	59,814	62,791	2
7250	CDR Participation				
7305	Business Expense	7,000	6,589	6,800	
7310	Office Maintenance				
7320	Rents & Leases				
7330	Office Supplies				
7340	Postal / Mail Delivery				
7350	Subscriptions / Books	1,600	1,238	2,060	
7360	Reproduction Expense				
7410	Computer & Peripherals Maint				
7430	Software Purchase				
7440	Software Support				
7450	Software Development				
7510	Site Maintenance				
7540	Computers and Equipment				
7580	Maintenance Expense				
7610	Automotive / Mileage	3,800	4,000	4,200	
7615	Toll Road Charges	550	550	575	
7620	Insurance Expense				
7640	Utilities - Telephone				
7650	Bank Fees				
7670	Miscellaneous Expenses	1,200	1,400	1,450	
8410	Overhead Reimbursement				
8610	Depreciation Expense				
8710	Election Expenses				
8810	Capital Acquisition				
	Total Expenditure	376,942	407,426	471,461	

1 See Exhibit E.

2 See Exhibit D.

Personnel / Staff Development
13

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET	
6010	Salaries & Wages - Admin	144,067	138,205	163,771	
6090	Directors Compensation - MWDOC				
6095	Directors Compensation - MWD				
6105	Benefits - Admin	45,924	45,545	46,134	
6115	Benefits - Directors				
6120	Health Insurance Coverage for Retirees				
6205	Training	18,000	12,000	18,000	1
6210	Tuition Reimbursement	6,000	-	5,000	
6220	Temporary Help				
7010	Engineering - Outside Services				
7020	Legal - General	9,000	27,400	35,000	2
7030	Audit				
7040	Other Professional Fees	35,000	37,000	25,000	3
7110	Conference - Employee				
7115	Conference - Directors				
7150	Travel & Accommodations - Employee				
7155	Travel & Accommodations - Director				
7210	Membership / Sponsorship				
7250	CDR Participation				
7310	Office Maintenance				
7320	Rents & Leases				
7330	Office Supplies				
7340	Postal / Mail Delivery				
7350	Subscriptions / Books				
7360	Reproduction Expense				
7410	Computer & Peripherals Maint				
7430	Software Purchase				
7440	Software Support				
7450	Software Development				
7510	Site Maintenance				
7540	Computers and Equipment				
7580	Maintenance Expense				
7610	Automotive / Mileage				
7615	Toll Road Charges				
7620	Insurance Expense				
7640	Utilities - Telephone				
7650	Bank Fees				
7670	Miscellaneous Expenses	8,000	14,000	11,750	4
8410	Overhead Reimbursement				
8610	Depreciation Expense				
8710	Election Expenses				
8810	Capital Acquisition				
	Total Expenditure	265,991	274,149	304,655	

1 • Staff Technical Training & Leadership Development Training

2 Best, Best & Krieger $ 35,000

3 • Semi-annual Review of Defered Comp and pension investment composition. $ 25,000

4
• Employee Recognition program	$ 2,500
• Applicant Background Checks	$ 2,400
• Team Building, Lunch meetings	$ 1,500
• Holiday Lunch	$ 2,000
• OCWD Health Fair	$ 300
• Employee Flu Shots	$ 550
• Job Adds Recruting	2,500
	$ 11,750

Overhead
19

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET	
6010	Salaries & Wages - Admin	359,881	358,327	404,418	
6090	Directors Compensation - MWDOC				
6095	Directors Compensation - MWD				
6105	Benefits - Admin	115,544	95,357	105,189	
6109	OPEB Annual Contribution	133,331	180,456	105,188	
6111	Overhead Reimbursement from Choice	(139,240)	(177,093)	(223,770)	
6115	Benefits - Directors				
6120	Health Insurance Coverage for Retirees	50,244	45,980	50,387	1
6205	Training				
6210	Tuition Reimbursement				
6220	Temporary Help				
7010	Engineering - Outside Services				
7020	Legal - General				
7030	Audit				
7040	Other Professional Fees	10,100	10,000	5,800	2
7110	Conference - Employee				
7115	Conference - Directors				
7150	Travel & Accommodations - Employee				
7250	CDR Participation				
7310	Office Maintenance	118,768	115,804	126,670	3
7315	Building Repair & Maintenance	10,800	10,000	11,000	
7320	Rents & Leases	16,708	11,780	19,000	4
7330	Office Supplies	24,288	25,244	29,400	
7340	Postal / Mail Delivery	6,000	6,100	6,785	
7350	Subscriptions / Books				
7360	Reproduction Expense	5,400	2,000	2,400	
7410	Computer & Peripherals Maint				
7430	Software Purchase				
7440	Software Support	2,300	-		
7450	Software Development				
7510	Site Maintenance				
7540	Computers and Equipment				
7580	Maintenance Expense				
7610	Automotive / Mileage				
7615	Toll Road Charges				
7620	Insurance Expense	97,000	95,000	96,000	
7640	Utilities - Telephone	15,915	13,305	14,500	
7650	Bank Fees	10,700	9,000	17,900	5
7670	Miscellaneous Expenses	6,500	7,900	8,400	5
8410	Overhead Reimbursement				
8610	Depreciation Expense				
8710	Election Expenses				6
8810	Capital Acquisition				
	Total Expenditure	844,239	809,160	779,267	
	MWDOC's Building Expense	168,000	17,000	400,000	6
		1,012,239	826,160	1,179,267	

1 Retirees:
- 9 Reitrees

2
- Pension Plan administration by Dissinger Associates $ 4,000
- Cafeteria Plan Wageworks $ 1,800

5,800

3
- Site maintenance and receptionist from OCWD $ 112,000
- Plant Maintenance $ 2,820
- Copier machine maint. $ 4,200
- Landscape Atrium Maint $ 3,600
- Binding Machine Renewal $ 650
- Phone Maintenance $ 3,400

$ 126,670

4
- Iron Mountain $ 9,600
- Copier machine lease $ 8,400
- El Toro Water District (South EOC site) $ 1,000

$ 19,000

5
- Misc equipment repairs, fees etc.

6
- Chillers, Boilers, new EMS, Board Room MWDOC @ 36%

Planning Resource Development
21

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
6010	Salaries & Wages - Admin	395,062	390,610	481,564
6012	Salaries & Wages - Reimb. from Grants	-		-
6090	Directors Compensation - MWDOC			
6095	Directors Compensation - MWD			
6105	Benefits - Admin	133,102	110,218	114,806
6115	Benefits - Directors			
6120	Health Insurance Coverage for Retirees			
6205	Training			
6210	Tuition Reimbursement			
6220	Temporary Help			
7010	Engineering - Outside Services	140,000	185,000 [2]	140,000 [1]
7020	Legal - General			
7030	Audit			
7040	Other Professional Fees			
7110	Conference - Employee			
7115	Conference - Directors			
7150	Travel & Accommodations - Employee			
7155	Travel & Accommodations - Director			
7210	Membership / Sponsorship			
7250	CDR Participation			
7310	Office Maintenance			
7320	Rents & Leases			
7330	Office Supplies			
7340	Postal / Mail Delivery			
7350	Subscriptions / Books			
7360	Reproduction Expense			
7410	Computer & Peripherals Maint			
7430	Software Purchase			
7440	Software Support			
7450	Software Development			
7510	Site Maintenance			
7540	Computers and Equipment			
7580	Maintenance Expense			
7610	Automotive / Mileage			
7615	Toll Road Charges			
7620	Insurance Expense			
7640	Utilities - Telephone			
7650	Bank Fees			
7670	Miscellaneous Expenses	7,000	3,952	7,000
8410	Overhead Reimbursement			
8610	Depreciation Expense			
8710	Election Expenses			
8810	Capital Acquisition			
	Total Expenditure	675,164	689,781	743,370

1 Includes general consulting, reliability of MET, conjunctive use, climate change and value of being reliable.

2 Over budget portion funded via the use of carry over funds from FY13-14.

Research Participation
22

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET	
6010	Salaries & Wages - Admin				
6090	Directors Compensation - MWDOC				
6095	Directors Compensation - MWD				
6105	Benefits - Admin				
6115	Benefits - Directors				
6120	Health Insurance Coverage for Retirees				
6205	Training				
6210	Tuition Reimbursement				
6220	Temporary Help				
7010	Engineering - Outside Services				
7020	Legal - General				
7030	Audit				
7040	Other Professional Fees				
7110	Conference - Employee				
7115	Conference - Directors				
7150	Travel & Accommodations - Employee				
7155	Travel & Accommodations - Director				
7210	Membership / Sponsorship				
7250	CDR Participation	39,961	39,961	39,740	1
7310	Office Maintenance				
7320	Rents & Leases				
7330	Office Supplies				
7340	Postal / Mail Delivery				
7350	Subscriptions / Books				
7360	Reproduction Expense				
7410	Computer & Peripherals Maint				
7430	Software Purchase				
7440	Software Support				
7450	Software Development				
7510	Site Maintenance				
7540	Computers and Equipment				
7580	Maintenance Expense				
7610	Automotive / Mileage				
7615	Toll Road Charges				
7620	Insurance Expense				
7640	Utilities - Telephone				
7650	Bank Fees				
7670	Miscellaneous Expenses				
8410	Overhead Reimbursement				
8610	Depreciation Expense				
8710	Election Expenses				
8810	Capital Acquisition				
	Total Expenditure	39,961	39,961	39,740	

1 Center for Demographic Research at Cal State University Fullerton $ 39,740

Met Issues and Special Projects
23

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
6010	Salaries & Wages - Admin	462,691	388,762	466,513
6090	Directors Compensation - MWDOC			
6095	Directors Compensation - MWD			
6105	Benefits - Admin	149,832	118,256	125,162
6115	Benefits - Directors			
6120	Health Insurance Coverage for Retirees			
6205	Training			
6210	Tuition Reimbursement			
6220	Temporary Help			
7010	Engineering - Outside Services	215,000	280,000 [1]	160,000 [2]
7020	Legal - General			
7030	Audit			
7040	Other Professional Fees			
7045	Other Professional Fees - MET			
7110	Conference - Employee			
7115	Conference - Directors			
7150	Travel & Accommodations - Employee			
7155	Travel & Accommodations - Director			
7210	Membership / Sponsorship			
7250	CDR Participation			
7310	Office Maintenance			
7320	Rents & Leases			
7330	Office Supplies			
7340	Postal / Mail Delivery			
7350	Subscriptions / Books			
7360	Reproduction Expense	-	-	-
7410	Computer & Peripherals Maint			
7430	Software Purchase			
7440	Software Support			
7450	Software Development			
7510	Site Maintenance			
7540	Computers and Equipment			
7580	Maintenance Expense			
7610	Automotive / Mileage			
7615	Toll Road Charges			
7620	Insurance Expense			
7640	Utilities - Telephone			
7650	Bank Fees			
7670	Miscellaneous Expenses			
8410	Overhead Reimbursement			
8610	Depreciation Expense			
8710	Election Expenses			
8810	Capital Acquisition			
	Total Expenditure	827,523	787,018	751,674

1 Includes funding for local project decision-making, MET advocacy, MET workgroup and UWMP.

2 Over budget portion funded via the use of carry over funds from FY13-14.

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
6010	Salaries & Wages - Admin	156,272	83,145	86,110
6090	Directors Compensation - MWDOC			
6095	Directors Compensation - MWD			
6105	Benefits - Admin	46,317	26,825	29,159
6115	Benefits - Directors			
6120	Health Insurance Coverage for Retirees			
6205	Training			
6210	Tuition Reimbursement			
6220	Temporary Help			
7010	Engineering - Outside Services			
7020	Legal - General			
7030	Audit			
7040	Other Professional Fees	280,000	247,000 [1]	279,000 [2]
7110	Conference - Employee			
7115	Conference - Directors			
7150	Travel & Accommodations - Employee			
7155	Travel & Accommodations - Director			
7210	Membership / Sponsorship			
7220	CUWA Participation			
7240	AWWARF Participation			
7250	CDR Participation			
7310	Office Maintenance			
7320	Rents & Leases			
7330	Office Supplies			
7340	Postal / Mail Delivery			
7350	Subscriptions / Books			
7360	Reproduction Expense	-		420
7410	Computer & Peripherals Maint			
7430	Software Purchase			
7440	Software Support			
7450	Software Development			
7510	Site Maintenance			
7540	Computers and Equipment			
7580	Maintenance Expense			
7610	Automotive / Mileage			
7615	Toll Road Charges			
7620	Insurance Expense			
7640	Utilities - Telephone			
7650	Bank Fees			
7670	Miscellaneous Expenses	16,800	10,500	23,320 [3]
8410	Overhead Reimbursement			
8610	Depreciation Expense			
8710	Election Expenses			
8810	Capital Acquisition			
	Total Expenditure	499,389	367,470	418,009

1
- Townsend $ 90,000
- Barker $ 96,000
- Travel/Miscellaneous $ 2,000
- Lewis Consulting $ 34,000
- Ackerman $ 25,000

$ 247,000

2
- Townsend $ 96,000
- Barker $ 96,000
- Travel/Miscellaneous $ 3,000
- Lewis Consulting $ 48,000
- Ackerman $ 36,000

$ 279,000

3
- State & Federal Legislative Tracking $ 3,500
- Legislative Outreach & Briefings $ 7,000
- Legislative Staff Trip Travel Costs $ 10,000
- WACO $ 2,820

$ 23,320

Public Affairs
32

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET	
6010	Salaries & Wages - Admin	167,213	196,814	268,678	
	Salaries & Wages - Reimb. from Grants				
6090	Directors Compensation - MWDOC				
6095	Directors Compensation - MWD				
6105	Benefits - Admin	51,234	60,972	70,965	
6115	Benefits - Directors				
6120	Health Insurance Coverage for Retirees				
6205	Training				
6210	Tuition Reimbursement				
6220	Temporary Help				
7010	Engineering - Outside Services				
7020	Legal - General				
7030	Audit				
7040	Other Professional Fees	65,600	43,995	220,478	1
7047	Prof Service-Grant Recovery				
7110	Conference - Employee				
7115	Conference - Directors				
7150	Travel & Accommodations - Employee				
7155	Travel & Accommodations - Director				
7210	Membership / Sponsorship				
7250	CDR Participation				
7310	Office Maintenance				
7320	Rents & Leases				
7330	Office Supplies				
7340	Postal / Mail Delivery	500	-	-	
7350	Subscriptions / Books				
7360	Reproduction Expense	44,725	31,330	43,740	2
7410	Computer & Peripherals Maint				
7430	Software Purchase	15,515	10,154	-	
7440	Software Support				
7450	Software Development				
7510	Site Maintenance				
7540	Computers and Equipment				
7580	Maintenance Expense				
7610	Automotive / Mileage				
7615	Toll Road Charges				
7620	Insurance Expense				
7640	Utilities - Telephone				
7650	Bank Fees				
7670	Miscellaneous Expenses	12,250	8,500	25,250	3
8410	Overhead Reimbursement				
8610	Depreciation Expense				
8710	Election Expenses				
8810	Capital Acquisition				
	Total Expenditure	357,037	351,765	629,110	

1 Public Affairs Activities:

• PA Consultant 1	$ 40,000
• PA Consultant 2	$ 28,800
• Resolutions	$ 5,000
• Member Agency Workshops PAW	$ 10,000
• Consumer Confidence Reports	$ 34,178
• Website Hosting & Maintenance	$ 10,000
• Event Registration Fees	$ 2,500
• PAW meeting materials	$ 2,500
• New Website	25,000
Subtotal	157,978

Communcations Plan Activities:

• Outreach	$ 7,500
• Marketing Materials	$ 15,000
• Survey - Phone	$ 20,000
• IPSO Survey	$ 20,000
Subtotal	$ 62,500
	$220,478

2

• Briefing Papers	$ 2,500
• Name Badges	$ 1,500
• Attire & Promo items	$ 1,500
• Folders 1000@$4.25	$ 4,250
• Thumb Drives 1000@10.24	$ 10,240
• Brochures 1500 @ 2.50	$ 3,750
• Awards and Events	$ 7,500
• Promotional Items	$ 12,500
	$ 43,740

3

• Ricki Maint and Repair	$ 2,750
• Children's Water Festival Sponsorship	$ 3,500
• Industry Events	$ 5,000
• Event Display Materials	$ 2,500
• Speaker Recognition	$ 1,500
• OC Water Hero	$ 10,000
	$ 25,250

Water Use Efficiency
Policy Development (Core)
35

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
6010	Salaries & Wages - Admin	34,719	55,021	50,567
6010	Salaries & Wages - Recovery from Grants			
6090	Directors Compensation - MWDOC			
6095	Directors Compensation - MWD			
6105	Benefits - Admin	9,534	24,514	14,168
6115	Benefits - Directors			
6120	Health Insurance Coverage for Retirees			
6205	Training			
6210	Tuition Reimbursement			
6220	Temporary Help			
7010	Engineering - Outside Services			
7020	Legal - General			
7030	Audit			
7040	Other Professional Fees			65,000 [1]
7110	Conference - Employee			
7115	Conference - Directors			
7150	Travel & Accommodations - Employee			
7155	Travel & Accommodations - Director			
7210	Membership / Sponsorship	14,060	14,060	16,130 [2]
7250	CDR Participation			
7310	Office Maintenance			
7320	Rents & Leases			
7330	Office Supplies			
7340	Postal / Mail Delivery			
7350	Subscriptions / Books			
7360	Reproduction Expense			
7410	Computer & Peripherals Maint			
7430	Software Purchase			
7440	Software Support			
7450	Software Development			
7510	Site Maintenance			
7540	Computers and Equipment			
7580	Maintenance Expense			
7610	Automotive / Mileage			
7615	Toll Road Charges			
7620	Insurance Expense			
7640	Utilities - Telephone			
7650	Bank Fees			
7670	Miscellaneous Expenses			
8410	Overhead Reimbursement			
8610	Depreciation Expense			
8710	Election Expenses			
8810	Capital Acquisition			
	Total Expenditure	58,313	93,595	145,864

1
- Project Audit $ 5,000
- Water Savings Potential Study $ 60,000

$ 65,000

2
- CUWCC Dues $ 8,005
- South O.C. Watershed Mngmt Area Dues 6,625
- OC CLCA 1,500

$ 16,130

General Finance
41

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
6010	Salaries & Wages - Admin	352,263	253,302	270,180
6090	Directors Compensation - MWDOC			
6095	Directors Compensation - MWD			
6105	Benefits - Admin	115,391	82,213	78,860
6115	Benefits - Directors			
6120	Health Insurance Coverage for Retirees			
6205	Training			
6210	Tuition Reimbursement			
6220	Temporary Help			
7010	Engineering - Outside Services			
7020	Legal - General			
7030	Audit	23,000	21,125	23,000
7040	Other Professional Fees	73,000	27,500	190,000 [1]
7110	Conference - Employee			
7115	Conference - Directors			
7150	Travel & Accommodations - Employee			
7155	Travel & Accommodations - Director			
7210	Membership / Sponsorship			
7250	CDR Participation			
7310	Office Maintenance			
7320	Rents & Leases			
7330	Office Supplies			
7340	Postal / Mail Delivery			
7350	Subscriptions / Books			
7360	Reproduction Expense			
7410	Computer & Peripherals Maint			
7430	Software Purchase			
7440	Software Support	2,000	-	-
7450	Software Development			
7510	Site Maintenance			
7540	Computers and Equipment			
7580	Maintenance Expense			
7610	Automotive / Mileage			
7615	Toll Road Charges			
7620	Insurance Expense			
7640	Utilities - Telephone			
7650	Bank Fees			
7670	Miscellaneous Expenses	1,000	655	1,000
8410	Overhead Reimbursement			
8610	Depreciation Expense			
8710	Election Expenses			
8810	Capital Acquisition			
	Total Expenditure	566,654	384,795	563,041

1
- Custodial Bank fees $ 3,000
- Financial Consulting $ 112,000
- Rate Study $ 75,000

$ 190,000

Information Technology
45

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET	
6010	Salaries & Wages - Admin	90,570	94,575	99,703	
6090	Directors Compensation - MWDOC				
6095	Directors Compensation - MWD				
6105	Benefits - Admin	35,778	37,399	34,374	
6115	Benefits - Directors				
6120	Health Insurance Coverage for Retirees				
6205	Training				
6210	Tuition Reimbursement				
6220	Temporary Help				
7010	Engineering - Outside Services				
7020	Legal - General				
7030	Audit				
7040	Other Professional Fees				
7110	Conference - Employee				
7115	Conference - Directors				
7150	Travel & Accommodations - Employee				
7155	Travel & Accommodations - Director				
7210	Membership / Sponsorship				
7250	CDR Participation				
7310	Office Maintenance				
7320	Rents & Leases				
7330	Office Supplies				
7340	Postal / Mail Delivery				
7350	Subscriptions / Books				
7360	Reproduction Expense				
7410	Computer & Peripherals Maint	6,000	6,000	7,100	1
7430	Software Purchase	10,000	9,000	18,500	2
7440	Software Support	24,569	24,569	34,000	3
7450	Software Development				
7510	Site Maintenance				
7540	Computers and Equipment	9,300	9,000	21,150	4
7580	Maintenance Expense				
7610	Automotive / Mileage				
7615	Toll Road Charges				
7620	Insurance Expense				
7640	Utilities - Telephone				
7650	Bank Fees				
7670	Miscellaneous Expenses	3,200	1,600	3,000	5
8410	Overhead Reimbursement				
8610	Depreciation Expense				
8710	Election Expenses				
8810	Capital Acquisition			6,000	6
	Total Expenditure	179,417	182,142	223,827	

1 • Misc repairs, maint & components

2 • Misc software upgrades and License

3 • Investment software usage cost $ 2,340
• Financial Management System $ 22,286
• Cisco Smartnet support $ 790
• Misc NAV development $ 2,000
• Jet Reports support $ 1,277
• B;ythco ABRA $ 750
• ECS Laserfiche $ 3,557
• Anti-Malware Protection $ 1,000
$ 34,000

4 • 2 Laptop computers $ 2,000
• 13 desktop computers $ 10,400
• 13 Monitors $ 2,600
• Miscellaneous hardware $ 6,150
$ 21,150

5 • Misc supplies $ 1,800
• MWDOC Website $ 1,200

6 • HP Z5400 Plotter $ 6,000

Water Use Efficiency
(choice)
62

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
4215	Choice Revenue	785,805	785,805	899,925
4705	Prior Year Carry over			
	Choice billing over/under		36,416	
	Total Revenue	785,805	822,221	899,925

Choice billing over/under reflects revenue overage or shortfall to be reconciled with participating member agencies. Final charges will be revised by August 2015 to reflect the new budget year charges plus/minus prior year over/under.

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
6010	Salaries & Wages - Admin	354,469	392,761	432,740
6012	Salaries & Wages - Recovery from Grants	(16,437)	(20,080)	(23,500) [1]
6090	Directors Compensation - MWDOC			
6095	Directors Compensation - MWD			
6105	Benefits - Admin	120,651	115,580	113,126
	Overhead Reimbursement	127,122	158,960	189,359
6115	Benefits - Directors			
6120	Health Insurance Coverage for Retirees			
6205	Training			
6210	Tuition Reimbursement			
6220	Temporary Help			
7010	Engineering - Outside Services			
7020	Legal - General			
7030	Audit			
7040	Other Professional Fees	195,000	170,000	183,200 [2]
7110	Conference - Employee			
7115	Conference - Directors			
7150	Travel & Accomodations - Employee			
7155	Travel & Accomodations - Director			
7210	Membership / Sponsorship			
7220	CUWA Participation			
7240	AAWARF Participation			
7250	CDR Participation			
7310	Office Maintenance			
7320	Rents & Leases	-		-
7330	Office Supplies			
7340	Postal / Mail Delivery			
7350	Subscriptions / Books			
7360	Reproduction Expense			
7410	Computer & Peripherals Maint			
7430	Software Purchase			
7440	Software Support			
7450	Software Devlopment			
7510	Site Maintenance			
7540	Computers and Equipment			
7580	Maintenance Expense			
7610	Automotive / Mileage			
7615	Toll Road Charges			
7620	Insurance Expense			
7640	Utilities - Telephone			
7650	Bank Fees			
7670	Miscellaneous Expenses	5,000	5,000	5,000
8410	Overhead Reimbursement			
8610	Depreciation Expense			
8710	Election Expenses			
8810	Capital Acquisition			
	Total Expenditure	785,805	822,221	899,925

1 Recovery from WUE Grants for some Salaries and Benefits:

• CII Performance Based - North County	$ 8,500
• Comprehensive Landscape Water Use	$ 15,000
	$ 23,500

2

• Marketing of WUE programs	$ 60,000
• Water Smart Landscape	$ 50,000
• California Sprinkler Adjustment Program	$ 1,200
• Web Based Rebate Processing Platform	$ 72,000
	$ 183,200

School Program
(choice)
63

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
4215	Choice Revenue	205,109	205,109	225,049
4205	School Contracts	70,000	70,000	70,000
4705	Prior Year Carry over			
	Choice billing over/under		1,509	
	Total Revenue	275,109	276,618	295,049

Choice billing over/under reflects revenue overage or shortfall to be reconciled with participating member agencies. Final charges will be revised by August 2015 to reflect the new budget year charges plus/minus prior year over/under.

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET	
6010	Salaries & Wages - Admin	9,482	10,370	6,415	
6010	Sal & Wages - Reimb. from DSC & Grants		-		
6090	Directors Compensation - MWDOC				
6095	Directors Compensation - MWD				
6105	Benefits - Admin	2,989	3,192	1,652	
	Overhead Reimbursement	3,638	4,056	2,832	
6115	Benefits - Directors				
6120	Health Insurance Coverage for Retirees				
6205	Training				
6210	Tuition Reimbursement				
6220	Temporary Help				
7010	Engineering - Outside Services				
7020	Legal - General				
7030	Audit				
7040	Other Professional Fees				
7040	Other Professional Fees - DSC	234,000	234,000	257,400	1
7110	Conference - Employee				
7115	Conference - Directors				
7150	Travel & Accommodations - Employee				
7155	Travel & Accommodations - Director				
7210	Membership / Sponsorship				
7220	CUWA Participation				
7240	AWWARF Participation				
7250	CDR Participation				
7310	Office Maintenance				
7320	Rents & Leases				
7330	Office Supplies				
7340	Postal / Mail Delivery				
7350	Subscriptions / Books				
7360	Reproduction Expense	17,500	17,500	19,250	2
7410	Computer & Peripherals Maint				
7430	Software Purchase				
7440	Software Support				
7450	Software Development				
7510	Site Maintenance				
7540	Computers and Equipment				
7580	Maintenance Expense				
7610	Automotive / Mileage				
7615	Toll Road Charges				
7620	Insurance Expense				
7640	Utilities - Telephone				
7650	Bank Fees				
7670	Miscellaneous Expenses	7,500	7,500	7,500	3
8410	Overhead Reimbursement				
8610	Depreciation Expense				
8710	Election Expenses				
8810	Capital Acquisition				
	Total Expenditure	275,109	276,618	295,049	

1 • Assemblies; FY15-16 Goal is 75,000 students

2 • School books and other printings

3 • Demonstration supplies including new Ricki Pencils and Stickers for education presentation

Foundational Action - Doheny Desal
(choice)
64

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
4215	Choice Revenue	37,922	197,922	-
4705	Prior Year Carry over			136,934
	Choice billing over/under		(136,934)	49
	Total Revenue	37,922	60,988	136,983

Choice billing over/under reflects revenue overage or shortfall to be reconciled with participating member agencies. Final charges will be revised by August 2015 to reflect the new budget year charges plus/minus prior year over/under.

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
6010	Salaries & Wages - Admin	22,320	8,822	17,059
	Salaries & Wages - Reimb. from Grants			
6090	Directors Compensation - MWDOC			
6095	Directors Compensation - MWD			
6105	Benefits - Admin	7,122	2,052	3,393
	Overhead Reimbursement	8,480	4,114	8,531
6115	Benefits - Directors			
6120	Health Insurance Coverage for Retirees			
6205	Training			
6210	Tuition Reimbursement			
6220	Temporary Help			
7010	Engineering - Outside Services			
7020	Legal - General			
7030	Audit			
7040	Other Professional Fees		46,000	108,000
7110	Conference - Employee			
7115	Conference - Directors			
7150	Travel & Accomodations - Employee			
7155	Travel & Accomodations - Director			
7210	Membership / Sponsorship			
7220	CUWA Participation			
7240	AAWARF Participation			
7250	CDR Participation			
7310	Office Maintenance			
7320	Rents & Leases			
7330	Office Supplies			
7340	Postal / Mail Delivery			
7350	Subscriptions / Books			
7360	Reproduction Expense			
7410	Computer & Peripherals Maint			
7430	Software Purchase			
7440	Software Support			
7450	Software Devlopment			
7510	Site Maintenance			
7540	Computers and Equipment			
7580	Maintenance Expense			
7610	Automotive / Mileage			
7615	Toll Road Charges			
7620	Insurance Expense			
7640	Utilities - Telephone			
7650	Bank Fees			
7670	Miscellaneous Expenses			
8410	Overhead Reimbursement			
8610	Depreciation Expense			
8710	Election Expenses			
8810	Capital Acquisition			
	Total Expenditure	37,922	60,988	136,983

To Be Funded by South Coast Water District. An additional $160,000 was added during FY14-15 for the Environmental Baseline Monitoring Project. All Revenue and expense are shown here in FY14-15 but in actuality this project is expected to carry over into FY15-16

Poseidon Desal
(choice)
65

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
4215	Choice Revenue	54,000	51,000	
4705	Prior Year Carry over			45,162
	Choice billing over/under		(45,162)	
	Total Revenue	54,000	5,838	45,162

Recommendation for 2015-16 is to maintain existing funds for efforts that might arise this coming year.

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
6010	Salaries & Wages - Admin		3,436	-
6090	Directors Compensation - MWDOC			
6095	Directors Compensation - MWD			
6105	Benefits - Admin		796	-
	Overhead Reimbursement		1,606	-
6115	Benefits - Directors			
6120	Health Insurance Coverage for Retirees			
6205	Training			
6210	Tuition Reimbursement			
6220	Temporary Help			
7010	Engineering - Outside Services			
7020	Legal - General			
7030	Audit			
7040	Other Professional Fees	54,000		45,162
7110	Conference - Employee			
7115	Conference - Directors			
7150	Travel & Accomodations - Employee			
7155	Travel & Accomodations - Director			
7210	Membership / Sponsorship			
7220	CUWA Participation			
7240	AAWARF Participation			
7250	CDR Participation			
7310	Office Maintenance			
7320	Rents & Leases			
7330	Office Supplies			
7340	Postal / Mail Delivery			
7350	Subscriptions / Books			
7360	Reproduction Expense			
7410	Computer & Peripherals Maint			
7430	Software Purchase			
7440	Software Support			
7450	Software Devlopment			
7510	Site Maintenance			
7540	Computers and Equipment			
7580	Maintenance Expense			
7610	Automotive / Mileage			
7615	Toll Road Charges			
7620	Insurance Expense			
7640	Utilities - Telephone			
7650	Bank Fees			
7670	Miscellaneous Expenses			
8410	Overhead Reimbursement			
8610	Depreciation Expense			
8710	Election Expenses			
8810	Capital Acquisition			
	Total Expenditure	54,000	5,838	45,162

Actual activity for 2015-16 are uncertain at this time.

Value of Water
(choice)
67

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
4215	Choice Revenue	148,250	178,000	177,645
	Choice billing over/under		(2,216)	
	Total Revenue	148,250	175,784	177,645

Choice billing over/under reflects revenue overage or shortfall to be reconciled with participating member agencies. Final charges will be revised by August 2015 to reflect the new budget year charges plus/minus prior year over/under.

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS		FY 2015-2016 PROPOSED BUDGET	
6010	Salaries & Wages - Admin		11,645		34,988	
6090	Directors Compensation - MWDOC					
6095	Directors Compensation - MWD					
6105	Benefits - Admin		1,660		4,973	
	Overhead Reimbursement		6,479		19,483	
6115	Benefits - Directors					
6120	Health Insurance Coverage for Retirees					
6205	Training					
6210	Tuition Reimbursement					
6220	Temporary Help					
7010	Engineering - Outside Services					
7020	Legal - General					
7030	Audit					
7040	Other Professional Fees	88,500	136,000	1	114,000	3
7110	Conference - Employee					
7115	Conference - Directors					
7150	Travel & Accomodations - Employee					
7155	Travel & Accomodations - Director					
7210	Membership / Sponsorship					
7220	CUWA Participation					
7250	CDR Participation					
7310	Office Maintenance					
7320	Rents & Leases					
7330	Office Supplies					
7340	Postal / Mail Delivery					
7350	Subscriptions / Books					
7360	Reproduction Expense	23,000	12,500	2	4,200	4
7410	Computer & Peripherals Maint					
7430	Software Purchase					
7440	Software Support					
7450	Software Devlopment					
7510	Site Maintenance					
7540	Computers and Equipment					
7580	Maintenance Expense					
7610	Automotive / Mileage					
7615	Toll Road Charges					
7620	Insurance Expense					
7640	Utilities - Telephone					
7650	Bank Fees					
7670	Miscellaneous Expenses	36,750	7,500			
8410	Overhead Reimbursement					
8610	Depreciation Expense					
8710	Election Expenses					
8810	Capital Acquisition					
	Total Expenditure	148,250	175,784		177,645	

1
- Communications Consultant $ 35,000
- Pump Toppers $ 23,150
- Movie Theaters $ 26,350
- Social Media Advertising $ 1,500
- Bus Shelter Adds $ 10,000
- Video $ 40,000

$ 136,000

2
- Bill Stuffers $ 7,500
- Printed Materials $ 5,000

$ 12,500

3
- Communications Consultant $ 32,500
- Pump Toppers $ 35,000
- Movie Theaters $ 35,000
- Social Media Advertising $ 4,000
- Bus Shelter Adds $ 7,500

$ 114,000

4
- Printed Materials $ 4,200

2014 Fund - Doheny Desal
(choice)
68

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
4215	Choice Revenue	30,000	30,000	
4705	Prior Year Carry over			30,000
	Choice billing over/under		(30,000)	
	Total Revenue	30,000	-	30,000

This fund includes deposits from South Coast, LBCWD and San Clemente. Recommendation for 2015-16 is to maintain existing funds from 2014-15 for efforts that might arise this coming year.

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
6010	Salaries & Wages - Admin		-	-
	Salaries & Wages - Reimb. from Grants			
6090	Directors Compensation - MWDOC			
6095	Directors Compensation - MWD			
6105	Benefits - Admin		-	-
	Overhead Reimbursement		-	-
6115	Benefits - Directors			
6120	Health Insurance Coverage for Retirees			
6205	Training			
6210	Tuition Reimbursement			
6220	Temporary Help			
7010	Engineering - Outside Services			
7020	Legal - General			
7030	Audit			
7040	Other Professional Fees	30,000		30,000
7110	Conference - Employee			
7115	Conference - Directors			
7150	Travel & Accomodations - Employee			
7155	Travel & Accomodations - Director			
7210	Membership / Sponsorship			
7220	CUWA Participation			
7250	CDR Participation			
7310	Office Maintenance			
7320	Rents & Leases			
7330	Office Supplies			
7340	Postal / Mail Delivery			
7350	Subscriptions / Books			
7360	Reproduction Expense			
7410	Computer & Peripherals Maint			
7430	Software Purchase			
7440	Software Support			
7450	Software Devlopment			
7510	Site Maintenance			
7540	Computers and Equipment			
7580	Maintenance Expense			
7610	Automotive / Mileage			
7615	Toll Road Charges			
7620	Insurance Expense			
7640	Utilities - Telephone			
7650	Bank Fees			
7670	Miscellaneous Expenses			
8410	Overhead Reimbursement			
8610	Depreciation Expense			
8710	Election Expenses			
8810	Capital Acquisition			
	Total Expenditure	30,000	-	30,000

Actual activity for 2015-16 are uncertain at this time.

2008 Fund - Doheny Desal
(choice)
69

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET	
4215	Choice Revenue				
4705	Prior Year Carry over	94,000	94,000	31,194	1
	Choice billing over/under		(31,194)		
	Total Revenue	94,000	62,806	31,194	

The source of funding for these efforts are remaining funds from the 2008 participation agreement for Doheny desalination.

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
6010	Salaries & Wages - Admin		4,006	7,297
	Salaries & Wages - Reimb. from Grants			
6090	Directors Compensation - MWDOC			
6095	Directors Compensation - MWD			
6105	Benefits - Admin		922	1,537
	Overhead Reimbursement		1,878	3,563
6115	Benefits - Directors			
6120	Health Insurance Coverage for Retirees			
6205	Training			
6210	Tuition Reimbursement			
6220	Temporary Help			
7010	Engineering - Outside Services			
7020	Legal - General			
7030	Audit			
7040	Other Professional Fees	94,000	56,000	18,797
7110	Conference - Employee			
7115	Conference - Directors			
7150	Travel & Accomodations - Employee			
7155	Travel & Accomodations - Director			
7210	Membership / Sponsorship			
7220	CUWA Participation			
7250	CDR Participation			
7310	Office Maintenance			
7320	Rents & Leases			
7330	Office Supplies			
7340	Postal / Mail Delivery			
7350	Subscriptions / Books			
7360	Reproduction Expense			
7410	Computer & Peripherals Maint			
7430	Software Purchase			
7440	Software Support			
7450	Software Devlopment			
7510	Site Maintenance			
7540	Computers and Equipment			
7580	Maintenance Expense			
7610	Automotive / Mileage			
7615	Toll Road Charges			
7620	Insurance Expense			
7640	Utilities - Telephone			
7650	Bank Fees			
7670	Miscellaneous Expenses			
8410	Overhead Reimbursement			
8610	Depreciation Expense			
8710	Election Expenses			
8810	Capital Acquisition			
	Total Expenditure	94,000	62,806	31,194

Anticipated activities consist of payment of state park lease, electrical costs, coordination with state park planning for removal of the facilities.

WEROC
25

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET	
4320	Revenues from MWDOC	128,508	128,508	141,807	
4210	WEROC Contracts	126,973	126,973	141,807	6
4705	Prior Years Carryover	(1,859)	(17,478)	(0)	
4205					
4230	Reimbursements		4,933		
4240					
4410					
4805					
	Total Revenue	253,622	242,937	283,613	

6
- OCSD $ 27,795
- SOCWA $ 10,777
- OCWD $ 70,904
- 3 Cities -- $10,777 ea $ 32,331

$ 141,807

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET	
6010	Salaries & Wages - Admin	139,368	134,228	159,880	
6012	Salaries & Wages - Recovery from Grants				
6090	Directors Compensation - MWDOC				
6095	Directors Compensation - MWD				
6105	Benefits - Admin	55,648	48,046	55,489	
6115	Benefits - Directors				
6120	Health Insurance Coverage for Retirees				
6205	Training				
6210	Tuition Reimbursement				
6220	Temporary Help				
7010	Engineering - Outside Services				
7020	Legal - General				
7030	Audit				
7040	Other Professional Fees	3,000	3,000	3,000	
7110	Conference - Employee	1,800	1,800	1,800	
7115	Conference - Directors				
7150	Travel & Accomodations - Employee	3,500	2,700	3,500	
7155	Travel & Accomodations - Director				
7210	Membership / Sponsorship	205	225	420	
7250	CDR Participation				
7310	Office Maintenance				
7320	Rents & Leases	18,183	18,183	19,092	1
7330	Office & Radio Supplies	1,000	1,000	1,000	
7340	Postal / Mail Delivery				
7350	Subscriptions / Books				
7360	Reproduction Expense	200	100	200	
7410	Computer & Peripherals Maint	4,642	4,000	4,207	2
7430	Software Purchase				
7440	Software Support			6,750	
7450	Software Development				
7510	Site Maintenance	850	460	850	3
7540	Computers and Equipment				
7580	Maintenance - Generators	2,000	1,000	2,000	
7581	Maintenance - Radios	1,000	7,000	2,000	
7582	Maintenance - EOC's	3,000	3,000	3,000	
7610	Automotive / Mileage	600	679	800	
7615	Toll Road Charges	125	116	125	
7620	Insurance Expense	1,500	1,200	1,500	
7640	Utilities - Telephone	10,000	8,000	10,000	4
7650	Bank Fees				
7670	Miscellaneous Expenses	1,000	1,000	1,000	
7671	Miscellaneous Training	1,000	2,200	2,000	5
8410	Overhead Reimbursement				
8610	Depreciation Expense				
8710	Election Expenses				
8810	Capital Acquisition				
	Total Expenditure	248,621	237,937	278,613	

1 Catalina Repeater (6% increase)

2 'In Case of Crisis' Software

3 Janitorial services for 2 EOCs.

4 Land-line and cellular phones, and DSL

5
- WEROC Staff & Agencies trainings

Sinking Fund (generator/radio)	5,000	5,000	5,000
	253,621	242,937	283,613

AMP Proceeds Agreement Administration
61

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
4020	Interest Revenue	-		-
4050	O & M Maintenance Deposit	-	-	-
4230	Reimbursement	20,000	20,000	17,558
4680	Miscellaneous Income	-		-
	Billing over/under		3,150	
	Total Revenue	20,000	23,150	17,558

Participating Member agencies will be billed annually per the AMP sales admin agreement to cover legal and audit expenses until the RPOI ends in 2016

		FY 2014-2015 BUDGET	FY 2014-2015 PROJECTED ACTUALS	FY 2015-2016 PROPOSED BUDGET
6010	Salaries & Wages - Admin	-	989	2,098
6090	Directors Compensation - MWDOC			
6095	Directors Compensation - MWD			
6105	Benefits - Admin	`	263	460
6115	Benefits - Directors			
6120	Health Insurance Coverage for Retirees	-	-	-
6205	Training			
6210	Tuition Reimbursement			
6220	Temporary Help			
7010	Engineering - Outside Services			
7020	Legal - General	17,000	21,897	15,000
7030	Audit	3,000		
7040	Other Professional Fees			
7110	Conference - Employee			
7115	Conference - Directors			
7150	Travel & Accomodations - Employee			
7155	Travel & Accomodations - Director			
7210	Membership / Sponsorship			
7250	CDR Participation			
7310	Office Maintenance			
7320	Rents & Leases			
7330	Office Supplies			
7340	Postal / Mail Delivery			
7350	Subscriptions / Books			
7360	Reproduction Expense			
7410	Computer & Peripherals Maint			
7430	Software Purchase			
7440	Software Support			
7450	Software Devlopment			
7510	Site Maintenance			
7540	Computers and Equipment			
7580	Maintenance Expense			
7610	Automotive / Mileage			
7615	Toll Road Charges			
7620	Insurance Expense			
7640	Utilities - Telephone			
7650	Bank Fees			
7670	Miscellaneous Expenses			
8410	Overhead Reimbursement			
8610	Depreciation Expense			
8710	Election Expenses			
8810	Capital Acquisition			
	Total Expenditure	20,000	23,150	17,558

Exhibit D

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

Proposed District Participation Costs

Fiscal Year 2015-2016

	Budget FY 2014-2015	Projected FY 2014-2015 Actuals	Budget FY 2015-2016	Approval included in Budget Approval
Required Participation or Service				
Colorado River Water Users Association	$ -	$ 40	$ 40	√
LAFCO	25,000	23,141	25,000	√
Subtotal Cost Center 11	25,000	23,181	25,040	
Association. of Calif. Water Agencies (ACWA)	15,631	16,849	18,200	√
Federal Affairs				
Local Government				
Water Management				
Joint Powers Ins. Auth.				
eCivis, LLC - Grants Locator	3,900	3,900	-	
Santiago Aqueduct Commission	3,906			
Subtotal Cost Center 12	23,437	20,749	18,200	
OC Chapter-Calif. Landscape Contractors Assoc.	500	500	1,500	√
CA Urban Water Conservation Council Dues	7,810	7,810	8,005	√
South OC Watershed Management Area Dues	5,750	5,750	6,625	√
Subtotal Cost Center 35	14,060	14,060	16,130	
Subtotal - Required Participation or Service	**$ 62,497**	**$ 57,990**	**$ 62,870**	
Elective Participation				
Association of California Cities- Orange County (ACCOC)	$ 5,000	$ 5,000	$ 5,000	√
American Water Works Association (AWWA)	1,550	1,513	1,550	√
Association of Metropolitan Water Agencies (AMWA)		12,000	16,004	√
Association of Public Treasurers (APT)	145	-	-	
CA Chamber of Commerce (HR California)	499	449	499	√
CALDESAL	5,000	5,000	5,000	√
California Municipal Treasurers Association (CMTA)	155	155	155	√
California Society of Municipal Finance Officers (CSMFO)	125	125	125	√
CA Special Districts Assn. (CSDA)	5,294	5,691	6,100	√
Colorado River Water Users Assn. (CRWUA)	100	60	60	√
Government Finance Officers Association (GFOA)	165	160	165	√
Indep. Special Districts of Or. Co. (ISDOC)	200	200	200	√
International Personnel Management Association	105	105	105	√
Latino Business Association	250	250	250	√
Municipal Information Systems Association of California (MISAC)	-	-	200	New
National Water Resources Assn., Mun. Caucus	500	500	500	√
Orange County Business Council (OC Chamber)	1,500	1,500	5,000	√
Orange County Emplymnt Rltns Consortium (Liebert, Cassidy & Wh	2,994	2,994	-	
Orange County Public Affairs Association	150			
Orange County Water Association (OCWA)	200	100	100	√
Public Agency Risk Managers Asociation (PARMA)	100	100	100	√
Public Relations Society of America/O.C.	300	-	300	√
Society of Human Resources Management (SHRM)	180	185	200	√
Southern California Personnel Management Assoc. (SCPMA)		50	50	√
South Orange County Economic Coalition	1,500	1,500	1,500	√
Southern California Water Committee	850	850	850	√
Vietnamese Chamber of Commerce	500	-	-	
Water Education Foundation	578	578	578	√
Subtotal Cost Center 12	27,940	39,065	44,591	
Subtotal - Elective Participation	**$ 27,940**	**$ 39,065**	**$ 44,591**	

Exhibit D

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY

Proposed District Participation Costs

Fiscal Year 2015-2016

	Budget FY 2014-2015	Projected FY 2014-2015 Actuals	Budget FY 2015-2016	Approval included in Budget Approval
(Exhibit D Continued..)				
International Association of Emergency Managers	-	-	$ 185	New
InfraGard	$ 55	$ -	$ 55	√
California Emergency Services Association	150	225	180	√
WEROC Program Total	205	225	420	
GRAND TOTAL	**$ 90,642**	**$ 97,280**	**$ 107,881**	

New or Increased Memberships for 2015-16

Association	Budget FY 2014-2015	Projected FY 2014-2015 Actuals	Budget FY 2015-2016	Approval included in Budget Approval
Orange County Business Council (OC Chamber)	$ 1,500	$ 1,500	$ 5,000	√
Municipal Information Systems Association of California (MISAC)	-	-	200	√
International Association of Emergency Managers	-	-	185	√
OC Chapter-Calif. Landscape Contractors Assoc.	500	500	1,500	√
CA Urban Water Conservation Council Dues	7,810	7,810	8,005	√
South OC Watershed Management Area Dues	5,750	5,750	6,625	√
CA Special Districts Assn. (CSDA)	5,294	5,691	6,100	√
Society of Human Resources Management (SHRM)	180	185	200	√
Total of New or Increased Memberships	**$ 21,034**	**$ 21,436**	**$ 27,815**	

Exhibit E

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Summary of Proposed Staff Registration & Travel Budget (1)
Fiscal Year 2015-2016

Conference / Meeting	Registration	Travel (1)	Approval included in Budget Approval
ACWA - DC Conference (2 staff)	$ 1,250	$ 5,000	√
- Fall Conference (3 staff)	2,400	2,500	√
- Spring Conference (3 staff)	2,400	5,000	√
- Legislative Symposium (2 staff)	200	600	√
ACC-OCBC Legislative Advocacy Trip	950	300	New
ACWA Region 10 (2 Staff)	150	200	√
Association of Metropolitan Water Agencies (AMWA)	2,400	3,700	New
AWWA Cal Nevada & National Conference (1)	400	900	New
AWWA Fall Conference (1 staff)	550	1,200	√
AWWA Spring Conference (1 staff)	550	1,200	√
Bond Buyers Conference (1 Staff)	200	500	√
California Dept. of Health Svcs Certif Stakeholder Mtg. (2 Trips)	-	1,200	√
California Dept. of Water Resources (USC & ITP) (1 staff)	-	600	√
Calif. Soc. of Mun. Finance Officers (2 staff)	200	400	√
Cal Desal Conference (2 staff)	500	1,200	√
CRWUA - Fall (3 staff)	1,350	3,750	√
CSDA Annual Conference (1 staff)	500	-	
CUWCC Board Plenary & Committee Meetings (13 meetings)	-	5,760	√
DWR Stakeholder Meetings (4x)		1,200	√
Gov. Finance Officers Assoc. Seminar (1 staff)	200	400	√
Information Technology Seminar (2 staff)	600	1,200	√
Irrigation Association Annual Conference (3 staff)	1,200	-	
Liebert Cassidy & Whitmore Employment Law Conference (2 Staff)	950	-	
Sacramento Legislative Advocacy (12 trips)		5,000	√
Urban Water Institute (2x)	300	300	√
Washington Legislative Advocacy (6 trips)	-	11,000	√
Water Smart Innovations (1 Staff)	400	900	√
Miscellaneous*	1,800	2,500	√
General Fund Total **	$ 19,450	$ 56,510	
AWWA Security Congress (1 WEROC staff)	600	1,500	√
California Emergency Services Association (2 WEROC staff)	1,200	2,000	√
WEROC Program Total	$ 1,800	$ 3,500	
PROPOSED GENERAL FUND BUDGET	$ 19,450	$ 56,510	

* Includes OCWA lunch meetings, ISDOC, OCBC, SCWC, League of Cities, Misc. Assoc/Committee meetings and related business meeting expenses.

** Excludes automotive mileage.

(1) Includes all modes of travel (except automotive mileage), room accommodations, meals, and related misc. expenses.

Exhibit F

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Summary of Proposed Board Registration & Travel Budget
Fiscal Year 2015-2016

Conference	Registration	Travel (1)	Approval included in Budget Approval
ACWA DC Conference (2 Directors)	$ 1,250	$ 3,800	√
ACWA Fall Conference (3 Directors)	$ 2,400	$ 2,500	√
ACWA Spring Conference (3 Directors)	$ 2,400	$ 5,000	√
ACWA Region 10 (2 Directors)	$ 150	$ 200	√
Bond Buyers Conference (2 Directors)	$ 400	$ 1,000	√
CRWUA Fall Conf (2 Directors)	$ 900	$ 2,500	√
CSDA Annual Conference (1 Director)	$ 1,000	$ 200	√
Sacramento Legislative Advocacy (8 Trips)	-	$ 2,400	√
Washington DC Legislative Advocacy (6 trips)	-	$ 8,500	√
Urban Water Institute (2 Directors)	300	$ 300	√
Miscellaneous*	$ 1,000	$ 1,200	√
TOTAL**	$ 9,800	$ 27,600	
PROPOSED GENERAL FUND BUDGET	$ 9,800	$ 27,600	

* Includes OCWA lunch meetings, ISDOC, OCBC, SCWC, League of Cities, Misc. Assoc/Committee meetings and related business meeting expenses.

** Excludes automotive mileage.

(1) Includes all modes of travel (except automotive mileage), room accommodations, meals, and related misc. expenses.

Exhibit H

MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
Schedule of Capital Expenditures
Fiscal Year 2015-2016

	Proposed Budget	Approval included in Budget Approval
Computer Equipment - 45-8810:		
HP Z5400 Plotter	6,000	New
Subtotal Cost Center 45	**6,000**	
Total Capital Expenditures	**$ 6,000**	

Exhibit J
Professional / Special Services Authorized
Core Fund

Department	Consultant	Service	Budget FY 14-15	Budget FY 15-16	* Approval included in Budget Approval
Engineering Expenses					
Planning & Operation (21)	(To be determined)	Various Engineering/Technical Services	140,000	140,000	
Met Issues & Special Projects (23)	Ed Means Consulting	Consulting on MET issues	60,000	60,000	√
	Ron Gastelum Consulting		10,000	10,000	√
	(To be determined)	Urban Water Management Plan	65,000	30,000	
	(To be determined)	MET IRP Analysis and Reliability Planning	80,000	60,000	
		Total Engineering Expenses	**355,000**	**300,000**	
Legal Expenses					
Administration (11 & 13)	Best, Best & Krieger	General Legal Counsel Services	300,000	305,000	√
	Aleshire & Wynder	Legal Counsel Services Regarding San Diego County Water Authority	20,000	15,000	√
	Demsey, Filliger & Associates, LLC	OPEB Actuarial	3,000		
	Best, Best & Krieger	Labor Counsel Services	6,000	35,000	√
		Total Legal Expenses	**329,000**	**355,000**	
Audit Expenses					
Finance (41)	Vavrinek, Trine, Day & Co., LLP	Annual Financial Audit and Federal Single Audit	23,000	23,000	√
Training					
Administration (13)	TBD/Cal State University Fullerton Leadership	Staff Development/Training/indiv. Employee training	18,000	18,000	√
Professional Fees					
Administration (12 & 13 & 19)	Dissinger Associates	Pension Plan Administration	3,400	4,000	√
	(To be determined)	Evaluate fund portfolio on a semi annual basis for 401 and 457 Plan/RFP for 401 & 457	15,000	25,000	
	Wage Works	Cafeteria Plan Administration	2,400	1,800	√
	Blytheco	HR Maintenance	500		
	(To be determined)	Salary and Benefit Benchmark study	20,000		
	ECS, Inc.	Info. Management Professional Services	3,800		
Governmental Affairs (31)	Townsend Public Affairs	State Legislative Advocate	90,000	96,000	√
	James C. Barker	Federal Legislative Advocate	96,000	96,000	√
	Lewis Consulting	County Issues Consulting	48,000	48,000	√
	Ackerman	Legal and Regulatory	36,000	36,000	√
	(To be determined)	Miscellaneous	10,000	3,000	
Public Affairs (32)	Stetson Engineers	Consumer Confidence Report (CCR) Technical Water Quality Advisor	31,000	34,178	√
	(To be determined)	Public Outreach	7,500	7,500	
	(To be determined)	Collateral materials update and resolutions	5,000	5,000	
	(To be determined)	Event Registration Fees	3,500	2,500	
	(To be determined)	PAW Meeting Materials	2,600	2,500	
	(To be determined)	Client Agency Workshops for PAW	5,000	10,000	
	(To be determined)	Marketing Materials	3,500	15,000	
	(To be determined)	Surveys - Phone and IPSO		40,000	
	Michelle Tuckman	Temp PA consultant in lieu of PA director		40,000	
	Jessica Ouwerkerk	Temp PA consultant in lieu of PA director		28,800	
	(To be determined)	Website updates and Maintenance/New Website	7,500	35,000	
Finance & IT (41 & 45)	(To be determined)	Rate Study	-	75,000	
	Union Bank	Custodial Bank fees	3,000	3,000	√
	(To be determined)	Financial Consulting	20,000	112,000	
	(To be determined)	Project Financial Consulting	50,000		
		Total Professional Fees	**463,700**	**720,278**	

Exhibit J
Professional / Special Services Authorized
Trustee Activities

Department	Consultant	Service	Budget FY 14-15	Budget FY 15-16	* Approval included in Budget Approval
Legal Expenses					
AMP Administration (61)	Best, Best & Krieger	AMP Administration, 1996 COPS	17,000	15,000	√
Audit Expenses					
AMP Administration (61)	(To be determined)	Annual Audit	3,000		

* Approval of the budget constitutes authorization for spending within the policy guidelines set out in Chapter 8, Contracts section of the Administrative code including authorization limitations. A check mark indicates final board approval of the expenditure.

Exhibit J1
Professional / Special Services Authorized
Choice Funds

Department	Consultant	Service	Budget FY 14-15	Budget FY 15-16	* Approval included in Budget Approval
Professional Fees					
Water Use Efficiency (62)	*ConserVision Consulting, LLC	Water Smart Landscape	55,000	50,000	√
	(To be determined)	Printing of marketing materials for all WUE programs	40,000	60,000	
	Enterprise Information Systems	California Sprinkler Adjustment Program	35,000	1,200	√
	(To be determined)	Landscape Design Assistance Program	35,000		
	Gilbert & Associates	Project Audit	5,000		√
	(To be determined)	Web Based Rebate Processing Platform		72,000	
	(To be determined)	Landscape Ordinance Plan Review	25,000		
Value of Water (67)	(To be determined)	Outreach	25,000		
	(To be determined)	Communications Consultant	20,000	32,500	
	(To be determined)	Gas Station Pump Video Adds	12,000	35,000	
	(To be determined)	Bus Shelter Adds	12,500	7,500	
	(To be determined)	Public Service Announcements	8,000		
	(To be determined)	Website Development	3,500		
	(To be determined)	Mobile Application Development	7,500		
	(To be determined)	Movie Theaters		35,000	
	(To be determined)	Social Media Advertising		4,000	
Poseidon Desal	(To be determined)	(To be determined)	54,000	45,162	
2008 Fund Doheny Desal	(To be determined)	(To be determined)	94,000	18,797	
2014 Fund Doheny Desal	(To be determined)	(To be determined)	30,000	30,000	
School Program (63)	Discovery Science Center	Assemblies	234,000	257,400	√
Foundational Action Doheney Desal	(To be determined)	(To be determined)		108,000	
		Total Professional Fees	**695,500**	**756,559**	

* Approval of the budget constitutes authorization for spending within the policy guidelines set out in Chapter 8, Contracts section of the Administrative code including authorization limitations. A check mark indicates final board approval of the expenditure.

Municipal Water District of Orange County

Fiscal Year 2014-2015 Consolidated Budget Summary

	Core & Choice	Water Fund	Water Use Efficiency	WEROC	AMP Proceeds Agreement Administration	RPOI [1]	Total with Inter-Fund Transfers	Less Inter-Fund Transfers [2]	Consolidated Budget Total
Revenues:									
Water Sales		$ 197,943,916					**$ 181,841,285**		**$ 181,841,285**
Local Resource Program Incentives		$ (16,102,631)							
Retail Meter Charge	6,440,532						**6,440,532**		**6,440,532**
Water Increment Charge	103,564						**103,564**		**103,564**
Interest Revenue	138,000	4,275					**142,275**		**142,275**
MWDOC's Contribution			49,000	128,508			**177,508**	(177,508)	**-**
Outside Fundings	-		3,681,332	126,973	20,000	4,921	**3,833,226**		**3,833,226**
Carryover Funds				(1,859)			**(1,859)**		**(1,859)**
Choice Revenue	1,425,086						**1,425,086**		**1,425,086**
Miscellaneous Income	3,000						**3,000**		**3,000**
Total Revenues	**8,110,182**	**181,845,560**	**3,730,332**	**253,622**	**20,000**	**4,921**	**193,964,617**	**(177,508)**	**193,787,109**
Expenses:									
Water Purchases	-	181,841,285					**181,841,285**		**181,841,285**
Salaries & Wages	2,995,854			139,368	-		**3,135,223**		**3,135,223**
less S & W Reimb. DSC or Recov from Grants	(16,437)						**(16,437)**		**(16,437)**
Employee Benefits	1,095,249			55,648			**1,150,897**		**1,150,897**
Engineering Expense	355,000						**355,000**		**355,000**
Professional Fees	1,133,200		3,730,332	3,000			**4,866,532**	(49,000)	**4,817,532**
Election Expense (annualized)	444,000						**444,000**		**444,000**
Legal Expense - General	329,000			-	17,000		**346,000**		**346,000**
Maintenance Expense	131,568			3,850			**135,418**		**135,418**
Insurance Expense	97,000			1,500			**98,500**		**98,500**
Membership / Sponsorship	90,437			205			**90,642**		**90,642**
Director Compensation	210,342						**210,342**		**210,342**
MWDOC Contribution to WEROC	128,508						**128,508**	(128,508)	**-**
MWDOC Contribution to Desalination							**-**	-	**-**
RPOI Distribution to Member Agencies						4,921	**4,921**		**4,921**
Others:									**-**
MWD Representation	120,197						**120,197**		**120,197**
Director Benefits	119,356						**119,356**		**119,356**
Health Insurance Coverage for Retirees	50,244				-		**50,244**		**50,244**
Audit Expense	23,000				3,000		**26,000**		**26,000**
Automotive & Toll Road Expenses	14,550			725			**15,275**		**15,275**
Conference Expense - Staff	13,925			1,800			**15,725**		**15,725**
Conference Expense - Directors	8,650						**8,650**		**8,650**
CDR Participation	39,961						**39,961**		**39,961**
Business Expense	7,000						**7,000**		**7,000**
Miscellaneous Expense	120,400			5,000	-		**125,400**		**125,400**
Postage / Mail Delivery	11,100						**11,100**		**11,100**
Rents & Leases	40,708			18,183			**58,891**		**58,891**
Outside Printing, Subscription & Books	92,225			200			**92,425**		**92,425**
Office Supplies	24,288			1,000			**25,288**		**25,288**
Computer Maintenance	6,000			4,642			**10,642**		**10,642**
Software Support & Expense	54,384						**54,384**		**54,384**
Computers and Equipment	9,300			-			**9,300**		**9,300**
Telecommunications Expense	16,900			10,000			**26,900**		**26,900**
Temporary Help Expense	-						**-**		**-**
Training Expense	18,000						**18,000**		**18,000**
Tuition Reimbursement	6,000						**6,000**		**6,000**
Travel & Accommodations - Staff	38,300			3,500			**41,800**		**41,800**
Travel & Accommodations - Directors	29,600						**29,600**		**29,600**
MWDOC Building Expense	168,000						**168,000**		**168,000**
WEROC Sinking Fund Expense (generator & radios)				5,000			**5,000**		**5,000**
Capital Acquisition	-						**-**		**-**
Total Expenses	**8,025,809**	**181,841,285**	**3,730,332**	**253,622**	**20,000**	**4,921**	**193,875,969**	**(177,508)**	**193,698,461**
EFFECT ON RESERVES / FUND BALANCE	**$ 84,373**	**$ 4,275** [3]	**$ -**	**$ -**	**$ -**	**$ -**	**$ 88,648**	**$ -**	**$ 88,648**

1 Revised Percentage Of Investment (RPOI) - distribution of installment AMP sales proceeds from bond participants.
2 Adjustment for MWDOC's contributions to other funds.
3 Net change to restricted reserves for Interest revenue.

Municipal Water District of Orange County

Fiscal Year 2015-2016 Consolidated Budget Summary

	Core & Choice	Water Fund	Water Use Efficiency	WEROC	AMP Proceeds Agreement Administration	RPOI [1]	Total with Inter-Fund Transfers	Less Inter-Fund Transfers [2]	Consolidated Budget Total
Revenues:									
Water Sales		$ 172,494,402					**$ 172,494,402**		**$ 172,494,402**
Local Resource Program Incentives		(15,450,587)					**(15,450,587)**		**(15,450,587)**
Retail Meter Charge	6,687,322						**6,687,322**		**6,687,322**
Water Increment Charge	-						**-**		**-**
Interest Revenue	117,675	2,900					**120,575**		**120,575**
MWDOC's Contribution			49,000	141,807			**190,807**	(190,807)	**-**
Outside Fundings	-		22,717,204	141,807	17,558	4,823	**22,881,392**		**22,881,392**
Carryover Funds				(0)			**(0)**		**(0)**
Choice Revenue	1,615,957						**1,615,957**		**1,615,957**
Miscellaneous Income	3,000						**3,000**		**3,000**
Total Revenues	**8,423,954**	**157,046,715**	**22,766,204**	**283,613**	**17,558**	**4,823**	**188,542,867**	**(190,807)**	**188,352,060**
Expenses:									
Water Purchases	-	157,043,815					**157,043,815**		**157,043,815**
Salaries & Wages	3,309,949			159,880	2,098		**3,471,927**		**3,471,927**
less S & W Reimb. DSC or Recov from Grants	(23,500)						**(23,500)**		**(23,500)**
Employee Benefits	968,257			55,489	460		**1,024,207**		**1,024,207**
Engineering Expense	300,000						**300,000**		**300,000**
Professional Fees	1,541,837		22,766,204	3,000			**24,311,041**	(49,000)	**24,262,041**
Election Expense (annualized)	-						**-**		**-**
Legal Expense - General	355,000			-	15,000		**370,000**		**370,000**
Maintenance Expense	137,670			4,850			**142,520**		**142,520**
Insurance Expense	96,000			1,500			**97,500**		**97,500**
Membership / Sponsorship	103,961			420			**104,381**		**104,381**
Director Compensation	220,588						**220,588**		**220,588**
MWDOC Contribution to WEROC	141,807						**141,807**	(141,807)	**-**
MWDOC Contribution to Desalination							**-**	-	**-**
RPOI Distribution to Member Agencies						4,823	**4,823**		**4,823**
Others:									**-**
MWD Representation	126,050						**126,050**		**126,050**
Director Benefits	60,024						**60,024**		**60,024**
Health Insurance Coverage for Retirees	50,387				-		**50,387**		**50,387**
Audit Expense	23,000				-		**23,000**		**23,000**
Automotive & Toll Road Expenses	14,775			925			**15,700**		**15,700**
Conference Expense - Staff	19,450			1,800			**21,250**		**21,250**
Conference Expense - Directors	9,800						**9,800**		**9,800**
CDR Participation	39,740						**39,740**		**39,740**
Business Expense	6,800						**6,800**		**6,800**
Miscellaneous Expense	116,670			6,000	-		**122,670**		**122,670**
Postage / Mail Delivery	11,285						**11,285**		**11,285**
Rents & Leases	19,000			19,092			**38,092**		**38,092**
Outside Printing, Subscription & Books	72,070			200			**72,270**		**72,270**
Office Supplies	29,400			1,000			**30,400**		**30,400**
Computer Maintenance	7,100			4,207			**11,307**		**11,307**
Software Support & Expense	52,500			6,750			**59,250**		**59,250**
Computers and Equipment	21,150			-			**21,150**		**21,150**
Telecommunications Expense	15,650			10,000			**25,650**		**25,650**
Temporary Help Expense	-						**-**		**-**
Training Expense	18,000						**18,000**		**18,000**
Tuition Reimbursement	5,000						**5,000**		**5,000**
Travel & Accommodations - Staff	56,510			3,500			**60,010**		**60,010**
Travel & Accommodations - Directors	27,600						**27,600**		**27,600**
MWDOC Building Expense	400,000						**400,000**		**400,000**
WEROC Sinking Fund Expense (generator & radios)				5,000			**5,000**		**5,000**
Capital Acquisition	6,000						**6,000**		**6,000**
All Other Expenses	1,207,961	-	-	58,474	-	-	**1,266,435**	-	**1,266,435**
Total Expenses	**8,359,530**	**157,043,815**	**22,766,204**	**283,613**	**17,558**	**4,823**	**188,475,543**	**(190,807)**	**188,284,737**
EFFECT ON RESERVES / FUND BALANCE	**$ 64,424**	**$ 2,900** [3]	**$ -**	**$ -**	**$ -**	**$ -**	**$ 67,324**	**$ -**	**$ 67,323**

1 Revised Percentage Of Investment (RPOI) - distribution of installment AMP sales proceeds from bond participants.
2 Adjustment for MWDOC's contributions to other funds.
3 Net change to restricted reserves for Interest revenue.

Orange County Water District

FINAL DRAFT

Budget Report
FY 2015-2016

Orange County Water District
Budget Report
Fiscal Year 2015-16

Board of Directors

Cathy Green
President

Denis Bilodeau
1st Vice President

Philip Anthony
2nd Vice President

Shawn Dewane

Jan Flory

Dina Nguyen

Roman Reyna

Stephen Sheldon

Harry Sidhu

Roger Yoh

♦ ♦ ♦ ♦ ♦ ♦ ♦

Michael R. Markus, P.E.
General Manager

ORANGE COUNTY WATER DISTRICT
BUDGET REPORT
FISCAL YEAR 2015-16

OCWD HISTORY AND CHARACTER

SECTION 1 - GENERAL MANAGER'S MESSAGE

SECTION 2 - SUMMARIES
- COMBINED SUMMARY
- SOURCES AND USES OF FUNDS
- GENERAL FUND BUDGET SUMMARY
- GENERAL FUND BUDGET COMPARISON
- DISTRICT MEMBERSHIPS
- OCWD STAFFING HISTORY

SECTION 3 - OPERATIONS AND COST CENTER DESCRIPTIONS
- OCWD ORGANIZATIONAL STRUCTURE
- COST CENTER PROFILES

SECTION 4 - DEBT SERVICE

SECTION 5 - OTHER POST EMPLOYMENT BENEFITS

SECTION 6 - WATER PURCHASE

SECTION 7 - BASIN EQUITY ASSESSMENT

SECTION 8 - CAPITAL IMPROVEMENT PROGRAM

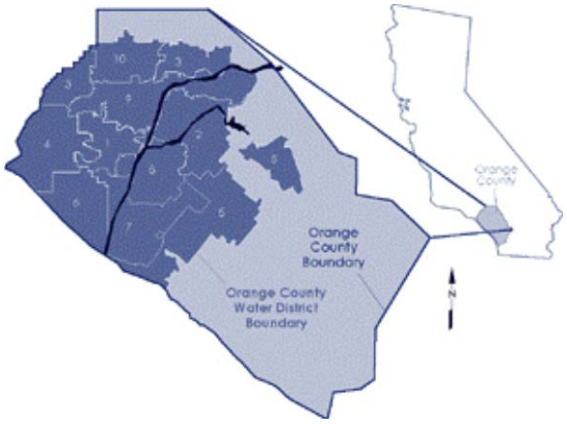
SECTION 9 - NEW EQUIPMENT (FIXED ASSETS) SUMMARY
- NEW EQUIPMENT BUDGET FUNDED BY OPERATING REVENUES

SECTION 10 - REPLACEMENT AND REFURBISHMENT

SECTION 11 - COST CENTER DETAIL
- GENERAL FUND BUDGET COST CENTER DETAIL
- ACRONYMS AND ABBREVIATIONS

ORANGE COUNTY WATER DISTRICT
HISTORY AND CHARACTER

The District receives an average of only 13 to 15 inches of rainfall annually, yet sustains a population of approximately 2.4 million people. The residents and businesses within the District have two primary sources of drinking water. One source is a natural underground reservoir, called the Orange County groundwater basin. The other source, referred to as imported water, comes from Colorado through the Colorado River Aqueduct and from the Sacramento/San Joaquin Delta in Northern California through the State Water Project.



The groundwater basin was used by early settlers to supplement flows from the Santa Ana River.

As the area developed into a thriving agricultural center, the increased demand upon the subsurface water by the county's many wells resulted in a gradual lowering of the water table. In response, the Orange County Water District was formed in 1933 by a special act of the California State Legislature. OCWD manages the groundwater basin that underlies the northwest half of the county, supplying a significant percentage of the District's total water demand. The remaining demand is obtained through the Colorado River Aqueduct and State Water Project via the Metropolitan Water District of Southern California and the Municipal Water District of Orange County.

DISTRICT VITAL STATISTICS

Date of Enactment: 1933
Form of Government: Special District of the State of California
Area (square miles): 358
Employees (full-time equivalent): 218.5

Major Groundwater Producing Agencies:

Anaheim, City of
Buena Park, City of
East Orange County Water District
Fountain Valley, City of
Fullerton, City of
Garden Grove, City of
Golden State Water Company
Huntington Beach, City of
Irvine Ranch Water District
La Palma, City of
Mesa Water District
Newport Beach, City of
Orange, City of
Santa Ana, City of
Seal Beach, City of
Serrano Water District
Tustin, City of
Westminster, City of
Yorba Linda Water District

Section 1
General Manager's Message

April 15, 2015

Board of Directors
Orange County Water District

Subject: BUDGET FOR FISCAL YEAR 2015-2016

OVERVIEW

I am pleased to present to the Board of Directors the recommended budget for fiscal year (FY) 2015-16. The budget includes general fund expenditures, debt service, water purchases, refurbishment and replacement items, and capital projects for Board review and consideration. Development of the draft budget began in December 2014 with Board review of the preparation schedule.

The District's general fund budget has been subdivided into 21 cost centers to provide greater detail. During the month of January, I met with all of the District's managers in preparing the budgets for these cost centers and reviewed every line item of what they have proposed.

The draft budget was reviewed at the Board meeting on March 4. Additional meetings and workshops were held on the budget through March and April with the Board and Groundwater Producers (Producers). The final draft budget presents the culmination of these meetings and workshops, along with a new review of the budget by me as General Manager, which lead to changes in expenses as shown in Table 1.

The budget describes activities and projects that are primarily a continuation of the District's existing workload. We expect the expanded Groundwater Replenishment System (GWRS) to produce about 98,000 acre-feet of water supplies. However funds have been budgeted that would support up to 103,000 acre-feet of production. The budget is based on decreasing the Basin Production Percentage (BPP) to 70 percent from 72 percent, which corresponds to approximately 321,600 acre-feet of pumping in FY 2015-16.

Highlights and assumptions of the proposed budget include:

- This plan assumes an average of the last five years hydrology.
- This budget contains approximately 2,000 acre-feet of water purchases from the City of Long Beach for injection into the Alamitos barrier.

- Budgeting for 55,000 acre-feet of MWD untreated full service water supplies to recharge into the groundwater basin to support the recommended BPP.
- Increasing General Fund expenses by $5.5 million from the prior year. This increase is due mainly to the Groundwater Replenishment System Initial Expansion (GWRSIE) going to production mode.
- No cost of living increase to salaries has been budgeted, although merit increases based upon employee performance has been budgeted.
- Budgeted headcount increases from 217½ to 218½.
- The groundwater basin's projected June 30, 2015 accumulated overdraft is estimated at 416,000 acre-feet. This estimated overdraft increases to 432,000 acre-feet after excluding the 16,000 acre-feet of water from MWD conjunctive use program storage account.
- Using $27 million of reserves for a cash defeasance of the outstanding 2005 Certificates of Participation to reduce the necessary Replenishment Assessment increase.

Table 1

PROPOSED CHANGES TO DRAFT FY 2015-16 BUDGET

ITEM	ADDITION (REDUCTION)	NOTES
Debt service	($1,000,000)	Reduction in commercial paper principal payment
General Fund	($60,000)	Reduction in Interagency - SAWPA
General Fund	($20,000)	Reduction in engineering consulting services
General Fund	$7,000	WEROC contribution increased
New Equipment	($30,000)	Reduction in Cisco networking hardware
Water Purchase	($5,880,000)	Reduction of 10,000 acre feet of water purchases from MWD
Total	($6,983,000)	Net reduction

The recommended budget would require an increase in the Replenishment Assessment (RA) to $322 per acre-foot for FY 2015-16 from the current year's RA of $294. Table 2 provides a summary of the proposed budget

Table 2

2015-16 PROPOSED BUDGET

EXPENDITURES	BUDGETED FY 14-15 ($ MILLIONS)	PROPOSED FY 15-16 ($ MILLIONS)
General Fund	54.8	60.3
Debt Service	33.5	27.7
Water Purchases	26.3	35.6
New Equipment	0.7	0.9
Capital Improvement Program	74.3	24.0
Refurbishment and Replacement Expenditures	15.0	26.3
Retiree Health Insurance Trust	1.3	1.3
Total	**$205.9**	**$176.1**

BUDGET DETAILS

The Orange County Water District strives to improve the efficiency of all aspects of its operations in its continuing efforts to increase the water quality and reliability of Orange County's local water resources at the lowest possible cost. The FY 2015-16 budget report reflects the wide range of programs necessary to accomplish the District's primary mission of proactively managing the Orange County groundwater basin. The following sections provide highlights of the budget.

EXPENDITURES

GENERAL FUND BUDGET - $60.3 MILLION

The District has 21 cost centers and their proposed activities for the year are provided in detail in later sections of this document. The District constantly attempts to minimize increases to the General Fund by taking actions such as limiting administrative personnel, reviewing operations, maximizing outside funding opportunities, and reviewing all vacant positions before they are refilled. The General Fund budget contains the expenses of operating a number of facilities including:

- The GWR System Advanced Water Purification Facility
- Green Acres Project (GAP)
- Talbert seawater barrier injection facilities
- Water quality monitoring well maintenance and sampling

- Laboratory
- Recharge operations in Anaheim and Orange
- Alamitos seawater barrier injection facilities
- Prado Wetlands and water conservation programs

The District's total salary and benefit costs are projected to be $29.9 million, which is allocated as follows: $29.2 million to the General Fund and $0.7 million to capital projects. As described in the Work Plans, the budget proposes a headcount of 218½.

WATER PURCHASE BUDGET - $35.6 MILLION

The proposed water budget calls for purchasing 55,000 acre-feet of MWD untreated full service water. The total water budget is $35.6 million. Any money not spent in the annual water budget would remain in the water reserve fund.

The District expects to spend the remaining water reserve fund by the end of the current fiscal year.

The basin's accumulated overdraft is estimated to be 432,000 acre-feet excluding the 16,000 acre-feet in the MWD conjunctive use program storage account by June 30, 2015.

Debt Service Budget - $27.7 Million

The District will have more than $565 million in outstanding debt at the start of the budget year. This year's total debt service budget will be $27.7 million, comprised of $9.6 million of fixed rate debt, $3.6 million of variable rate debt, $1.2 million of swap payments, $8.5 in SRF debt payments, $4.0 million of commercial paper debt and $0.8 million for debt administration. Variable rate debt interest cost has been budgeted at 2.75 percent.

The District has developed a comprehensive long-range debt management program, which provides for the funding of projects necessary to protect the basin and to increase basin production while providing predictable and minimal impacts to the RA.

The District holds very high credit ratings of AAA from Standard & Poor's and Fitch along with an Aa1 rating from Moody's. The ratings assigned by these three agencies have a direct impact on the District's ratepayers. The District's high credit ratings translate into lower annual interest payments and reduced letter of credit fees on its variable rate debt.

RETIREE HEALTH INSURANCE TRUST FUND - $1.3 MILLION

The District conducted a biennial actuarial study in May 2013 to determine the estimated accrued liability of providing the retiree medical benefit which is $12.2 million. The annual cost to fund this liability (Annual Required Contribution or ARC) was estimated in the report at $1.32 million. At the end of FY 2014-15, the trust fund is expected to have a value of approximately $6.9 million. The recommended FY 2015-16 budget includes $1.32 million to continue fully funding the District's ARC. This cost is also referred to as Other Post Employment Benefits (OPEB).

Replacement and Refurbishment (R&R) Fund Budget - $26.3 Million

The District has over $908 million in existing plant and fixed assets. These facilities annually depreciate and require replacement and refurbishment to maintain their capabilities. In October 1998, the District formally established an R&R Fund.

In 2004 the R&R program was downsized to only include infrastructure type assets. The amount of money annually transferred into the R&R program was reduced from $4.5 million to $2.8 million with this change. The annual transfer amount has been growing by seven percent annually to provide sufficient funds to meet future expected R&R expenditures. The annual contribution also increased by $4.5 million with the construction of the GWR System.

The total contribution in FY 2015-16 would be $13.65 million. The R&R program and model was formally reviewed and updated in 2011.

Actual expenditures from the fund vary significantly each year depending upon which District assets have reached the end of their useful life and need to be replaced or which assets can have their lives extended by refurbishing them. In FY 2015-16, the proposed R&R expenditures are $26.3 million.

The R&R Program Fund balance is expected to decrease from $72.2 million on June 30, 2015 to $63.5 million on June 30, 2016.

Capital Projects Budget - $24.0 Million

The District prepares a multi-year CIP budget to support its mission. The CIP budget spans three years and provides expected capital expenditures over the 3-year period. The CIP budget is comprised of seventeen projects totaling $24.0 million in FY 2015-16. The seventeen projects are funded through long-term debt, grants and the District will be funding $6 million of the CIP budget with RA revenue or current revenue (PAYGO) rather than borrowed funds. Details of the CIP are provided in Section 8 of the budget book.

The projects are necessary to:

- Support basin production by increasing recharge capacity and operational flexibility;
- Protect the coastal portion of the basin.

The CIP program and the capitalization of expenditures comply with the adopted District policy in October 2000, which: (1) defines the types of expenditures that can be capitalized; and (2) uses long-term debt to fund the projects. Each project included in the CIP must be individually reviewed and approved by the Board prior to design and construction.

NEW CAPITAL EQUIPMENT ITEMS - $0.9 MILLION

This budget includes small equipment items such as laboratory equipment, machines, tools, computers and software, pumps, equipment, etc. These items are funded using current revenues.

A detailed list of these items is provided in Section 9 of this document.

REVENUES

ASSESSMENTS - $103.0 MILLION RA; $1.8 MILLION BASIN EQUITY ASSESSMENT

All water pumped out of the groundwater basin is assessed the RA on a dollar per acre-foot basis of $322. The RA is expected to generate $103.0 million in revenue for FY 2015-16 based on 321,600 acre-feet of total anticipated basin production at a 70 percent BPP.

The Basin Equity Assessment (BEA) rate is calculated for each Producer based on the treated full service MWD water rate and each Producer's individual energy cost to pump groundwater. The BEA is assessed annually in September for all groundwater production above the BPP. For FY 2015-16, $1.8 million of BEA revenue is expected to be received.

AD VALOREM PROPERTY TAXES – $21.7 MILLION

The District would expect to receive approximately $21.7 million in property taxes collected within the service area.

The County of Orange assesses and collects the taxes and transfers them to the District at various times during the year. This revenue source is dedicated to the District's debt service expenditure.

INVESTMENT REVENUE – $2.4 MILLION

The District's cash reserves generate investment revenues. The majority of cash reserves are invested in short-term securities. Yields have increased slightly and have been estimated at 1.25 percent.

Investment revenues have been estimated at $1.5 million for the General Fund. Approximately $0.7 million of the investment revenues are generated by and for the R&R program, another $0.2 million of the investment revenues are generated by and for the PAYGO/CIP program. There is no interest revenue allotted to the water reserve fund.

MISCELLANEOUS REVENUES – $13.2 MILLION

MISCELLANEOUS REVENUES ARE COMPRISED OF NUMEROUS ITEMS INCLUDING:

Water sales from the GAP	$0.8 M
MWD GAP LRP Subsidy	$0.5 M
GWR System MWD LRP Subsidy	$8.1 M
Annexation fees	$1.7 M
Producer well loan repayments	$0.6 M
Rents & leases	$1.2 M
Other minor misc. items	$0.3 M
TOTAL	$13.2M

RESERVES

The District maintains cash reserves to ensure its financial integrity so that the groundwater basin can be successfully managed and protected. Cash reserves ensure that:

- The District has sufficient funds for cash flow purposes;
- Funds are available for unexpected events such as contamination issues;
- Funds are available to make necessary replacements and refurbishments to the District's infrastructure;
- The District has access to debt programs with very low interest cost;
- A financial hedge is in place to balance the amount of outstanding variable rate debt the District has issued in case interest rates rise;
- The District can purchase untreated MWD water to replenish supplies.

The District has developed policies which result in the establishment of the reserve and operating fund levels shown in Table 2. The net effect of the proposed budget would be a decrease of $6.7 million to total District reserves

with $8.7 million decrease in the Replacement and Refurbishment fund, $2.0 million decrease in the Paygo fund and an increase of $4 million to operating reserve fund.

Table 2
Operating Reserves Levels

Reserve	Beginning FY14-15 ($/million)	Projected Year-end FY 14-15 ($/million)	Projected Year-end FY 15-16 ($/million)
R&R Fund	73.7	72.2	63.5
Toxic Cleanup Reserve Fund	4.0	4.0	4.0
Contingencies Reserve Fund	3.0	3.0	3.0
SRF Loan Reserve Fund	5.2	9.0	9.0
Water Reserve Fund	11.8	0	0
Paygo Fund	18.8	13.8	11.8
Operating Reserve Fund (15% of operating budget)	18.0	19.7	23.7
Sub-total	**134.5**	**121.7**	**115.0**
Operating Fund			
Operating Fund	45.1	30.0	30.0
TOTAL	**179.6**	**151.7**	**145.0**

COST CUTTING EFFORTS

Staff has been and will continue to work to reduce District costs to minimize rate increases. Recent examples of cost cutting efforts include:

- Renegotiated letter of credit fees with bank;
- Changed to a new supplier for specialty gases used in lab analytical systems to save money without a reduction in purity;
- The District continues negotiating payment term discounts with vendors;
- Analyzed historical insurance claims data and adjusted insurance deductibles accordingly to reduce premiums;
- Reduced the use of sulfuric acid typically required as a pretreatment to prevent mineral scaling in the reverse osmosis membranes by working with the District's antiscalant vendors;
- Refunded 2003B COPs for millions of dollars of net present value savings.

CONCLUSION

The proposed FY 2015-16 budget represents an expenditure plan that is fiscally sound and incorporates significant budget reductions while supporting necessary programs. As part of the District's commitment to provide local groundwater producers with a reliable, high-quality water supply at the lowest reasonable cost, the following areas will continue to be emphasized:

- Minimizing administrative and overhead type costs;
- Protect the coastal portion of the groundwater basin;
- Increase local water supplies where economical; and
- Maintain the financial health and integrity of the District.

Respectfully submitted,

Michael R. Markus, P.E.
General Manager

Section 2
Summaries

Combined Summary
Sources and Uses of Funds
General Fund Budget Summary
General Fund Budget Comparison
District Memberships
OCWD Staffing History

Orange County Water District
Combined Summary
Fiscal Year 2015-16

Revenues		
Property Taxes	$	21,715,000
Replenishment Assessment	$	103,036,706
Basin Equity Assessment	$	1,750,000
Facility Revenue from Other Agencies (GAP & GWRS LRP)	$	9,350,127
Project Reimbursement Revenue	$	6,035,000
Conjunctive Use Program	$	4,200,000
Investment Revenues	$	2,445,087
Rent, Royalties and Others	$	3,890,348
Appropriation from R&R reserves	$	8,588,408
Draw from Construction Fund/SRFLoans	$	15,131,716
Total Revenues/Others	**$**	**176,142,392**

Appropriations		
General Fund	$	60,255,971
New Equipment	$	898,800
Water Purchases	$	35,636,000
Retiree Health Trust	$	1,322,758
Debt Service	$	27,725,945
Capital Projects (Debt & PAYGO funded)	$	23,966,716
R&R Fund Expenditures	$	26,336,202
Total Appropriations	**$**	**176,142,392**

Sources and Uses of Funds
Fiscal Year 2015-16

Uses		Sources									
	Total	Replenishment Assessment	Basin Equity Assessment	Taxes	Conjunctive Use Program	GAP Revenues & LRP (GWR/GAP)	Investment Revenue	Rent & Others	Reserve Fund Drawdown	Project Reimbursement	Debt Proceeds	Total
General Fund	$ 60,255,971	$ 41,929,056			$ 4,200,000	$ 9,350,127	$ 1,545,087	$ 3,231,701				$ 60,255,971
New Equipment	$ 898,800	$ 898,800										$ 898,800
Water Purchases	$ 35,636,000	$ 33,886,000	$ 1,750,000									$ 35,636,000
Debt Service	$ 27,725,945	$ 5,352,298		$ 21,715,000				$ 658,647				$ 27,725,945
Retiree Health Trust	$ 1,322,758	$ 1,322,758										$ 1,322,758
Capital Projects (Debt & PAYGO funded)	$ 23,966,716	$ 6,000,000					$ 200,000			$ 2,635,000	$ 15,131,716	$ 23,966,716
R&R Fund Expenditures	$ 26,336,202	$ 13,647,794					$ 700,000		$ 8,588,408	$ 3,400,000		$ 26,336,202
	$ 176,142,392	$ 103,036,706	$ 1,750,000	$ 21,715,000	$ 4,200,000	$ 9,350,127	$ 2,445,087	$ 3,890,348	$ 8,588,408	$ 6,035,000	$ 15,131,716	$ 176,142,392

General Fund Budget Summary
Fiscal Year 2015-16

Cost Center #	Cost Center	Salaries & Benefits	Services & Supplies	FY 15-16 Proposed Budget
1010	General Manager's Office	657,273	1,401,550	2,058,823
1012	Public Affairs	898,262	781,000	1,679,262
1016	Information Services	1,048,882	859,000	1,907,882
1018	Board Administration	826,914	257,740	1,084,654
1022	Purchasing	780,161	31,930	812,091
1024	Finance	1,770,182	148,350	1,918,532
1030	Human Resources	569,567	303,010	872,577
1034	Safety & Risk Management	372,195	749,340	1,121,535
1036	Water Quality	1,516,161	308,067	1,824,228
1038	Laboratory	3,550,049	1,397,000	4,947,049
1040	Research & Development	908,852	165,910	1,074,762
1044	Planning and Watershed Management	760,598	410,300	1,170,898
1045	Local Resources	248,611	2,750	251,361
1046	Regulatory Affairs	554,056	201,650	755,706
1050	Water Production/GWR System	8,812,826	19,966,434	28,779,260
1060	Recharge Operations	2,307,546	1,513,125	3,820,671
1062	Wetland Operations	400,094	202,700	602,794
1069	Property Management	133,467	134,898	268,365
1070	Engineering	750,242	88,950	839,192
1075	Hydrogeology	1,777,442	1,705,500	3,482,942
1080	Natural Resources	573,853	409,534	983,387
	Total (Rounded)	**$ 29,217,000**	**$ 31,039,000**	**$ 60,256,000**

General Fund Budget Comparison
Fiscal Year 2015-16

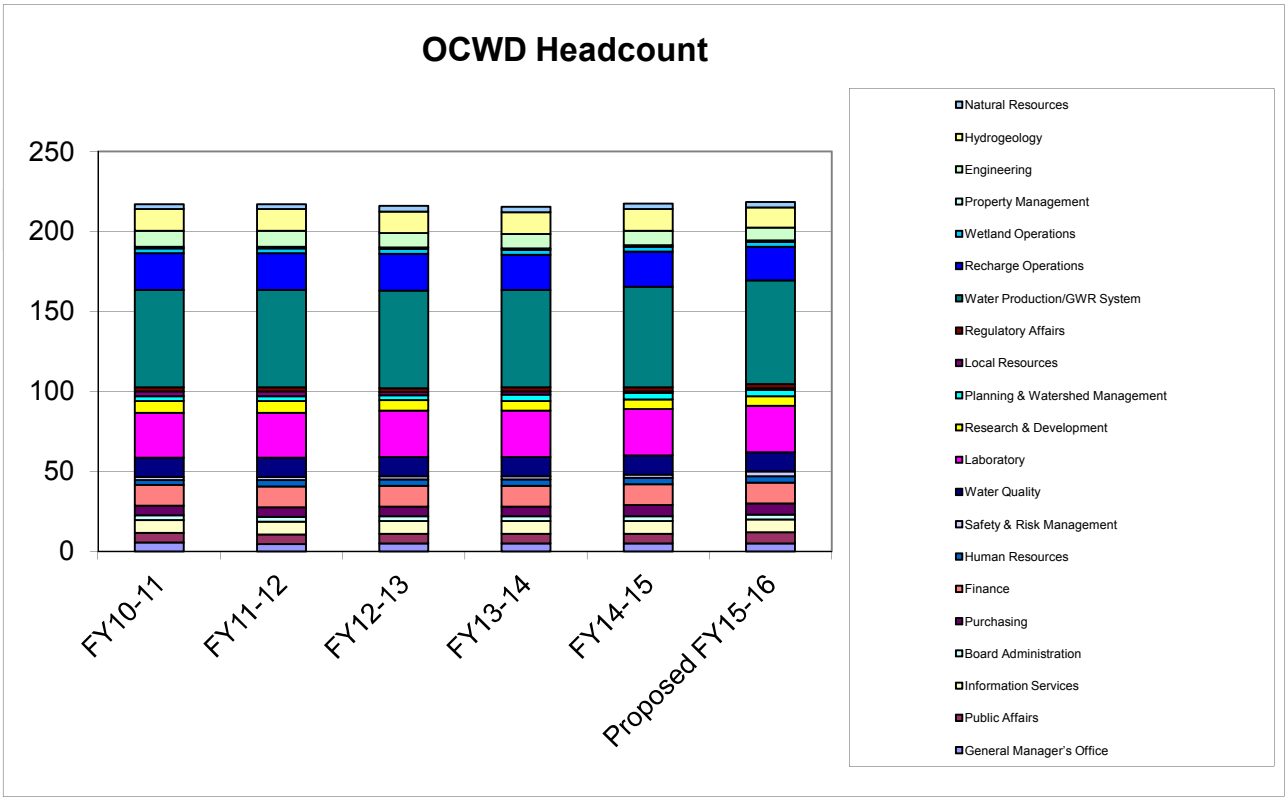
Cost Center #	Cost Center	FY 2015-16 Proposed Budget	FY 2014-15 Budget	Difference Over(Under)	% Increased or (Decreased)
1010	General Manager's Office	2,058,823	2,116,129	(57,306)	-2.71%
1012	Public Affairs	1,679,262	1,554,318	124,943	8.04%
1016	Information Services	1,907,882	1,907,532	351	0.02%
1018	Board Administration	1,084,654	1,056,497	28,157	2.67%
1022	Purchasing	812,091	672,888	139,203	20.69%
1024	Finance	1,918,532	1,874,918	43,614	2.33%
1030	Human Resources	872,577	859,133	13,443	1.56%
1034	Safety & Risk Management	1,121,535	1,004,133	117,402	11.69%
1036	Water Quality	1,824,228	1,904,465	(80,237)	-4.21%
1038	Laboratory	4,947,049	4,998,730	(51,681)	-1.03%
1040	Research & Development	1,074,762	1,033,245	41,517	4.02%
1044	Planning & Watershed Management	1,170,898	1,271,012	(100,114)	-7.88%
1045	Local Resources	251,361	253,631	(2,270)	-0.89%
1046	Regulatory Affairs	755,706	743,513	12,193	1.64%
1050	Water Production/GWR System	28,779,260	24,815,454	3,963,806	15.97%
1060	Recharge Operations	3,820,671	4,302,428	(481,757)	-11.20%
1062	Wetland Operations	602,794	587,215	15,579	2.65%
1069	Property Management	268,365	266,055	2,311	0.87%
1070	Engineering	839,192	802,220	36,972	4.61%
1075	Hydrogeology	3,482,942	1,867,785	1,615,156	86.47%
1080	Natural Resources	983,387	873,130	110,257	12.63%
	Total (rounded)	**$ 60,256,000**	**$ 54,764,000**	**$ 5,492,000**	**10.03%**

DISTRICT MEMBERSHIPS
Fiscal Year 2015-16

ORGANIZATION	AMOUNT
AMERICAN GROUNDWATER TRUST	500
AMERICAN MEMBRANE TECHNOLOGY ASSOCIATION	700
AMERICAN WATER WORKS ASSOCIATION (AWWA)	1,600
ASSOCIATION OF CALIFORNIA CITIES - ORANGE COUNTY (ACC-OC)	5,000
ASSOCIATION OF CALIFORNIA WATER AGENCIES (ACWA)	28,000
BUILDING INDUSTRY ASSOCIATION OF SOUTHERN CALIFORNIA	650
CAL DESAL	5,000
CAL STATE FULLERTON DEMOGRAPHICS 4 x $10,000	40,000
CALIFORNIA SPECIAL DISTRICTS ASSOCIATION (CSDA)	6,000
CALIFORNIA GROUNDWATER COALITION	9,500
CHAMBERS OF COMMERCE (24)	7,200
GROUNDWATER GUARDIAN	2,500
GROUNDWATER FOUNDATION	100
GROUNDWATER RESOURCES ASSOCIATION (GRA)	200
INDEPENDENT SPECIAL DISTRICTS ASSOCIATION (ISDOC)	250
INTERNATIONAL UV ASSOCIATION	250
ORANGE COUNTY BUSINESS COUNCIL	5,000
ORANGE COUNTY TAXPAYERS ASSOCIATION	2,000
PROFESSIONAL MEMBERSHIPS (ASCE & WEF)	600
REGIONAL STORMWATER TASK FORCE	1,000
SANTA ANA RIVER FLOOD PROTECTION AGENCY (SARFPA)	1,200
SOUTHERN CALIFORNIA ALLIANCE OF PUBLICLY OWNED TREATMENT WORKS	3,000
SOUTHERN CALIFORNIA SALINITY COALITION (NWRI)	10,000
SOUTHERN CALIFORNIA WATER COMMITTEE	5,000
SOUTHWEST MEMBRANE OPERATORS ASSOCIATION	300
UTILITY BRANDING NETWORK	5,000
WATER ADVISORY COMMITTEE OF ORANGE COUNTY (WACO)	100
WATER EDUCATION FOUNDATION	3,500
WATER RESEARCH FOUNDATION	100,000
WATEREUSE ASSOCIATION	10,000
WATEREUSE RESEARCH FOUNDATION	25,000
TOTAL	**279,150**

OCWD Headcount

Cost Center	FY10-11	FY11-12	FY12-13	FY13-14	FY14-15	Proposed FY15-16
General Manager's Office	5.5	4.5	5	5	5	5
Public Affairs	6	6	6	6	6	7
Information Services	8	8	8	8	8	8
Board Administration	3	3	3	3	3	3
Purchasing	6	6	6	6	7	7
Finance	13	13	13	13	13	13
Human Resources	3	4	4	4	4	4
Safety & Risk Management	2	2	2	2	2	3
Water Quality	12	12	12	12	12	12
Laboratory	28	28	29	29	29	29
Research & Development	7.5	7.5	6.5	6	6	6
Planning & Watershed Management	3	3	3	4	4	4
Local Resources	3	3	2	2	1	1
Regulatory Affairs	2.5	2.5	2.5	2.5	2.5	2.5
Water Production/GWR System	61	61	61	61	63	65
Recharge Operations	23	23	23	22	22	21
Wetland Operations	3	3	3	3	3	3
Property Management	1	1	1	1	1	1
Engineering	10	10	9	9	9	8
Hydrogeology	13.5	13.5	13.5	13.5	13.5	12.5
Natural Resources	3	3	3.5	3.5	3.5	3.5
	217	217	216	215.5	217.5	218.5



Section 3
Operations and Cost Center Descriptions

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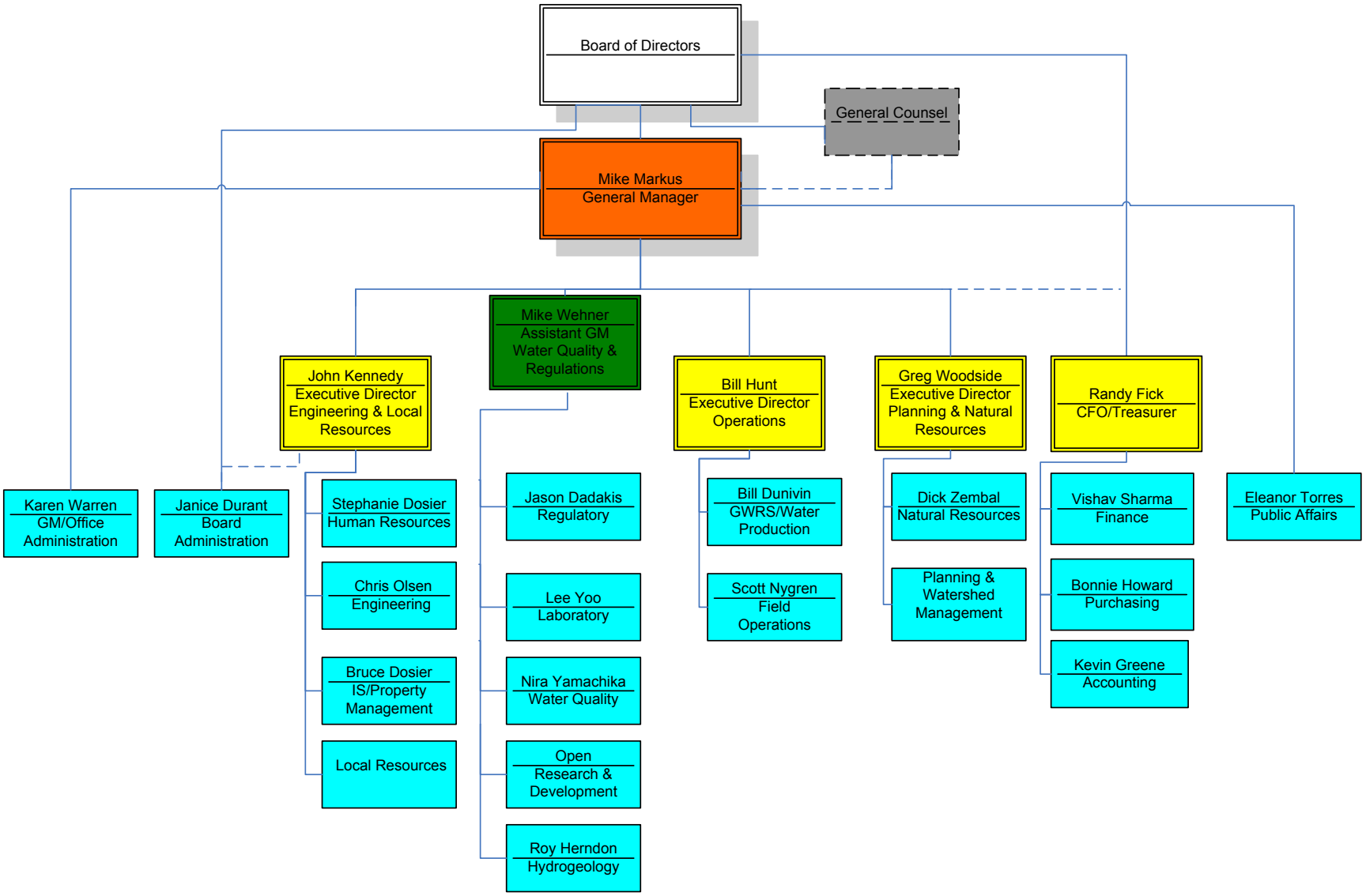
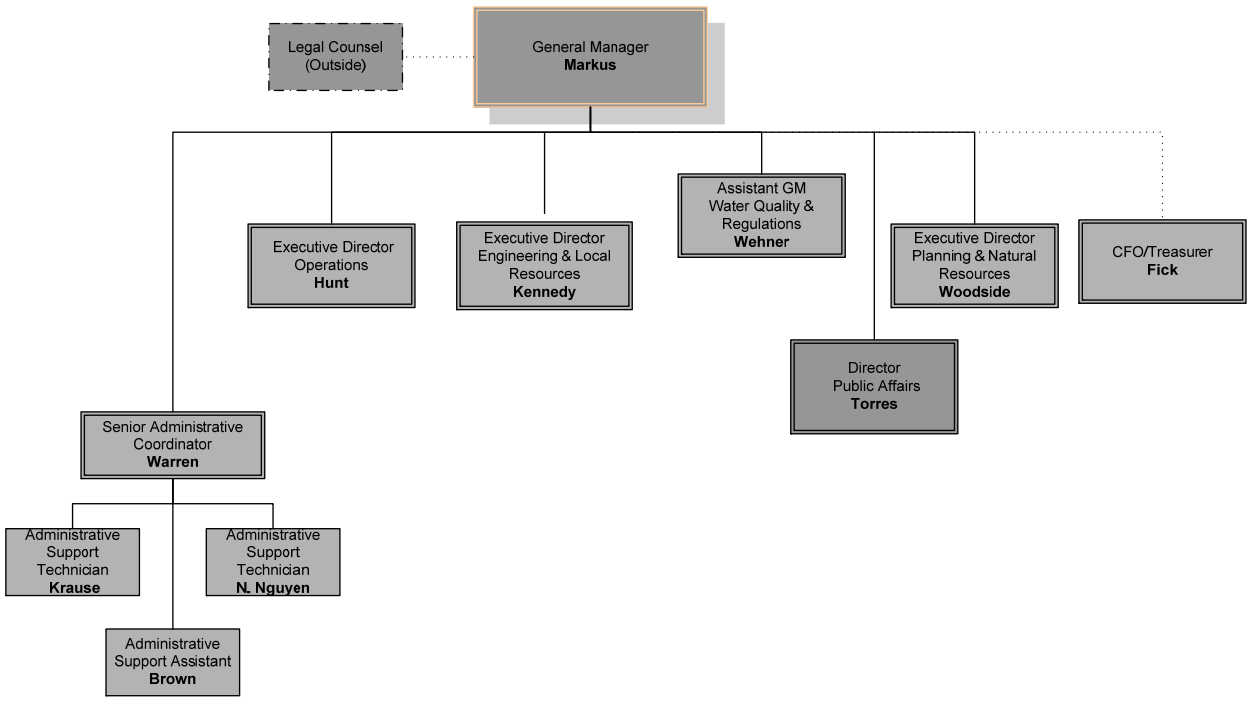
OCWD Organizational Structure FY 2015-16



OFFICE OF THE GENERAL MANAGER



Summary Information

Existing Staff –5 FTEs

1 – General Manager
1 – Senior Administrative Coordinator
2 – Administrative Support Technicians
1 – Administrative Support Assistant

Mission

Implement the policies of the Board of Directors.

Key issues for FY 2015-16

- Continuing efforts with Prado Basin CA Feasibility Study to increase water conservation at Prado Dam to elevation 505 year-round
- Pursuing strategies to protect Santa Ana River flows
- Preparing a feasibility study and CEQA for the GWRS Final Expansion
- Implementation of North & South Basin Contamination Clean-up Strategies
- Securing funding for capital projects through Proposition 1

Account Information	FY 2013-14 Actual	FY 2014-15 Budget	FY 2015-16 Proposed Budget
Salaries and Benefits	683,552	651,621	657,273
Services and Supplies	1,425,843	1,464,508	1,401,550
Total	**$2,109,395**	**$2,116,129**	**$2,058,823**

I FY 2015-16 Major New Initiatives/Programs

With Board approval, commence strategic planning workshops with Directors and staff on major initiatives for the next three years.

II Core Activities

The General Manager's Office is charged with directing the activities of 218.5 full time employees in their efforts to manage and protect the Orange County groundwater basin, which supplies the majority of the water used by 2.4 million people living in northern Orange County.

Core activities include:

- Implementing and communicating the policies of the Board of Directors
- Supporting and preparing for Board and Committee meetings
- Managing organizational issues
- Managing outside legal services
- Coordinating legislative activities
- Providing external communications
- Participation in WateReuse to help support District initiatives and policy development for indirect and direct potable reuse
- Attending Santa Ana Water Project Authority (SAWPA) meetings and engaging the member agencies general managers in upper Santa Ana watershed activities
- Coordination with Municipal Water District of Orange County (MWDOC), Association of California Water Agencies (ACWA), and groundwater producers
- Providing mailroom and copy production support services
- Managing organizational memberships and office supplies

III Non-Core Activities

- Numerous requests for presentations and tours of District facilities

IV Group Goals for FY 2015-16

Lawsuits – Actively manage and pursue legal actions including:

- MTBE litigation
- North Basin Groundwater Protection Project
- South Basin Groundwater Protection Project

Legislation - Advocate for the District's legislative interests at the federal, state, and local levels. Actively monitor and aggressively support/oppose legislation impacting the District's operations as necessary.

- *Federal:* Work with the Army Corps of Engineers (ACOE) to pursue additional water conservation and development of a sediment removal project behind Prado Dam. Continue working with federal legislators to secure funding for District projects and visit legislators and legislators' staff in Washington D.C.
- *State:* Work with Association of California Water Agencies (ACWA), SAWPA, California Special Districts Association (CSDA), WateReuse, and others to: monitor potential legislation concerning water quality, prevent shifting property tax revenue, and oppose legislating local issues; support good governance measures; monitor and apply for infrastructure/resources bond funding opportunities; monitor State Regional Board movement to change recycled water policy; and monitor and take positions on legislation of importance to the District; and visit legislators and legislators' staff in Sacramento.
- *Local:* Work with local agencies, organizations, (including the Orange County Business Council [OCBC],Orange County Association of California Cities [ACC-OC] and Orange County Council of Government [OCCOG]), elected officials and their staff members to protect the District's interests and operations. Meet with county supervisors and local city councilmembers.

GWRS Operation – Achieve production of 103,000 acre-feet

Organizational – Work to improve recruitment and retention of employees

Metropolitan Water District of Southern California (MWD) – Actively participate in development of new policies dealing with groundwater issues

Grant Funding – Actively pursue any source of grant funding for selected projects

V Pending Activities

- Active participation in WateReuse and ACWA
- Actively pursue operational efficiencies and explore additional opportunities for supply to the groundwater basin
- Continue to develop relationships with both SAWPA and non-SAWPA upper Santa Ana River watershed agencies

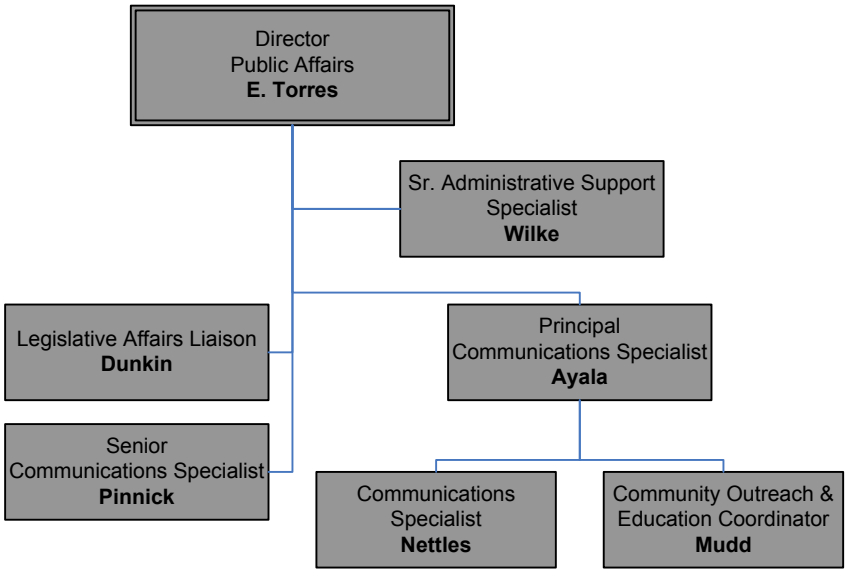
VI Staff Addition Needed for FY 2015-16

None

VII Future Issues

None

PUBLIC AFFAIRS



Summary Information

Existing Staff –7 FTEs

1 – Director of Public Affairs
1 – Legislative Affairs Liaison
1 – Principal Communications Specialist
1 – Senior Communications Specialist
1 – Communications Specialist
1 – Community Outreach & Education Coordinator
1 – Senior Administrative Support Specialist

Mission

To demonstrate OCWD's value to community stakeholders; to inform stakeholders about District projects and highlight programs, projects and achievements that demonstrate the District's commitments to water quality, water supply and reliability, sound financial management, industry leadership and innovation, sound planning, and environmental stewardship; provide communications support for OCWD Board, General Manager and staff; and, forge and maintain relationships and partnerships with Producers, elected officials, related professional membership associations, key community organizations, media and other stakeholders.

Key Issues for FY 2015-16

- Wildlife and Watershed Exhibit
- Water bond funding for District projects
- Prado Basin Feasibility Study
- Agency transparency
- District strategic planning and standards
- Wide community engagement , with extensive face-to-face community and media outreach
- Tour program that integrates new hallway interactive displays
- Crisis communications
- National Contingency Plan and groundwater cleanup communications

Account Information	FY 2013-14 Actual	FY 2014-15 Budget	FY 2015-16 Proposed Budget
Salaries and Benefits	708,327	892,968	898,262
Services and Supplies	593,837	661,350	781,000
Total	**$1,302,164**	**$1,554,318**	**$1,679,262**

I FY 2015-16 MAJOR NEW INITIATIVES/PROGRAMS

- Update content and maintain hallway exhibits.
- Feature Board Members in monthly articles, presentations and meetings throughout the District.
- Complete and unveil a wildlife and watershed exhibit featuring the District's collection of taxidermy.
- Complete and organizational standards/values projects and incorporate results into District branding and transparency efforts.
- Implement new tour program integrating the new hallway exhibits, and increase tour attendance.
- Design and implement marketing and outreach program for the new tour and hallway programs and to maximize exposure for speaker bureau activities and District accomplishments.
- Work with legislators, legal counsel and legislative consultants to secure support for District groundwater contamination clean-up projects and other District projects.
- Provide support for quarterly/bi-yearly meetings with individual Producers
- Create and manage a website editorial calendar.
- Expand the Speakers Bureau Program to include state of the groundwater basin presentations at city council meetings, mayors' breakfasts, community organizations' general meetings and during appearances on local and elected officials' cable programs.

- Rebrand the Children's Water Education Festival and relocate the event to the OCWD campus.
- Produce a Quarterly Groundwater Cleanup Newsletter and bi-weekly staff newsletter.
- Assist planning in submitting funding applications and securing support for water bond funding.
- Dedication of new facilities including Water Education Corridor Project and Fletcher Basin; Groundbreaking of La Palma Basin.
- Update District photo, video and graphics library with high definition images.
- Provide support as needed for ocean desalination exploration.
- Media training for executive committee.
- Extensive marketing of District programs, projects and events.
- Create engaging multimedia graphics and videos and print collateral regarding District functions, standards and projects.
- Event, awards submittals and media for Dedication of the GWRS Initial Expansion, Website launch and the Water Education Corridor Project.

II CORE ACTIVITIES

- Continue to build awareness and support for OCWD's programs and projects by communicating to key elected officials, community leaders, stakeholders, businesses, environmental groups, etc.
- Complete and unveil new Wildlife and Watershed Exhibit.
- Implement new tour program and increase attendance.
- Continue to produce OCWD monthly newsletter and add a quarterly groundwater cleanup newsletter and biweekly staff newsletter.
- Dedication of Fletcher Basin.
- Groundbreaking new basin (Panattoni property).
- Create and manage editorial calendars for websites, social media and publications to keep information timely.
- Work with legislature regarding groundwater contamination remediation.
- Continue to advocate for Prado Basin Feasibility Study; complete milestone three or third year of three-year process.
- Continue to actively engage in Water Bond workgroups to maximize funding for District projects.
- Market and maintain new Water Hero Program.
- Continue to maintain social media postings and tweets (1-3 per week) and optimize website and social media hits; Unveil new, fresh social media campaign using new commitment element that will be part of the corridor/tour program.

- Continue to survey 25-35 % of tour guests; Surveys are part of water reuse global research projects.
- Continue construction Outreach – provide support to all departments doing new and/or regular maintenance projects (24-36 projects annually); Collateral and outreach for Groundwater Contamination Cleanup Projects and Mid-Basin (and possibly Ocean Desalination).
- Apply for grants for Children's Water Education Festival, Water Education Corridor Project, Water Hero and Tour Program.
- Continue to assist other departments in applying for grants involving construction, studies, water capture, water quality, etc.
- Video production and graphics for corporate fact sheets, website and company brochure.
- Translate new collateral materials into other languages.
- Make state of groundwater presentations to cities and districts in OCWD service area and to service organizations annual or biennial (Board participation).
- Continue to facilitate Assemblyman Allen's Water Advisory committee/workgroup.
- Continue engaging with Groundwater Resources Association - coalition/groundwater roundtable to maintain District's designation as a Groundwater Sustainability Agency for Orange County.
- Continue WateReuse Research Foundation and Association Direct Potable Reuse Terminology Efforts; possibly lead a WRF special study.
- 9th Annual Water Summit.
- Continue to support WateReuse Association CA Section Conference (Mike Markus President).
- Continue to produce monthly press releases.
- Joint Open House with OCSD (biennial event).
- Award submittals: GWRS Expansion, new website, new tour program, Water Hero and Water Education Corridor projects.
- Media relations - Pitch media for coverage on newly completed projects (GWRS expansion, new tour program, Water Hero, and Water Education Corridor projects).
- Continue to attend chambers of commerce and service organizations' meetings on a quarterly basis (with Board members).
- Washington, DC OC Briefings and Luncheon.
- Monthly committee write-ups.
- Monthly WACO meetings.
- Continue to participate in and lead various water associations' working groups/committees (ACWA, WRA, CSDA, ISDOC, SAWPA, etc.).

- Support regarding consolidation efforts as needed.
- Conduct annual Groundwater Adventure Tour of OCWD facilities for groundwater producers, general managers, and staffs.
- Work with city councils, city managers and water boards to be more informed and supportive of OCWD's commitments, goals and objectives.
- Assist OCWD Board members in their communication efforts with their stakeholders.
- Improve communications for and between OCWD Public Affairs Department and groundwater producers' public information representatives in order to generate a positive, mutually beneficial relationship and increase clarity of wholesaler/retailer messages.
- Be responsive to needs of community neighbors impacted by OCWD construction, operations or projects, so that they understand the need for the work and so that impacts are mitigated as much as possible.
- Ensure OCWD's innovations are noted in trade publications by developing relationships with key trade press.
- Keep elected officials and their staff members up-to-date and supportive of OCWD issues and needs.
- Build recognition, trust and awareness of OCWD in leading community organizations.
- Conduct Children's Water Education Festival and other youth and Groundwater Guardian activities and inform/involve Orange County education leaders about OCWD's youth education activities. Continue to actively request/receive outside grants and contributions for this activity.
- Maintain support and interest of Orange County's business leaders in OCWD's groundwater issues by working through the numerous chambers of commerce throughout Orange County.
- Maintain support of OCWD's environmental efforts by communicating with local environmental organizations.
- Continue to support communication efforts of other OCWD departments including water quality and emerging contaminants outreach, annexation issues, legislative support, and water rights application.
- Continue proactive media relations program, including distributing press releases, contacting and meeting with new local reporters, coordinating media tours and monitoring news media.
- Inform stakeholders about District projects and highlight programs, projects and achievements that demonstrate the District's commitments to water quality, water supply and reliability, sound financial management, industry leadership and innovation, and environmental stewardship.
- Provide communications support to OCWD Board, General Manager, and staff.

- Communicate effectively, both internally and externally, about OCWD and its mission.
- Forge and maintain relationships and partnerships with Producers, elected officials, related professional membership associations, businesses, key community organizations, environmental groups, media and other stakeholders.
- Additional functions and key tasks include crisis management, marketing, media relations, community relations, reputation management, outreach and education.
- Other related activities.

III NON-CORE ACTIVITIES

- Support of outside water industry agencies (American Water Works Association Research Foundation [AWWARF], WateReuse, the Clean Water Alliance, Water Environment Research Foundation, ACWA, National Water Research Institute [NWRI], etc.) for research support, conference support, etc.
- Other related activities.

IV GROUP GOALS FOR FY 2015-16

- Identify and create more speaking and media opportunities for Board Members and executive staff to update the community about OCWD's activities, history and important role in the local economy and public health.
- Reach more and new people, and strengthen and build upon existing relationships.
- Demonstrate value/importance of OCWD groundwater management to cities, producers, policy makers, residents and businesses.
- Secure legislative, business and community trust and support for District Projects.
- Set OCWD apart from other special districts.

V PENDING ACTIVITIES

None

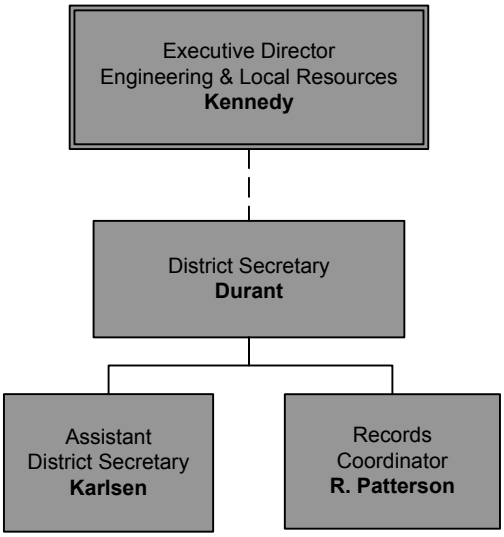
VI STAFF ADDITION NEEDED FOR FY 2015-16

None

VII FUTURE ISSUES

None

BOARD ADMINISTRATION



Summary Information

Existing Staff - 3 FTE

1 – District Secretary
1 – Assistant District Secretary
1 – Records Coordinator

Mission

Maintain and manage official District documents and records, compile and prepare Board and Committee agendas and minutes. Perform other statutory duties as set forth in the District Act, including Conflict of Interest filings and publication of required legal notices.

Key Issues for FY 2015-16

Hire a certified records management consultant to conduct an assessment of how OCWD creates, manages, and stores its records and information and provide recommendations for improvements to ensure continued compliance with current applicable laws.

Account Information	FY 2013-14 Actual	FY 2014-15 Budget	FY 2015-16 Proposed Budget
Salaries and Benefits	765,314	850,757	826,914
Services and Supplies	85,874	205,740	257,740
Total	**$851,188**	**$1,056,497**	**$1,084,654**

I FY 2015-16 Major New Initiatives/Programs

- Work with certified records management consultant to perform District-wide records assessment.
- Continued scanning and indexing of District records into the Electronic Document Imaging/Records Management System (EDI/RMS).

II Core Activities

- The primary function of the Board Administration Department is to maintain all official District documents and records, to compile and prepare Board and Committee agendas and minutes to ensure compliance with all applicable state and federal laws, and to perform other statutory duties as set forth in the District Act, including Conflict of Interest filings and publication of required legal notices.
- Another prime function is Records Management, which includes recording, filing, indexing, and maintaining database of Board records for District-wide use.

III Non-Core Activities

Non-core activities (secondary priority compared to core activities) conducted by Board Administration include:

- Director's support – travel, expense reporting, and meeting scheduling, mail processing
- Management support – assist with research and preparation of submittals for Board consideration
- Maintenance of Board Policy Manual and District Act.

IV Group Goals for FY 2015-16

- Electronic Document Imaging/Records Management System: Assist in performing District-wide records assessment.
- Scanning and indexing Board/Committee Agenda packets: The department is focused on scanning Board/Committee Agenda packets into the electronic records management system (RMS).
- Expanding and integrating the RCO database: The Department will continue to link the Board minute database to legal documents database.

- Updating of Records Retention Policy: The Department will review and recommend, if necessary, updating the records retention policy to ensure compliance with current regulations.
- Training of District personnel on use of Records Management System: The Department will continue to train District staff in ways to access records through the RMS

V Pending Activities

Audit of Iron Mountain inventory.

VI Staff Addition Needed for FY 2015-16

None

VII Future Issues

- Continuation of development of a work plan for District-wide implementation of departmental central filing utilizing the electronic records management system and es tablishing District-wide procedures for key staff related to scanning, accessing and transmitting electronic records.
- Archival of District historical records.

LOCAL RESOURCES

Summary Information

Existing Staff – 1 FTEs

1 – Executive Director of Engineering and Local Resources

Mission

Coordinate and manage basin management programs with the Groundwater Producers. Assist with managing the financial and water budgets of the District. Coordinate water purchases from other agencies. Recommend the annual Replenishment Assessment, Basin Production Percentage, Production Limitation and the Basin Equity Assessment. Monitor and represent the District at MWD and MWDOC meetings. Coordinate MWD storage programs. Assist with the annual budget preparation. Manage grant/loan activities with appropriate funding agencies (Department of Water Resources, State Water Resources Control Board, MWD through MWDOC and others). Assist with issues related to projects creating new water supplies.

Key Issues for FY 2015-16

- Provide analysis on key issues related to the Poseidon Resources Huntington Beach ocean desalination project.
- Maximize purchases of MWD untreated full service water under a possible MWD allocation plan to support the Basin Production Percentage.
- Potentially begin the phase out of the Additional Replenishment Assessment charge.

Account Information	FY 2013-14 Actual	FY 2014-15 Budget	FY 2015-16 Proposed Budget
Salaries and Benefits	255,975	248,131	248,611
Services and Supplies	33,370	5,500	2,750
Total	**$289,345**	**$253,631**	**$251,361**

I FY 2015-16 Major New Initiatives/Programs

None

II Core Activities

The Local Resources Department is primarily responsible for managing various local and imported water programs. The core activities of the group are:

- Interacting, representing, and processing agreements with outside agencies such as the MWD, MWDOC, the local groundwater producers (i.e., water retailers), State of California (State Water Resources Control Board and Department of Water Resources) and others.
- Administering any funding programs for current and future phases of the GWR System.
- Administering and/or developing special programs such as basin management programs with groundwater producers.
- Attend MWD Committee meetings and represent the District.
- Administer the Coastal Pumping Transfer Program.
- Monitor MWD available water supplies for purchase and water rates.
- Annually establish the Replenishment Assessment, Basin Production Percentage and Basin Equity Assessment collections.
- Meet with Groundwater Producers as necessary to update District activities.
- Processing annexation requests.
- Help process and administer Basin Equity Assessment exemption projects.
- Preparing and administering the water purchase budget and in-lieu water purchase program.
- Administer monthly and special groundwater producers' meetings.
- Providing long-term RA, BPP, and capital project projections.
- Prepare invoices, pertinent billing documents and reports for the GWR System in compliance with the Local Resources Program financial incentive contribution by MWD.

- Manage the MWD Conjunctive Use Storage and Supplemental Storage programs with MWD and MWDOC.
- Act as liaison with MWDOC.
- Represent the District at the Association of Groundwater Agencies meetings.
- Assist with the production of monthly in-lieu invoices and annual Basin Equity Assessment reports.
- Administer MWDOC/OCWD Joint Planning Committee meetings.
- Manage and oversee the preparation of Board and Committee agendas and packets.

III Non-Core Activities

None

IV Group Goals for FY 2015-16

- Assist the Board in determining if the District should participate in the Poseidon Resources ocean desalination project
- Process documents to implement a BEA exemption for the City of Santa Ana Well #32
- Maximize Proposition 1 funding
- Administer receipt of MWD untreated full service supplies under a new allocation formula
- Consider a BEA exemption for the City of Huntington Beach well #9
- Rate Projections – Update the District's five-year RA and BPP projections.

V Pending Activities

- Major activities that are not being implemented include water conservation activities and financial incentive program to further enhance water conservation efforts within the District's service area.
- Developing projects and programs to reduce groundwater basin salinity levels.

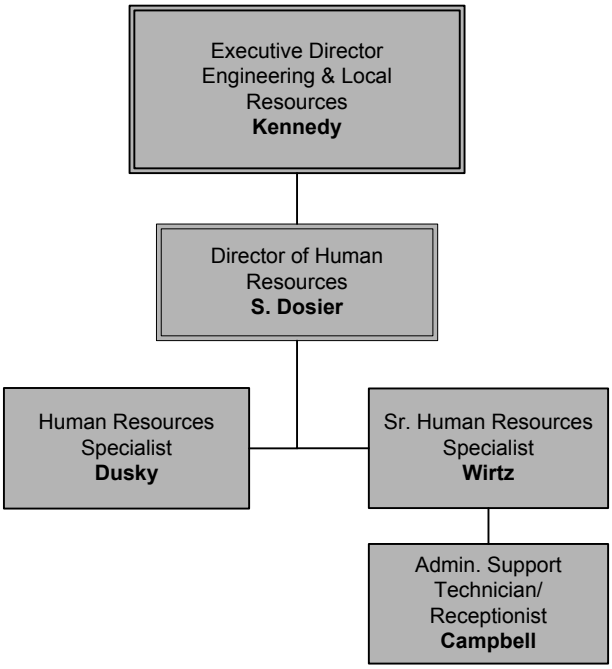
VI Staff Addition Needed for FY 2015-16

None

VII Future Issues

None

HUMAN RESOURCES



Summary Information

Existing Staff - 4 FTEs

1 – Director of Human Resources
1 – Senior Human Resources Specialist
1 – Human Resources Specialist
1 – Administrative Support Technician/Receptionist

Mission

Manage the District's Human Resources program to integrate human value with water management objectives.

Key Issues for FY 2015-16

- Complete review and market analysis of District health plans and retiree medical options.
- New reporting requirements take effect due to the Affordable Care Act.
- Implementation of the full integration of the District's Time Entry, HR/Payroll and Employee self-service modules to the Dayforce platform.
- Continue required training programs for managers and supervisor. This effort will be ongoing
- Revamp the Wellness Program.

Account Information	FY 2013-14 Actual	FY 2014-15 Budget	FY 2015-16 Proposed Budget
Salaries and Benefits	547,756	559,623	569,567
Services and Supplies	244,902	299,510	303,010
Total	**$792,658**	**$859,133**	**$872,577**

I FY 2015-16 Major New Initiatives/Programs

- Market Analysis of all health care plans.
- Training will continue to be a main focus for the department.
- New IRS reporting requirements will be a focus this year for 2016 reporting. The reporting requirements require administrate initiative and time.
- Healthcare Reform issues and upcoming guidelines and changes.
- Move to the Dayforce platform to provide a fully integrated HR/Payroll, timekeeping and employee self-service system.
- Wellness Program.

II Core Activities

The Human Resources Department is primarily responsible for the District programs that integrate human value with water management objectives.

Core activities include:

- Negotiations with OCEA.
- District recruitment efforts - This includes placements, resume reviews, interviews, background investigation and coordinating pre-employment physicals and drug testing.
- Safety and Risk Management oversight.
- HRIS and Timekeeping System administration and implementation – ongoing.
- Implement new programs to meet new mandates.
- Policy development and management - Staff must monitor federal and state employment related laws and regulations to ensure the business practices and polices stay current and the District is fully compliant.
- Benefit Administration - Work with brokers to ensure competitive health insurance programs. Act as liaison on all benefit issues between employees and the carriers.
- Retirement program administration.
- Compensation Administration - This includes market surveys and compensation policy development and administration.

- Mandated Programs - This includes programs mandated by federal and state guidelines. Unemployment insurance benefit program, Department of Transportation drug and alcohol program, training programs, among others.
- Employee Relations - This includes employee discipline, employee documentation, employee counseling, and representing the District at employment related hearings.
- General Personnel Administration - This includes keeping all required documentation on all employees, filing appropriate federal and state reports. Also, participation in surveys and special reports as requested by managers.
- Employee morale programs such as Employee of the Month and Year Program, and Employee Recognition Program.

III Non-Core Activities

None

IV Group Goals for FY 2015-16

- Update the retirement summary plan descriptions.
- The migration to a fully integrated HR/Payroll, time entry and employee self-service system with Ceridian.
- Wellness Program development.
- Continue to expand on the training program for managers and supervisors.
- Development of a Procedure Manual for all employees and one for Supervisors.
- “In-depth” review of benefits plans and how to augment and/or cut costs but retain good benefit levels in coordination with the changing regulations under Health Care Reform.

V Pending Activities

- Modify the department filing system, including the Employee Personnel files.

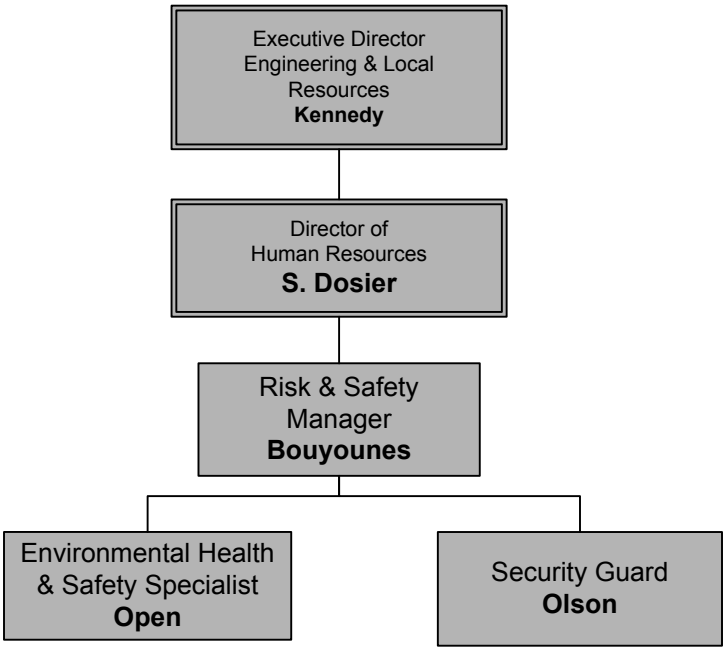
VI Staff Addition Needed for FY 2015-16

None

VII Future Issues

- Succession Planning

SAFETY AND RISK MANAGEMENT



Summary Information

Existing Staff - 3 FTEs

1 – Risk & Safety Manager

1 – Security Guard

1 – EHS Specialist

Mission

It is the mission of the Risk & Safety Department to support all functions of the Orange County Water District to help ensure a safe and healthful workplace. This is accomplished through collaborative, team-oriented methods that identify the optimum compliance strategies in harmony with the activities of the District.

Implement the District's Environmental, Health, Safety (EH&S) and Security Programs to ensure a safer workplace and compliance to regulatory requirements.

Key Issues for FY 2015-16

- Work with new Environmental Health & Safety Specialist to train and orient him/her on District policies, procedures, and processes in order for the new hire to take on projects and responsibilities.

Account Information	FY 2013-14 Actual	FY 2014-15 Budget	FY 2015-16 Proposed Budget
Salaries and Benefits	238,484	248,493	372,195
Services and Supplies	796,969	755,640	749,340
Total	**$1,035,453**	**$1,004,133**	**$1,121,535**

I FY 2015-16 Major New Initiatives/Programs

- Hire new Environmental Health & Safety Specialist.
- Implement first parts of Occupational Safety & Health Management System (OSHMS).
- Implement new Lockout/Tagout program to include training and annual audit.
- Implement new Fall Prevention program to include appropriate fall arrest requirements and training.
- Provide training and communication for newly revised safety programs and procedures.
- Provide Security report & recommendations.
- Prepare RFP for security system.

II Core Activities

Risk & Safety will work with Management to implement the Management Leadership and employee participation of the Occupational Safety & Health Management System to ensure continual improvement and to reduce lost time and lost resources due to work related injuries. Elements of the OSHMS include:

- Management leadership and employee participation
- Planning
- Implementation of Occupational Safety & Health Management System (OSHMS)
- Evaluation and corrective action
- Management Review

Core activities include:

- Communicate OHSMS to management and coordinate communication process.
- Communicate to Safety Committee and coordinate with members for input to ensure successful implementation and outcome.
- Develop a planning process to help the District systematically prioritize OSHMS issues, establish appropriate objectives, and devise a plan to meet the established objectives. This includes departmental hazard analysis to identify potential and existing hazards/exposures and to identifying control measures.

- Respond to on-going issues and concerns related to EH&S and Security.
- Prepare and submit annual Fire Department Business plans for Anaheim, Fountain Valley, and Prado locations.
- Manage environmental program to ensure applicable documentation, fees and permits are completed in a timely manner.
- Conduct Ergonomic assessments and provide recommendations to reduce risks of injuries and to increase productivity.
- Manage the Prescription Eye Wear Program to ensure applicable employees receive their prescription safety glasses.
- Manage the Safety Shoe Program to ensure applicable employees receive their safety shoes.
- Active involvement in Safety Organizations to remain apprised on regulatory issues and Industry Best Practices.
- Manage Workers' Compensation program to ensure proper documentation and follow up.
- Evaluate and procure needed safety/security supplies/equipment.
- Support the Hazardous Waste program.
- Manage security guard at FHQ and intern at Fountain Valley.
- Update safety website for easy accessibility to procedures, forms and other EH&S information.
- Evaluate and purchase Emergency Response Team (ERT) supplies and conduct drills.

III Non-Core Activities

Non-core activities (secondary priority compared to core activities) include:

- Participate as Board member and President for PASMA (Public Agency Safety Management Association).
- Attend ASSE meetings and conference.
- Participate in WUSMA (water agency group).

IV Group Goals for FY 2015-16

- Work with Management, IS, Field, Engineering, and vendor(s) to identify security needs for FHQ.
- Develop a Safety Committee Charter and work with a Safety Committee task force to brainstorm ideas for increased member involvement.
- Work with HR and vendors to provide training/drills for Emergency Operation Center (EOC).

V Pending Activities

- NIMS training

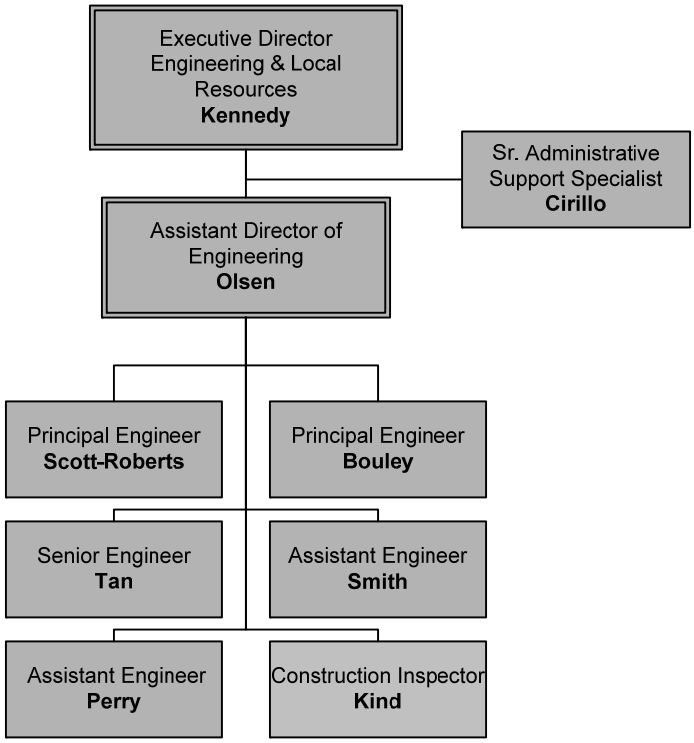
VI Staff Addition Needed for FY 2015-16

None

VII Future Issues

None

ENGINEERING



Summary Information

Existing Staff - 8 FTE

1 – Assistant Director of Engineering
2 – Principal Engineer
1 – Senior Engineer
2 – Assistant Engineers
1 – Construction Inspector II
1 – Senior Administrative Support Specialist

Mission

Plan, design, and manage the construction of the District's improvement projects.

Key issues for FY 2015-16

- Burris Pump Station Improvements – The Burris pump station is a critical facility for OCWD. The pump station moves water captured along the Santa Ana River to recharge in the Santiago Basins. These facilities allow OCWD to recharge 36,000 AFY.

- Phase I, construction of a coffer dam was completed in FY 13-14, and the Phase II, construction of the pump station is underway. The construction is scheduled to be complete in October of 2016.
- La Palma Recharge Basin – This project involves construction of a new 17 acre recharge basin adjacent to OCWD's existing recharge facilities in Anaheim. Design work for this project is expected to be complete early FY 2015-16 and construction should immediately follow. It is anticipated that construction would be complete in FY 15-16.
- Fletcher Recharge Basin – This project involves improving an existing OC Flood Control detention basin to utilize for groundwater recharge. This project is under construction is expected to be completed in FY 15-16.

- Imperial Headgates and Weir Pond Rehabilitation Project – The Headgate facilities are used to measure flow rates into the Weir Pond System and to keep debris from entering into the recharge system. The facilities are failing with age and require replacement. The Weir Ponds will be reconfigured to maximize the desilting capability. The design is complete and construction will take place during FY 14-15.
- Alamitos Barrier Improvements – This is a joint project between Engineering, Hydrogeology and Planning to develop improvements to the Alamitos Barrier to strengthen the control of seawater intrusion. Design of the additional injection wells has been completed and construction began in FY 14-15 and will continue throughout FY 15-16.

Account Information	FY 2013-14 Actual	FY 2014-15 Budget	FY 2015-16 Proposed Budget
Salaries and Benefits	804,335	671,820	750,242
Services and Supplies	49,164	130,400	88,950
Total	**$853,499**	**$802,220**	**$839,192**

I FY 2015-16 Major New Initiatives/Programs

- Mid Basin Expansion Project - With the Demonstration Mid Basin Injection Project complete and injecting GWRS water into the groundwater basin, the environmental documentation for four injection wells and conveyance pipeline to be located in Santa Ana's Centennial Park will begin.
- Santiago Saddle Repair - This project involves the repair and stabilization of the saddle between Blue Diamond and Bond Pit and includes surrounding slope stabilization work at several locations. Design was completed in FY 14-15 and construction will take place in FY 15-16.

- Cathodic Protection –Recent testing and investigation indicate that several existing pipeline segments, such as the GAP and Talbert Barrier, are without adequate cathodic protection. Evaluation and design are required to determine the extent of construction necessary.
- Center Levee CMP Repairs – This project involves improving the structural integrity of existing corrugated metal transfer pipes (CMP). There are four locations where the CMP is showing signs of corrosion and need to be lined to extend the life of the pipe. This work would be done over the next few years starting in FY 15-16.

II Core Activities

The Engineering Department is responsible for planning, design and construction management of the District's improvement projects. Projects range from small in-house modifications for existing facilities to major water treatment, pumping and conveyance facilities including the GWR System. Engineering staff may perform the planning, design and construction management or may manage outside consultants performing these functions. Departmental staff provides engineering support as needed for the daily operations of the District, including Water Production, Forebay Recharge, Prado Operations, Seawater Barrier Operations and Property Management. Engineering staff also review proposed projects of other agencies that may impact District operations or lands.

Core activities include:

- Implementing the Capital Improvement Program
- Implementing the repair and replacement of District infrastructure
- Planning new projects to increase the yield of the basin and protect water quality
- Supporting operations of Forebay, Prado Wetlands, Green Acres Plant, GWRS, and Seawater Intrusion Barriers.
- Data analysis of operations
- Permit compliance support
- Operational improvement input
- Facility improvement construction
- Utility conflict analysis and research
- Preparation of Annual Engineer's Report
- Manage District's as-built drawings
- Support for the Recharge Enhancement Working Group (REWG)

III Non-Core Activities

Non-core activities (secondary priority compared to core activities) conducted by the Engineering group include:

- Monitoring outside water reuse project operational activities
- Monitoring regulations and legislative affairs activities of WateReuse Organization
- Publishing operational data in journals and conference proceedings
- Participation in technical review committees

IV Group Goals for FY 2015-16

- Prado Sediment Demonstration Project – Staff obtained necessary regulatory approvals in FY14-15 and pre-design is complete. Final design is expected to be completed at the beginning of FY 15-16 and construction should begin in the fall of 2015.
- Conrock – Warner Transfer Tube Replacement – The lower transfer tubes convey water from Conrock to Warner Basin during basin refills and allow quick draining of Conrock Basin during dewatering events. The tubes have deteriorated, are undersized and in need of replacement. Design work is expected to begin in FY 15-16 followed by construction the next fiscal year.
- Five Coves and Lincoln Basins Bypass Pipeline – Design of these facilities is complete and construction activities are scheduled for FY 14-15. The facility will provide greater operational flexibility for recharge operations and allow for more frequent cleaning of these areas to further enhance recharge.

V Pending Activities

None

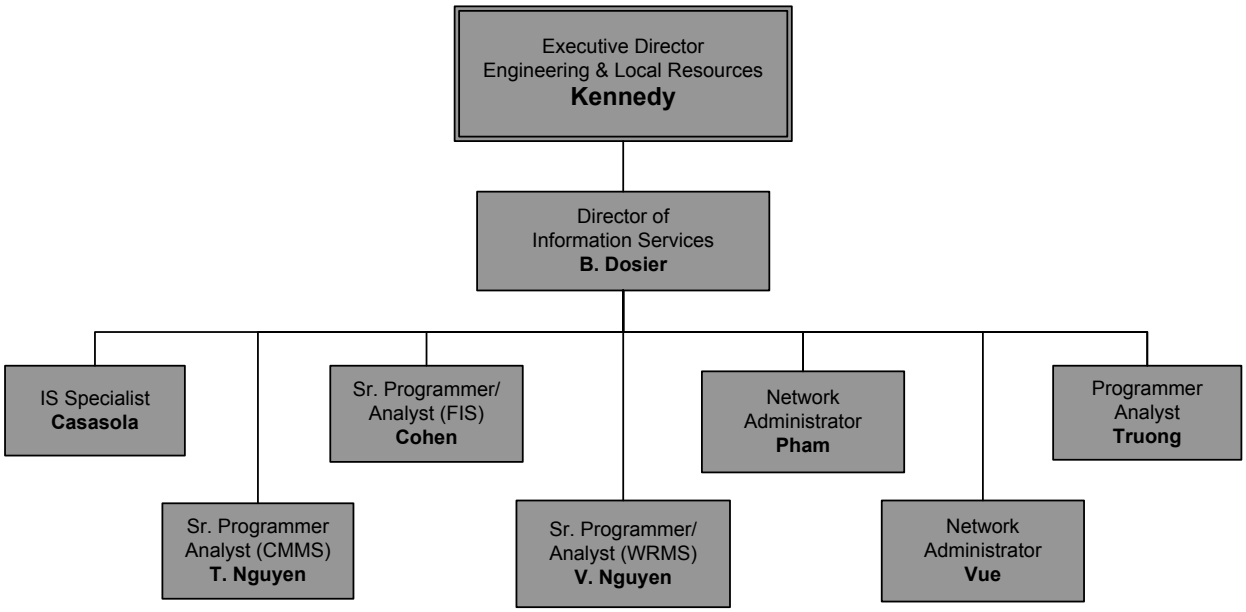
VI Staff Addition Needed for FY 2015-16

None

VII Future Issues

- Implementation of Recharge Enhancement Working Group Projects
- Expansion of Mid Basin Injection

INFORMATION SERVICES



SUMMARY INFORMATION

Existing Staff - 8 FTEs

- 1 – Director of Information Services
- 3 – Senior Programmer/Analysts
- 1 – Programmer/Analyst
- 2 – Network Administrators
- 1 – Information Services Specialist

Mission

Manage and support information systems (IS), services, and communications assets used by District staff and third parties in support of basin management goals and objectives.

Key Issues for FY 2015-16

- ♦ Upgrading of IBM Maximo Asset Management System (Maximo);
- ♦ Selection and implementation of a new Laboratory Information System (LIMS);
- ♦ Replacement of file servers running obsolete operating systems;

- Replacement of obsolete network hardware;
- Implementation of additional network and system security to address increasing security threats;
- Implementation of additional disaster recovery capabilities to improve recovery time objectives;
- Optimization of IS Operations;
- Supporting obsolete hardware and software for litigation support;
- Training staff to implement and support newer systems and keeping up with fast-moving Information Systems trends;

Account Information	FY 2013-14 Actual	FY 2014-15 Budget	FY 2015-16 Proposed Budget
Salaries and Benefits	1,138,568	1,183,932	1,048,882
Services and Supplies	604,022	723,600	859,000
Total	**$1,742,590**	**$1,907,532**	**$1,907,882**

I FY 2015-16 Major New Initiatives/Programs

- Maximo System upgrade:
  - Maximo is the Computerized Maintenance Management System used by Water Production to manage the assets and maintenance requirements of the Advanced Water Purification Facilities (AWPF); the current version 5.2 is no longer supported by IBM as of October 2010.
  - Since Maximo and JD Edwards Financial System are programmatically integrated, upgrading the Maximo system will have impacts on the integration and will require revision of the integration methods and systems.
  - Due to obsolescence of the server hardware used by Maximo, system upgrade will require the implementation of new server hardware for these systems.
  - To support improved disaster recovery, replace the Oracle Database for AIX with Oracle Database for Windows and utilize virtualization of file server hardware with disk replication and disaster recovery procedures.
- Replace and/or consolidate obsolete and end-of-life Windows 2003 file servers with more current and secure version of Microsoft Windows file servers; Eliminate old IBM AIX servers completely;
- Replace obsolete and end-of-life Cisco network, Wi-Fi and security hardware with more current and secure hardware;
- Continued implementation of a file server infrastructure leveraging the use of virtualized file servers, network shared data storage and optimized disk-to-

disk and tape backup methods in support of current data center best practices and file server consolidation;

- Audit Information Services system security and implement improvements;
- Develop policies that govern the implementation, use and security of Information Services;
- Update operational procedures to reflect current hardware and software;
- Develop separate "Litigation Support Network" for obsolete hardware and software that the District is required to maintain as a result of ongoing groundwater contamination litigation;
  - Some of the older hardware, operating systems and software required by the litigation prevent the District business network from being upgraded with more current and secure network infrastructure.
- Support the Laboratory in the selection and implementation of a new LIMS;
- Increase focus on training for Information Services staff.

II Core Activities

IS is a staff support organization that manages and supports District information systems, services and communication assets used by District staff and third-parties in support of basin management goals and objectives.

Core activities include:

- **Network support:** Managing and supporting the various components of the enterprise-wide network infrastructure spanning the Fountain Valley, Anaheim and Prado facilities, and composed of Ethernet hubs, routers and switches, WiFi transmitters, and the Ethernet and fiber-optic cabling and data communication services connecting them.
- **Server management:** Managing and supporting Microsoft Windows Servers and IBM AIX based network computer systems that support email, databases, and core enterprise software applications, Intranet, Internet and other information services.
- **Core system support:** Managing, supporting and programming for the District's core enterprise software applications such as the JDE Financial Information System used by the Finance and other departments for tracking and reporting the financial and purchasing transactions of the District, the Water Resource Management System (WRMS) used for tracking, analyzing and mapping data collected from the District basin, the Computerized Maintenance Management System (Maximo) used by Water Production to manage the maintenance requirements of the AWPF and the Lab Information System (LIMS) used by the Laboratory to track water samples from the District basin and for complying with regulatory reporting.

- **Operations:** Performing routine and non-routine systems operations including network and server system administration, managing user accounts, managing server disk space and load balancing, performing daily, weekly and monthly computer system backups and restores, and telephone system administration.
- **System maintenance:** Performing system maintenance, repairs and upgrades for network and servers, desktop and laptop computers as well as managing maintenance and license agreements for District hardware, software and information services.
- **Projects:** Managing, supporting and programming for interdepartmental projects including special, short-term computer system projects for various departments. IS also provides analytical, programming, technical and training support to those who use District information systems.
- **Staff support:** Providing support to District staff for network and server issues, core enterprise software applications, email systems, Microsoft Office software, desktop and laptop computers and a variety of other digital mobile equipment including iPads, iPhones and digital cameras.
- **Telecommunications:** Managing and supporting voice and data communication services including the Cisco Voice over Internet Protocol (VoIP) telephone and voicemail system, all communication equipment and lines connecting the District to various telephone system carriers, voice and data service contracts and District-issued cell phones and smartphones. IS also manages and supports the enterprise-wide data lines connecting the Anaheim and Prado facilities with the Fountain Valley campus, various telemetry locations throughout the basin and internet connectivity to District staff and third parties.
- **System security:** Ongoing management of system security including administration of an appropriate level of firewall protection to prevent unauthorized intrusion to the District network from the Internet, the administration and monitoring of centralized, District-wide anti-malware software and services to prevent the spread of destructive and non-destructive computer viruses and “spam” email. As new forms of security threats emerge on the Internet, IS analyzes the risk and determines the appropriate steps and actions necessary to respond.
- **Audio/Visual:** Managing and supporting the District’s sophisticated network controlled multi-component audio-visual equipment composed of LED screens, amplifiers, switchers, transmitters, receivers and control devices.

III Non-Core Activities

- Supporting District staff with graphic design, photography and video services;

IV Group Goals for FY 2015-16

- **Upgrade Maximo:** Upgrade of Maximo and the integration components with JD Edwards. As part of this goal, convert the Oracle database servers

currently used on IBM AIX systems to the Windows Server platform in order to reduce complexity and costs, and to improve disaster recovery.

- **Replace Obsolete File Servers:** Replace and/or consolidate obsolete and end-of-life Windows 2003 file servers with more current and secure version of Microsoft Windows file servers; Eliminate old IBM AIX servers completely;
- **Optimize File Server Infrastructure:** Continued implementation of file server infrastructure leveraging the use of virtualized files servers, network shared data storage and optimized disk-to-disk and tape backup methods in support of server optimization best practices, file server consolidation, and reduced complexity.
- **Replace Obsolete Network Hardware:** Replace obsolete and end-of-life Cisco network, Wi-Fi and security hardware with more current and faster hardware utilizing up-to-date security protocols.
- **Improve Disaster Recovery Capability:** Upgrade systems as appropriate to operating systems and hardware that can be replicated to improve recoverability in case of physical damage to District facilities. Such systems include JD Edwards, Maximo, WRMS, email system. Assess including disaster recovery capabilities for the Forebay Operations Supervisory Control and Data Acquisition (SCADA) system and the AWPF Delta V process control system.
- **Develop Information Services Technology Plan:** Develop a 5-year Information Services Technology Plan that addresses strategic and tactical planning for District Information Systems and Services.
- **Develop System Policies:** Develop system and security policies.
- **Develop System Documentation:** Revise system operations procedures and documentation to address more current hardware and software in use by District.
- **Provide Litigation Support:** Provide reports and databases as requested for District litigation. Develop a litigation support network that replicates the District's production business network for migration of obsolete hardware and software versions to support litigation requests for data from prior years. This is necessary as keeping the obsolete versions on the production business network limits the ability to upgrade it and provide more current user and security functionality.

V Pending Activities

Major activities that are not being implemented include:

- Information Services does provides little to no support of the Forebay SCADA system and the AWPF Delta V process control system.

VI Staff Addition Needed for FY 2015-16

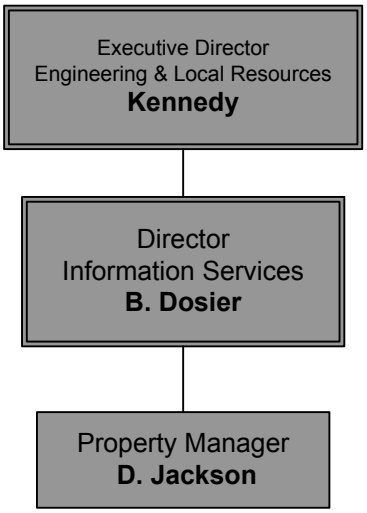
None

VII Future Issues

In the next two to three years, issues the District will need to consider include:

- ***Increased disk storage, backup and disaster recovery requirements:*** With new systems and technology, the IS staff will continue to be challenged with evaluating new methods and systems of data storage, backups and disaster recovery methods.
- ***Increased Internet security threats:*** Measures to provide security against emerging Internet threats continue to increase resulting in dedicating additional hardware, software and staff resources to address the emerging security issues.
- ***Audiovisual replacement:*** The audiovisual equipment was installed in the Boardroom and the Conference rooms in 2012 and will require reviewing for possible replacement.
- ***Email system upgrade:*** The email system will be due for an upgrade to include newer features such as archiving and litigation hold of messages and improved security.
- ***Phone system replacement/upgrade:*** The core phone system hardware and software will reach end-of-life and will require upgrading.

PROPERTY MANAGEMENT



Summary Information

Existing Staff - 1 FTE

1 – Property Manager

Mission

To manage the District's real estate assets in a manner that provides revenue to the District and preserves or adds value to the assets while supporting basin management objectives.

Key issues for FY 2015-16

- Approval of General Plan Amendment and Zone Change for Ball Road Basin
- Expiration of Lease to Mike Raahauge Shooting Enterprises (Shooting Facility)
- Increased requests from other agencies for use of District land

Account Information	FY 2013-14 Actual	FY 2014-15 Budget	FY 2015-16 Proposed Budget
Salaries and Benefits	132,294	133,737	133,467
Services and Supplies	176,406	132,318	134,898
Total	**$308,700**	**$266,055**	**$268,365**

I FY 2015-16 Major New Initiatives/Programs

None

II Core Activities

The Property Management Department is primarily responsible for managing over 3,700 acres of the District's real estate assets, negotiating and managing licenses, leases, easements and deeds for use of the District's real estate assets by other parties including local and state agencies, protecting the District's property rights, processing land use entitlements to add value to the assets, acquiring real estate, property rights and rights-of-ways for use as recharge basins, well-sites, pipelines or other uses in support of basin management goals and objectives.

Core activities include:

- **Property Management**: includes administrative management of District real estate including inspections, fire department vegetation control and neighbor interaction.
- **Developing Property Use Agreements:** includes negotiating and managing licenses, leases, easements, rights-of-ways and exclusive negotiating agreements with other parties; monitoring collected rents and fees and agreement compliance auditing.
- **Maintaining Property Rights**: coordination with staff, local, state and federal agencies and law enforcement to keep District land free of hazards and trespassers and by securing property with fencing, locks, and gates; posting "No Trespassing" signs and other signage as appropriate; verifying District property boundary lines to determine if trespassing or encroachment is occurring on District property. Monitoring Land Use and zoning modifications by municipalities and assessing impacts on District real estate.
- **Managing Real Estate Acquisitions and Sales**: includes managing the acquisition or sale process for real estate or property rights; negotiating purchase agreements, real estate broker agreements and other related documents and agreement for new well sites and new construction projects; acquiring and evaluating appraisals and title reports; involves determining legal descriptions, property owners and rights to be acquired.
- **Managing Land Use Entitlements**: includes managing the Land Use Entitlement process such as Zoning and General Plan changes with appropriate cities.
- **Coordinating Property Management Committee**: development of agendas for the monthly Property Management Committee meetings of the Board of Directors including writing all staff reports.

III Non-Core Activities

Non-core activities (secondary priority compared to core activities) conducted by the Property Management group include:

- Providing data and information to outside agencies and organizations.

IV Group Goals for FY 2015-16

- **Negotiate terms for expiring leases:** Raahauge Shooting Lease: Review the Mike Raahauge Shooting Enterprises Lease to determine appropriate modifications before it terminates in FY 2015-16 (terminates December 31, 2015).
- **Assistance on property issues for new wells and new construction sites:** Assist Hydrogeology and Engineering groups with acquiring easements for wells and facilities for the North Basin Groundwater Protection Project, Mid-Basin Injection Project, and other projects with site access needs.
- **Development of properties:** continued work on developing properties for long-term revenue generation including the Ball Road Basin Property (continue work with the City of Anaheim in advancing the General Plan Amendment and Zone Change process with the City).
- **Oil and Mineral Rights:** Continued assessment of District's oil and mineral rights and exploring potential interest in development.
- **Anaheim Coves Extension:** work with the City of Anaheim in development of the City's planned park in the District's Five Coves property.
- **Prado Properties:** Explore potential acquisition of property adjacent to District Prado properties in Riverside and San Bernardino counties.
- **Caltrans Properties at Imperial Highway:** Evaluate Caltrans decertification work and if appropriate, pursue negotiations with Caltrans for the parcel adjacent to the District's Imperial Highway property.
- **Anaheim Green Connectivity Master Plan and Canyons Specific Plan Update:** Work with City of Anaheim in the development of the City's plan updates where the District's properties are at interest.
- **Santa Ana River Trail:** Coordinate activities with the County of Riverside, City of Corona and other participating agencies in the development of the Santa Ana River Trail (SART) project as it relates to the District's Prado properties.
- **La Palma Basin:** Work with La Palma/Miller Owner LLC (Panattoni) during development of the La Palma Basin and Panattoni's adjacent property.
- **Yorba Linda Water District:** Negotiate lease for Board review with Yorba Linda Water District for the lease of land at Huckleberry Pond for Water Well No. 22 and pipeline.

V Pending Activities

Major activities that are reduced, not being implemented or conducted include:

- Research and pursuit of creative lease opportunities to generate revenue for the District.
- Revision to the District Real Estate Asset book.

- Proactive monitoring of zoning and sphere of influence issues on District property.

VI Staff Addition Needed for FY 2015-16

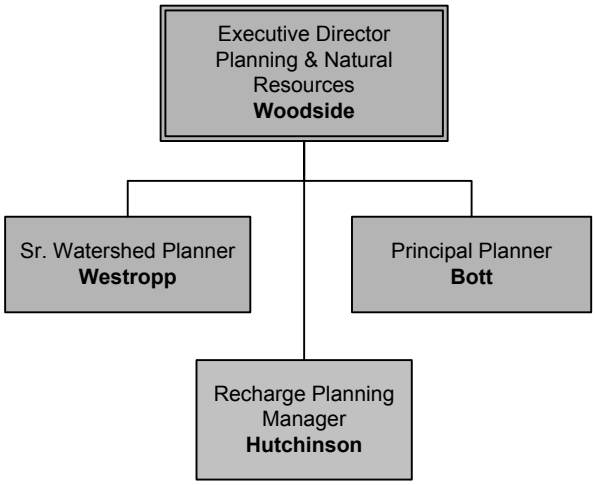
None

VII Future Issues

In the next one to two years, issues the District may need to consider:

- Consideration of other long-term opportunities to lease District land at higher lease rates.

PLANNING AND WATERSHED MANAGEMENT



Summary Information

Existing Staff - 4 FTEs

1 – Executive Director of Planning and Natural Resources
1 – Principal Planner
1 – Senior Watershed Planner
1 – Recharge Planning Manager

Mission

Conduct long-term planning of District's facilities and programs, prepare planning documents and environmental analyses for new projects, secure permits from resources agencies, and implement the District's watershed management programs.

Key Issues for FY 2015-16

- Working with Army Corps to enhance water conservation at Prado Dam.
- Working with Army Corps and other stakeholders to assess long-term sediment management solutions in the Santa Ana River.
- Update Groundwater Management Plan to address new legislation.
- Managing two demonstration projects to test pre-treatment of river water prior to recharge as a means to improve recharge basin performance.
- Watershed Management – Interface with watershed stakeholders. Participate in Basin Monitoring Program Task Force. Monitor activities of Stormwater Quality Standards Task Force and SAR water quality task forces.

Account Information	FY 2013-14 Actual	FY 2014-15 Budget	FY 2015-16 Proposed Budget
Salaries and Benefits	729,132	746,912	760,598
Services and Supplies	508,744	524,100	410,300
Total	**$1,237,876**	**$1,271,012**	**$1,170,898**

I FY 2015-16 Major New Initiatives/Programs

- None

II Core Activities

The Planning and Watershed Management Department is primarily responsible for the District's long-term planning, interfacing with agencies above Prado Dam, watershed management, and preparation of environmental documents.

Core activities include:

- Conducting long-range planning of future activities and facilities at the District.
- Planning new projects to increase the yield of the basin and protect water quality (shared with Engineering and Hydrogeology).
- Protecting the quality and quantity of SAR flows.
- Preparing environmental documents (e.g., Environmental Impacts Reports).
- Securing environmental permits for District projects, such as Army Corps Clean Water Act Section 404 permits and California Department of Fish and Game 1600 permits.
- Maintaining Groundwater Management Plan in compliance with the Sustainable Groundwater Management Act (SGMA) and related compliance requirements for SGMA.
- Evaluating new methods to improve the performance of the District's surface recharge facilities in Anaheim and Orange.
- Interacting, representing, and processing agreements with outside upstream agencies such as SAWPA, upstream agencies, regulatory agencies, etc.
- Interface with watershed stakeholders. Participate in the One Water One Watershed Program facilitated by SAWPA. Monitor activities of Stormwater Quality Standards Task Force. Participate in SAWPA task forces on basinwide water quality. Monitor implementation of stormwater NPDES ("MS4") permits in Orange, Riverside, and San Bernardino Counties. Monitor cleanup of the Stringfellow hazardous waste plume in Riverside County and other contamination sites in the upper watershed that may pose a threat to the Santa Ana River.
- Interfacing with the regulatory agencies and upstream water agencies on issues affecting the SAR.

- Reviewing environmental documents prepared by agencies in the watershed with respect to potential impacts on the District's operations and the watershed.

III Non-Core Activities

None

IV Group Goals for FY 2015-16

Prado Basin Feasibility Study– This effort is a joint activity with the Army Corps to evaluate ecosystem restoration and increase the storage level at Prado Dam so that additional water can be stored and subsequently recharged in the District's facilities. This is a multi-year effort with the Army Corps to prepare a Corps' Feasibility Study for ecosystem restoration and water conservation (stormwater capture). The Feasibility Study includes evaluation of increasing the winter-time water conservation from elevation 498 feet to 505 feet. The Study also evaluates sediment management in Prado Basin.

Sediment Management in SAR – The transport and deposition of sand in the SAR is important to maintaining recharge through the SAR river bottom. A sandy river bottom provides high recharge rates and allows the District to construct levees to maximize percolation. Prado Dam traps the majority of sand flowing down the river, reducing the dam's storage capacity and causing negative impacts on the recharge capacity of the riverbed and the District's ability to construct sand levees. The sand deficit below Prado Dam, unless remediated, will cause long-term reductions in the recharge rate of the channel. Work in FY 2015-16 will focus on evaluating regional options to address the issue and working with the Army Corps on the Corps' Prado Basin Feasibility Study. Additionally, staff will assist with implementation of the Prado Basin Sediment Management Pilot project if it is approved by the Board.

Update Groundwater Management Plan – The District most recently updated the Groundwater Management Plan in 2009. The Plan needs to be updated to address the Sustainable Groundwater Management legislation passed by the legislature in 2014. Staff will update the Plan with recent information on water supplies, water quality, management of pumping, and performance of recently completed projects. The draft updated Plan will be reviewed with the Producers and the Board, and then submitted to the Board for approval.

Recharge Facility Planning – The district has several activities focused on maximizing the performance of our existing surface recharge basins in Anaheim and Orange. This effort includes managing the Cloth Filter Demonstration Project and the Riverbed Filtration Demonstration project. These two demonstration projects will pretreat river water prior to recharge as a means to improve performance of existing recharge basins. The tests will run for two to three years to collect performance data over a range of conditions. Staff is also evaluating options to increase the performance of Lincoln Basin and test new

methods to recharge GWRS water. This effort also includes managing the Recharge Enhancement Working Group (REWG).

Santa Ana River Flow Estimates – Potential projects and activities in the upper SAR Watershed can affect the amount of SAR flow that reaches Orange County. Due to water supply changes in California and the southwest United States, agencies throughout the area are proposing new projects that could impact flows in the SAR. Staff will continue to monitor and review proposed projects in the upper watershed with respect to their impact on flow rates in the SAR. Staff will also work with agencies in the upper watershed to evaluate these issues.

Environmental Analyses and Permitting – Environmental analyses are anticipated for new projects, including the Mid-Basin Injection and the South Basin Groundwater Protection Projects.

One Water One Watershed Program (OWOW) – Continue participation in the program being facilitated by SAWPA to update the Integrated Regional Water Management Plan and assist with preparation of project submittals for funding through Proposition 84 Round 3.

Watershed Management – Participate in task forces administered by SAWPA, including:

- Basin Monitoring Program Task Force
- Salinity Management and Imported Water Recharge Workgroup
- Stormwater Quality Standards Task Force
- Middle Santa Ana River Bacterial Indicators TMDL

Monitor implementation of stormwater NPDES permits in Orange, Riverside, and San Bernardino Counties. A new stormwater NPDES permit will be approved in 2015 for Orange County and staff will work with the County of Orange regarding the potential to develop regional infiltration projects through the new permit. Participate in implementation of watershed plans for Central Orange County and North Orange County Watershed Management Areas. Monitor activities in the Chino Groundwater Basin and implementation of 'hydraulic control' in the Chino Basin.

V Pending Activities

Major activities that are not being implemented include:

- Strategic Plan revisions

VI Staff Addition Needed for FY 2015-16

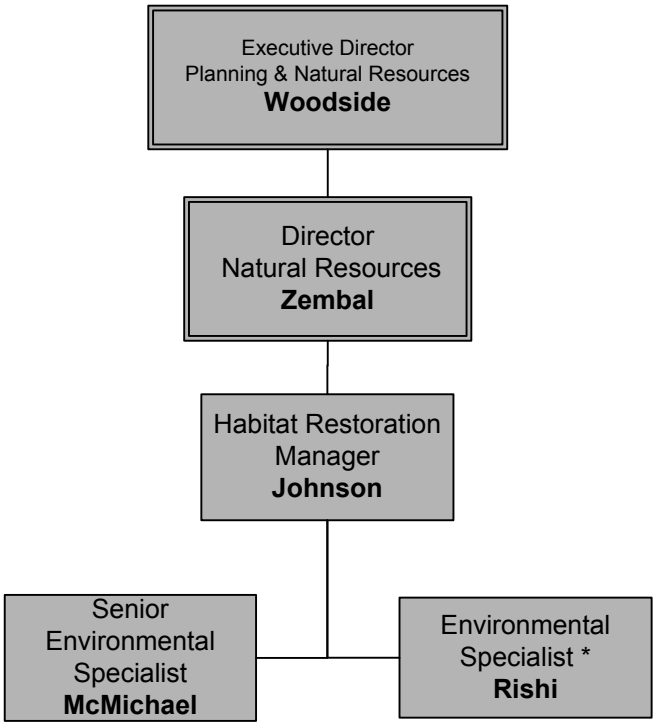
None

VII Future Issues

In the next two to three years, issues the District will need to consider include:

- The District currently holds rights to divert and recharge 362,000 afy of Santa Ana River water. In its water rights decision that appropriated 362,000 afy of river water to the District, the State Water Resources Control Board determined that it would hold in abeyance an additional 143,000 afy associated with potential long-term projects that the District could construct. The State Board determined that it would hold the additional 143,000 afy in abeyance until 2023. The District needs to consider the long-term activities that should be implemented to maximize the District's ultimate water right.

NATURAL RESOURCES



Summary Information

Existing Staff – 3.5 FTEs

1 ─ Director of Natural Resources

1 ─ Habitat Restoration Manager (Principal Environmental Specialist)

1 ─ Senior Environmental Specialist

0.5 – Environmental Specialist (* Cost Shared 50% with SAWA)

Mission

Manage natural resources in the Santa Ana River Watershed to improve water quality, water supply, and habitat in fulfillment of OCWD mitigation responsibilities; help maintain Arundo-free a minimum of 5,000 acres of former Arundo on the Santa Ana River generating a minimum of 18,750 acre-feet of water valued at $8,437,500 annually.

Key issues for FY 2015-16

- Continue partnerships for additional Arundo control on the SAR while raising public awareness of the issues and benefits.
- Assist in the preparation of permit applications and negotiate conditions cooperatively with engineering staffs and others for various District projects including Sediment Management in Prado Basin, water conservation, Burris Basin, and District activities including RGP implementation and monitoring.

- Coordinate with Army Corps and resource agencies regarding Enhanced Water Conservation in Prado Basin including deviation requests while environmental documentation and permits are pending.
- Represent the District on the Santa Ana Watershed Association Board and on various other task forces and planning groups such as the Santa Ana Sucker Conservation Team.
- Oversee endangered bird monitoring and Natural Resources management efforts in the Prado Basin and other District properties; organize watershed-wide monitoring of select endangered populations, documenting the annual population status of the largest least Bell's vireo population in existence.
- Maintain permits for endangered species work.
- Sucker restoration and other activities as per OCWD - CA Department of Fish and Wildlife Agreement.

Account Information	FY 2013-14 Actual	FY 2014-15 Budget	FY 2015-16 Proposed Budget
Salaries and Benefits	582,153	584,380	573,853
Services and Supplies	291,779	288,750	409,534
Total	**$873,932**	**$873,130**	**$983,387**

I FY 2015-16 Major New Initiatives/Programs

Refine data reporting on OCWD maintenance activities in the recharge area of the river under a Regional General Permit with the U.S. Army Corps of Engineers, and agreements with CA Department of Fish and Wildlife, and California Regional Water Quality Control Board.

II Core Activities

- Managing wildlife habitat and populations as per mitigation requirements and regulatory permit compliance;
- Implement and report sucker conservation, restoration, and native fish establishment efforts;
- Interacting with outside agencies such as the U.S. Fish and Wildlife Service, Army Corps of Engineers (ACOE), SAWPA, the local governmental agencies, etc., in representing OCWD interests in environmental planning;
- Interacting with other departments and regulatory agencies to ensure environmental compliance of District projects and activities;
- Administering and overseeing natural resources management efforts and removal of Arundo and other invasives from the SAR Watershed and;
- Seeking outside funding and administering expenditure of those funds;
- Interfacing with non-governmental organizations in the SAR Watershed;

- Monitor endangered birds on District lands per permit requirements including management of seasonal contractor;
- Santa Ana sucker monitoring and conservation;
- Permit maintenance;
- Oversight and cooperation with contractors, interns, and partners to maximize efficiency in attainment of mission and goals.

III Non-Core Activities

- Monitoring wildlife use of District lands
- Production of educational materials

IV Group Goals for FY 2015-16

Monitor Endangered Bird Populations in the Prado Basin and Watershed – The Department leads the monitoring of endangered birds in the Prado Basin and the SAR Watershed. This activity also keeps the District in compliance with Regulatory Permits for Water Conservation and other District projects. Endangered bird populations will be monitored and managed in the Prado Basin and throughout most of the SAR Watershed.

Santa Ana River Watershed Program – Staff will participate as a member of the governing Board the SAWA, which is the organization removing Arundo throughout the SAR Watershed. The Natural Resources Director will attend regular meetings, prepare, review, and edit various documents including amendments to bylaws, operational procedures, budgets, annual work plan, and reports in directing management activities in the upper watershed.

Mitigation/Habitat Restoration Plans in Prado Basin – Staff will prepare, implement, monitor, and report upon habitat restoration and wildlife populations in compliance with permit conditions for Prado Water Conservation and other District projects.

Ongoing Removal of 5,000 acres of Arundo – Staff will help manage and monitor the efforts to keep Arundo out of the 2,500 acres initially treated with Proposition 13 funding, and that removed before and since.

Negotiate Outside Funding for Arundo Removal – Natural Resources staff will participate in watershed efforts that are controlling Arundo and seek opportunities to bring funding and Arundo control onto OCWD lands in the Prado Basin. Staff will solicit, track, and report funding received and resulting activities.

Prepare Permits for District Projects and Activities – Natural Resources Staff will prepare permit applications and negotiate conditions cooperatively with Engineering, Planning, and staffs of other Departments for various District projects including Prado Sediment Management Study, Enhanced Water Conservation at Prado, Burris Basin, and other facilities as needed.

Participate in Project Planning and Operations – Natural Resources staff will continue to participate cooperatively with other departments in preparation of

environmental documentation and other planning efforts on Santiago Creek, and on all facilities in cooperation with Engineering and Operations.

Educational Material – Natural Resources staff will continue to compile interpretive materials including live-mounted specimens and species reports.

V Pending Activities (Not Being Addressed Due to Insufficient Resources)

Major activities that are not being implemented include:

Clean up of Chino Creek into the Prado Basin – Eucalyptus and several other problematic non-native plants have invaded Chino Creek and are interfering with flood control, water flow, habitat restoration, endangered bird management, etc. The creek is isolated and could be cleaned as a separate unit.

Clean up of Temescal Creek into the Prado Basin – Although most of Temescal Creek has been cleared of Arundo, the area from the concrete-lined section down to the basin has not. This stream section is isolated and could be worked as a separate unit.

Clean up of the Riverside County portion of the Santa Ana Canyon – Orange County is implementing Arundo-control in the canyon, which will help keep the OCWD recharge area more free of debris. However, they are not including the part of the canyon just upstream in Riverside County. Giant reed from this upstream section will re-infest their work areas unless it is removed.

VI Staff Addition Needed for FY 2015-16

None

VII Future Issues

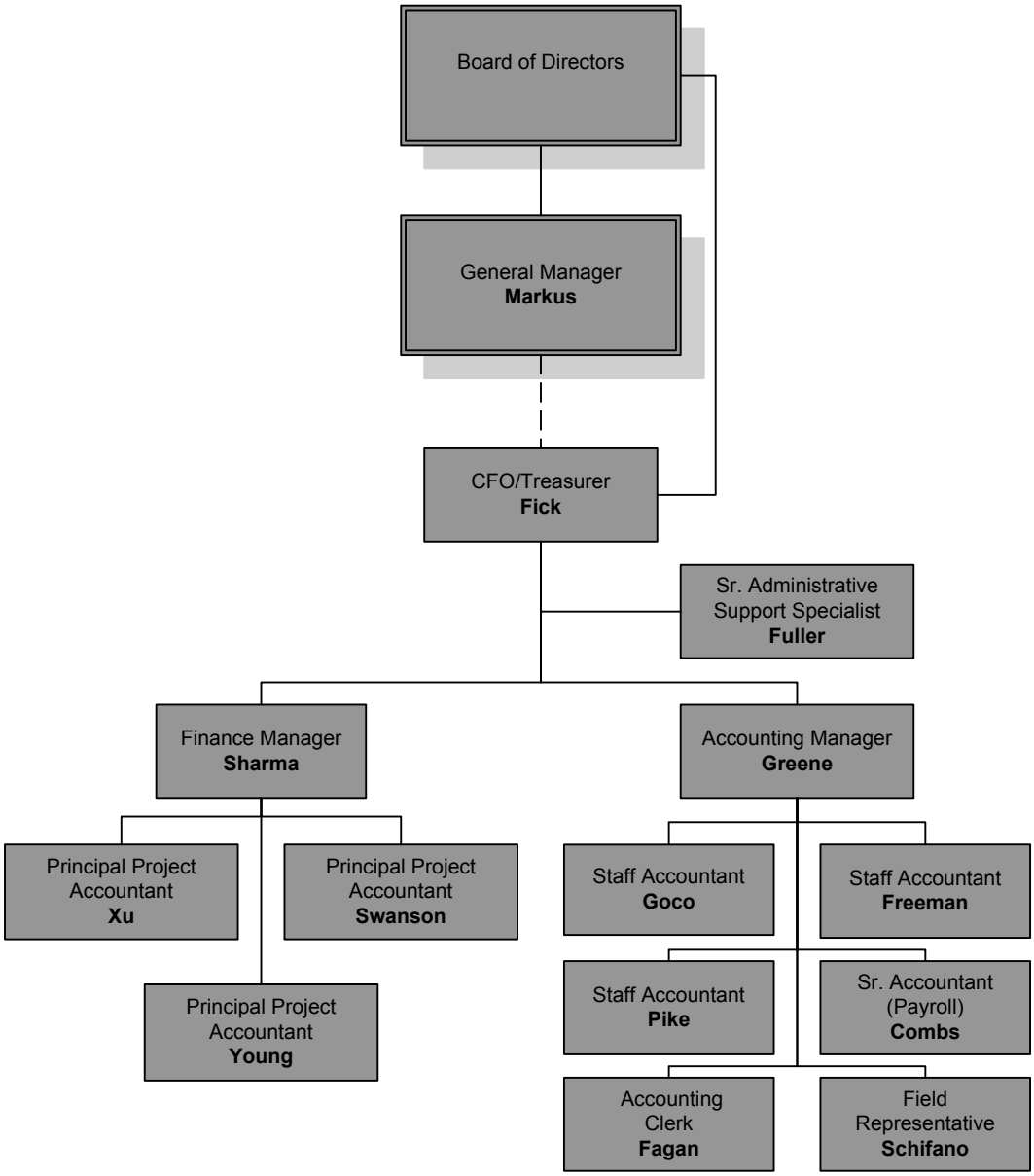
Planning and Implementation Assistance for Prado Feasibility Study – Staff will continue to support study development and implementation.

Full implementation of the SAR Watershed Program – There are still 2,000 or so acres of Arundo, or more to be removed from the watershed. This scale of removal would generate more than 12,000 af of water annually for the District.

Developing additional partnerships to maximize wetlands above the Prado Basin The natural resources managed by the District will be impacted by future flooding affecting our standing and ability to negotiate for future Water Conservation and other District Projects in the Regulatory Arena. Additional natural treatment wetlands, associated riparian habitat, and temporary floodwater retention in the upper watershed will cushion the temporary impacts of these inevitable natural phenomenon and generate Regulatory Capital.

Assist in Development of a Plan for Wildlife Specimens – In preparation for a possible interpretive center associated with a future District Wetland, Natural Resources staffs have assembled an impressive collection of wildlife specimens in life-like poses that will need a home when the hallway visitor's center is built. Staffs will assist in preparing documents and scoping available options.

FINANCE



Summary Information

Existing Staff - 13 FTEs

1 –CFO/Treasurer
1 – Accounting Manager
1 – Finance Manager
3 – Staff Accountants
1 – Senior Accountant (Payroll)
3 – Principal Project Accountants

1 – Accounting Clerk
1 – Senior Administrative Support Specialist
1 – Field Representative/Meter Reader

Mission

Perform the District's accounting, finance and treasury functions.

Key Issues for FY 2015-16

- Issue debt to efficiently fund OCWD's CIP at the lowest possible cost and optimize debt program by refinancing debt to reduce debt service costs.
- Manage OCWD's Investment Portfolio per the Board approved investment policy.
- Continue to build, strengthen, and document internal accounting controls in the District's processes and procedures.
- Review and update existing procedures and establish new procedures that will help expand the group's analysis and reporting capabilities.
- Continue the timely draw down of SWRCB loan funds.
- Submit Comprehensive Annual Financial Report to Government Finance Officers Association for their award program.

Account Information	FY 2013-14 Actuals	FY 2014-15 Budget	FY 2015-16 Proposed Budget
Salaries and Benefits	1,676,131	1,750,918	1,770,182
Services and Supplies	91,439	124,000	148,350
Total	**$1,767,570**	**$1,874,918**	**$1,918,532**

I FY 2015-16 Major New Initiatives/Programs

- Financial planning for material increases in the purchase of imported water should the region continue to experience dry weather conditions.
- Increase rebate earnings from wider use of the District's purchasing card/single - use account program.
- Coordinate testing of the IS department's upgrade of the District's accounting software.
- Initiate the full integration of the payroll processing and timekeeping software services.
- Issue RFP to replace current bank letter of credit with Bayern LB in support of the District's commercial paper program. The LC expires in November 2015.
- Help information system department with the upgrade and testing of Maximo maintenance and inventory system.

- Request for proposals for a replacement of the District's current auditing firm that will have completed the District's audit for the last five years.

II Core Activities

The Finance Department is primarily responsible for the District's accounting and treasury functions, as well as working with various internal and external groups and agencies. The core activities of the department are:

- Processing the District's accounts payable and accounts receivable functions.
- Maintaining the general ledger.
- Administering and processing the District's payroll function, including the processing and payment of all related payroll tax payments, employee retirement and benefits payments, and any other employee related costs administered through the payroll function. Prepare to account for the new healthcare legislation affecting payroll and benefits.
- Monitor, track, execute and complete all grant billings for the District's general fund and capital projects.
- Prepare annual budget and provide quarterly budget versus actual variance analysis and reporting.
- Provide semi annual financial ratio analysis.
- Continue to review and update the R&R model.
- Account for and audit various BEA exemption programs.
- Provide monthly water production cost analysis to the water production department.
- Maintain and update weekly rolling cash forecast model.
- Prepare monthly cash and investment holdings report.
- Prepare and update water quality legal cost report on a quarterly basis.
- Processing and calculating the District's Replenishment Assessment (RA) and Basin Equity Assessment (BEA) billings including any special water program billings. This includes ongoing monitoring and reading of all of the meters.
- Completing the financial information necessary for the District's annual Engineer's Report.
- Prepare and submit quarterly sales and use tax returns, and any other financial reporting or compliance reporting as needed as it relates to the District's finances.
- Working with external independent auditors to complete the District's annual fiscal year end audit, pension plan audits, single audits (as necessary),

and work with other outside agency auditors to fulfill any additional audit requirements.

- Complete and submit a CAFR for possible award.
- To monitor, track and report the District's Reserve Funds.
- Prepare and complete all annual reporting for District travel and expense expenditures in a timely manner.
- Managing and investing the District's cash in-house on a daily basis in order to meet District's cash needs. This includes an annual review of the District's investment policy with the Admin/Finance Committee.
- Continue to manage the treasury functions of the District which includes ensuring all debt related payments are made timely for all debt issuances, state loans and commercial paper. In addition, maintain compliance with all continuing disclosure requirements, review and renew all necessary debt administrative services including bank letters of credit, rating agency monitoring, trustee administration and any other debt related maintenance services.
- Debt issuances – to initiate, support, analyze and complete the execution of all necessary debt financings needed for the District's capital projects.
- Continue to review and work with various financial scenarios in order to make recommendations to seek and obtain the most economical financings to support the District's capital projects

III Non-Core Activities

- Cash management for custodial NWRI funds.
- Children's Water Festival Accounting.
- Contract administration and building maintenance billing operations for MWDOC occupancy expenses.

IV Group Goals for FY 2015-16

- Review and update documentation of procedures for all accounting functions.
- Review Producer meter calibration reporting program and procedures.
- Complete monthly closing of the general ledger, and complete all account reconciliations, accruals in a timely manner.
- Complete the annual independent audit and all necessary audit schedules more efficiently in order to complete the year-end audit on a timely basis.
- Review the general ledger and all ledger accounts to ensure that revenues and expenses have been posted properly. This includes analyzing and researching any discrepancies and unusual variances.

- Evaluating ways to streamline processes and to continue to strengthen internal controls throughout the District, in accordance with “Best Practices”.
- Financial modeling to analyze and support the District’s annual RA/BEA rates established and approved by the Board on an annual basis. Ongoing forecasting and projections of revenue and expenses
- Provide project accounting analysis for all of the District’s capital projects and work with all project managers to ensure that all project costs are properly accounted for and are within the project budget. This also reduces the burden currently placed with each project manager to provide financial analysis support for their own projects.
- Record, monitor, and ensure proper accounting for the District’s fixed assets and inventories on a monthly basis, including the proper accounting for depreciation and transferring assets from work in progress as projects are completed.
- Look for refinancing opportunities for an economic benefit to the District
- Complete annual filings and certification of compliance with circular OMB-133 for all grant funding sources when required.
- Manage and audit litigation settlement accounting.
- Review and update all the assets in the R&R model.
- Cross-training of staff in all accounting positions to provide better coverage, and to strengthen accounting internal controls with the ability to “rotate” staff in certain functions.

V Pending Activities

None

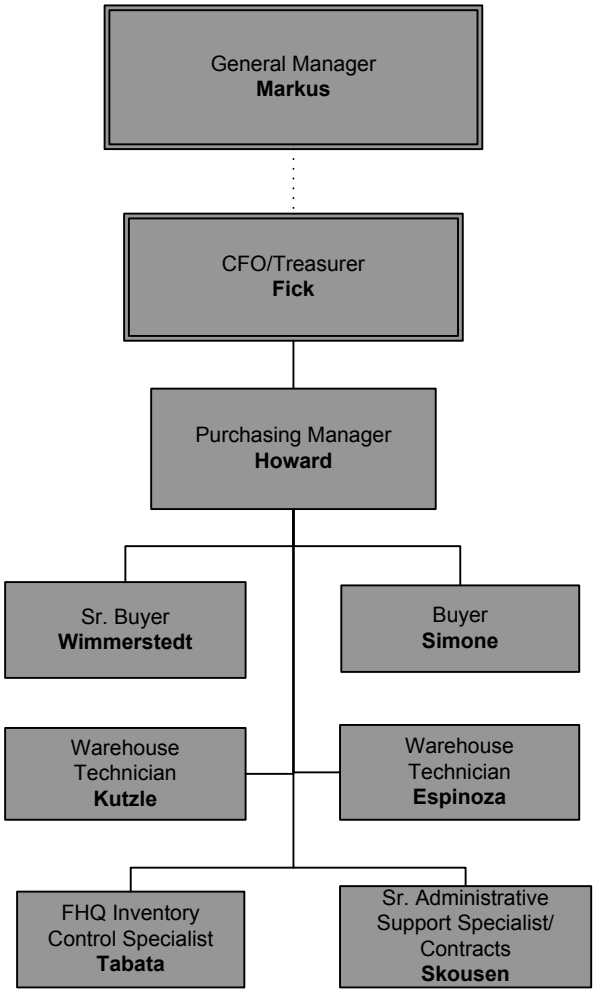
VI Staff Addition Needed for FY 2015-16

None

VII Future Issues

None

PURCHASING



Summary Information

Existing Staff - 7 FTEs

1 – Purchasing Manager

1 – Senior Buyer

1 – Buyer

2 – Warehouse Technicians

1 – FHQ Inventory Control Specialist

1 – Senior Administrative Support Specialist/ Contracts

Mission

The Mission of the Purchasing Department is to procure reliable quality services and products, at a good cost and in a timely manner, using ethical procurement standards, in order to achieve a high level of assistance for the District.

Key Issues for FY 2015-16

None

Account Information	FY 2013-14 Actual	FY 2014-15 Budget	FY 2015-16 Proposed Budget
Salaries and Benefits	695,025	647,558	780,161
Services and Supplies	30,371	25,330	31,930
Total	**$725,396**	**$672,888**	**$812,091**

I FY 2015-16 Major New Initiatives/Programs

- Seek out new vendors offering better pricing and term discounts.
- Ensure pictures are taken of all District assets to ensure they are safe guarded and accounted for.

II Core Activities

The Purchasing Department is responsible for:

- Purchasing goods and services.
- Assisting all work groups with the issuance of request for proposals (RFP) for goods and services.
- Maintaining the warehouse.
- Managing inventory.
- Preparing, processing, and administering District's public works contracts and professional services agreements.
- Maintaining filing system for purchase orders, contracts and professional service agreements.
- Identifying, obtaining Board approval, and disposing of surplus.
- Maintaining records for District vehicles and equipment; assigning District identification numbers.
- Locate new sources for procurement of materials, supplies and services.
- Prepare and issue RFP's for services and products to obtain the best pricing and good quality.
- Meet with each department each quarter to discuss requests and problems to ensure quality service is being provided.
- Meet with the project managers to discuss contracts and professional services agreements so that (1) we are able to process the documents

expeditiously and address the agreement language issues that arise; and (2) give an update on status of the agreements/contracts, as needed.

- Review and update warehouse, purchase order and professional services procedures and improve on receiving activities.
- Check safety procedures for warehouse receiving and storing goods, including chemicals.
- Complete a formal procedures manual to be submitted for approval.
- Assist departments for procurement of department special needs.

III Non-Core Activities

Non-core activities conducted by the Purchasing Department include:

- Meet with purchasing personnel from other water agencies to share information on new vendors, pricing, procedures, etc.
- Attend seminars on procurement and warehousing for updated information to save money while still obtaining quality products.

IV Group Goals for FY 2015-16

- Improve on warehouse procedures and material handling.
- Assessment of all District vehicles – prepare a detailed report and analysis for the General Manager.
- Surplus – research and implement procedure for cost effective disposal of obsolete items.
- Implement procedure for fully electronic purchase orders from requisition to payment.

V Pending Activities

- Preparation of a formal Procedures Manual for Purchasing

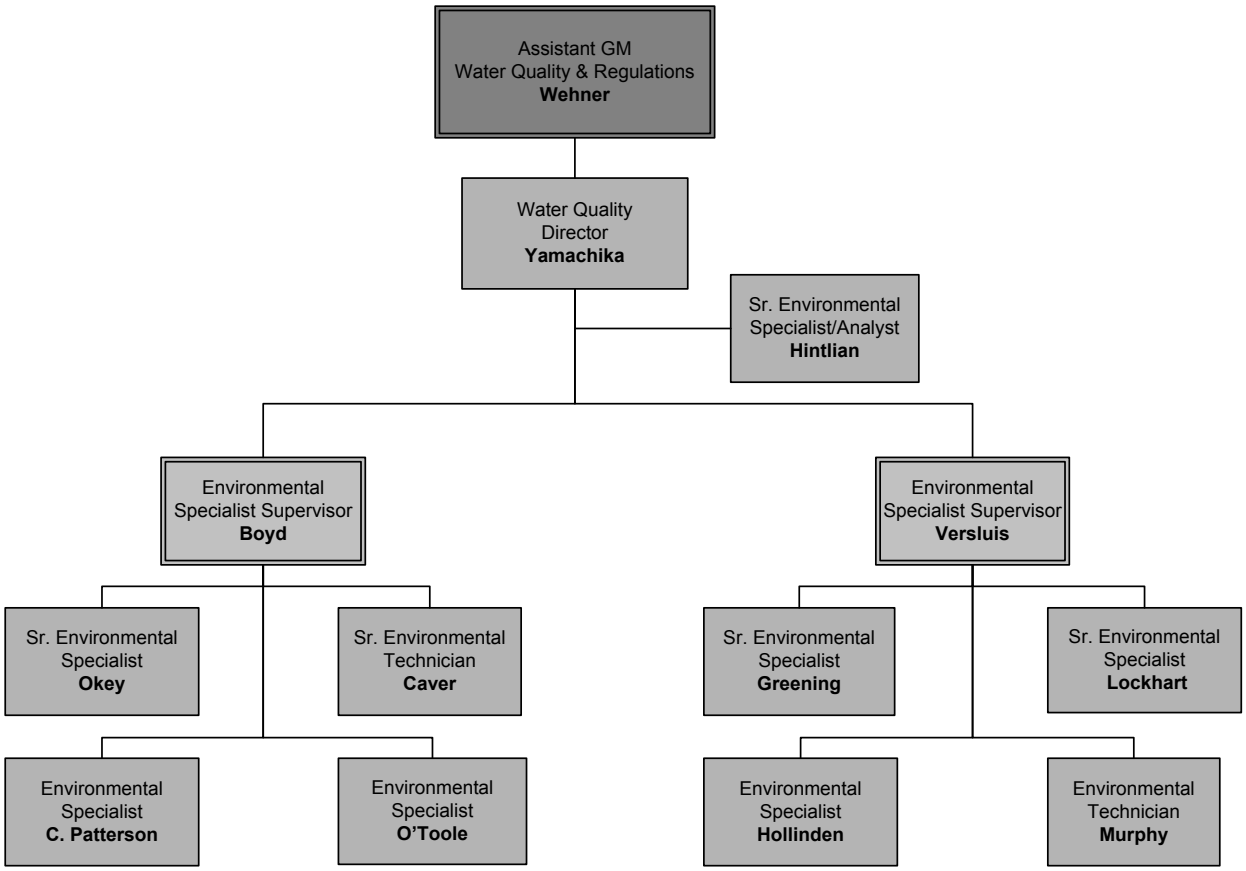
VI Staff Addition Needed for FY 2015-16

None

VII Future Issues

- Additional warehouse space/warehouse cleanup

WATER QUALITY



Summary Information

Existing Staff - 12 FTEs

1 – Water Quality Director
2 – Environmental Specialist Supervisors
1 – Senior Environmental Specialist/Analyst/Administrative Assistant
3 – Senior Environmental Specialists
1 – Senior Environmental Technician
3 – Environmental Specialists
1 – Environmental Technician

Mission

Implement water quality monitoring programs to (1) protect and evaluate basin conditions and (2) comply with regulatory requirements for drinking water wells and the District's NPDES and Water Reclamation permits.

Key Issues for FY 2015-16

- GWR System (GWRS) Monitoring Requirements: Implementing the final product water and groundwater monitoring requirements in compliance with the GWRS permit is a high priority for the department, including assisting with preparation of (1) regulatory quarterly reports, (2) the annual report, and (3) the annual independent advisory panel meeting and supplemental tech memos. Use of the GWRS product water for injection at the Talbert Barrier for seawater intrusion and for surface spreading at Kraemer/Miller/Miraloma basins triggers quarterly monitoring of 35 permit specified groundwater monitoring wells. Meeting monitoring schedules at both the Talbert Barrier and recharge basins take precedence and require close coordination and scheduling with the Laboratory and other WQ programs to ensure maximum efficiency with sample loads and resources. Analytical capacity determines the maximum number of samples per designated week for resource intense extraction methods, which limits the number of sites sampled. An approved (RWQCB, DDW (formerly DPH) and supported by GWRS Independent Advisory Panel) revised/reduced monitoring program commenced in January 2011, which greatly aid resources in both the WQ and Laboratory departments to accommodate new or focused District studies, other regulatory programs, and continuing quarterly comprehensive monitoring at AM-10, the downgradient monitoring well from the future La Palma Basin project that will be receiving GWRS FPW for recharge.
- Federal Unregulated Contaminant Monitoring Rule Phase 3 (UCMR3): On behalf of basin Producers, OCWD has successfully met the monitoring and reporting requirements for the UCMR1 and UCMR2 programs, and completed the second year 2014 UCMR3 monitoring activities. The UCMR3 monitoring program is scheduled over three years and must be completed by December 2015. UCMR3 challenges for the WQ Dept. require close coordination with GWPs and the Laboratory to ensure (1) monitoring schedules are met, (2) all required quality assurance field samples are collected as required by specific methods, and (3) samples are cooled to 10 degrees at time of delivery to the Laboratory.
- North Basin Groundwater Protection Project (NBGPP) – Continue to implement monitoring activities at monitoring wells to track the volatile organics contaminant (VOC) plume and to provide information for the VOC remediation plan in the North Basin area of the District.
- South Basin Groundwater Protection Project (SBGPP): Continue to implement water quality monitoring activities at monitoring wells in southeastern Santa Ana to further investigate the extent of VOCs and perchlorate contamination.
- GWRS Metals Mobilization Study – Use of GWRS water, which is low in salts or total dissolved solids (TDS), for recharge into the groundwater basin may alter existing groundwater physicochemical equilibria. Metals that are currently bound to aquifer sediments may be released when low TDS product

water mixes with ambient established equilibria. With GWRS water delivered to Kraemer/Miller Basin, a monitoring program was initiated as recommended by the GWRS Independent Advisory Panel to analyze for trace metals (arsenic is metal of key concern) from selected wells in the vicinity and downgradient of the basins. Monitoring data show some metals are mobilized along the groundwater recharge flow path. Metals mobilization monitoring will continue downgradient of the recharge facilities that receive FPW (and upcoming new La Palma basin) to evaluate the effectiveness of the blending program, to support monitoring activities for the Stanford metals mobilization research studies, and to assess metals mobilization over a long-term and distance from the recharge basins. In addition, ambient water quality conditions are monitored in the vicinity of the Mid-Basin Injection project to establish a water quality baseline to evaluate metals mobilization post-injection in the future (discussed below). Arsenic mobilization has been observed at selected GWRS monitoring wells located at the Talbert Barrier. Metals mobilization monitoring frequencies (monthly, quarterly, etc.) are dynamic and adjusted as needed with review of incoming new data.

- GWRS Demonstration Mid-Basin Injection Project – The Demonstration Mid-Basin Injection (MBI) project will investigate the feasibility of injecting 100 percent GWR System final product water (one injection well) directly into the Principal aquifer by evaluating water quality located at two downgradient monitoring well sites (total 7 multi-cased wells) and nearby production wells. Data from the demonstration project will support the design and permitting of a future full-scale multi-well MBI project. The purpose of the two monitoring well locations is to monitor the effectiveness of the injection well, to track injection water flow, and monitor water quality downgradient along the groundwater flow path. Each monitoring well site consists of depth specific wells (total of 7 single point wells at two well sites). WQ staff will continue to provide field resources to monitor water quality from these nested multi-depth monitoring wells to provide baseline water quality information and data on groundwater travel times to the nearest downgradient four production wells and water quality at the point of injection to point of extraction. Since 2010, quarterly groundwater samples were collected at the monitoring wells and nearby production wells and tested for a comprehensive suite of analytes to establish baseline conditions prior to injection of GWRS product water. Quarterly monitoring will continue following commencement of FPW injection to evaluate long-term water quality changes, if any. Monitoring wells will serve as future permit compliance locations if the project receives regulatory approval for the full-scale project. Monitoring well SAR-11, located on the SAR levee, was completed in fall 2010; SAR-10 monitoring wells (4 casings) and the injection well (MBI-1) were completed in Spring 2012. The Mid-Basin Injection well is projected to be on-line in winter 2015 and will trigger enhanced monitoring at the nearest downgradient monitoring wells (SAR-10/1-4) to capture arrival of low TDS GWRS FPW.
- OCWD Storm Water Permit – Provide field and technical support for the District's GWRS Industrial Storm Water permit to comply with EPA's National

Pollutant Discharge Elimination System (NPDES) permit covering storm water management, discharges, water quality monitoring, and reporting requirements. Perform monitoring, site inspection tasks, and annual refresher training as approved in the District's Storm Water Pollution Prevention Plan (SWPPP) and WQ monitoring plan. Dry and wet (fall – winter) weather monitoring tasks are required under the permit, including preparation of an annual report.

- Santa Ana River Monitoring Program (SARMON) – Continue to implement a comprehensive surface and groundwater monitoring program recommended by the SARWQH study that includes an annual review and recommendations by the NWRI SARMON Independent Science Advisory Panel (IAP), including subcommittee members of GWRS IAP. Monitoring activities include sites on the Santa Ana River, Anaheim Lake, Santiago Basin, and selected downgradient monitoring wells from the recharge basins to provide data on travel time and to assess water quality changes. Monitoring activities are revised based on previous findings, including evaluating occurrence of Contaminants of Emerging Concern (CEC). In addition, flow into and out of the District's Prado basin wetlands are monitored to evaluate changes in water quality and to evaluate the effectiveness of the wetlands for treatment. Technical tasks include assisting with preparation of (1) the annual report summarizing SAR monitoring results for data collected from July 2015 through June 2016 and (2) presentations for the NWRI's IAP annual meeting. Continue to prepare and implement relevant monitoring programs for FY 2015-16 based on the 2014 IAP recommendations, as appropriate.
- Stormwater Infiltration Study – In late 2010, Anaheim commenced a two year stormwater quality study approved by the SWRCB/RWQCB to assess the potential impacts to groundwater quality due to infiltration of stormwater. Water quality monitoring from the 2010-12 sampling events provided results from (1) stormwater run-off, (2) after treatment (absorbent filter and settling basin), (3) shallow infiltrated water collected from lysimeters at several depths, and (4) groundwater at two downgradient monitoring well locations. OCWD WQ staff continues to perform quarterly monitoring at the two monitoring wells to assess groundwater water quality changes from past seasons of stormwater infiltration. Monitoring was performed in FY 2014-15 and will continue in FY 2015-16. Results of the study and post-study groundwater monitoring will provide valuable WQ information to evaluate future on-site stormwater infiltration projects and the potential impacts to groundwater.
- Seawater Intrusion Program – Groundwater monitoring data indicate that seawater intrusion is migrating landward in the Sunset Gap and impacting a nearby Huntington Beach drinking water well. In FY 2014-15, Hydrogeology proposed 8 nested monitoring wells (total 38 well casings) and eleven single point wells in the Sunset and Bolsa Gaps to fill data gaps for assessing seawater intrusion. Fifteen monitoring wells will be destroyed that are obstructed and/or have well casing integrity issues (~50 years old constructed in saline environment). Four new monitoring wells were constructed late 2014

and the remaining wells will be completed in 2015 and added to the seawater intrusion semi-annual monitoring program to better understand and delineate the seawater intrusion in these areas. Water levels will be measured bi-monthly to supplement water quality data.

- Riverbed Sediment Removal Studies – Construction of the subsurface collection system for the Riverbed Filtration Demonstration project was completed in 2014 to assess the effectiveness of sediment removal to increase percolation at Olive Basin. The project is located in the Forebay area (off-river area and adjacent to Olive Basin) with baseline water quality monitoring initiated in 2014 at the deepest monitoring well constructed adjacent to the Olive basin to establish ambient conditions before project implementation. The monitoring goal is to assess the overall water quality changes pre-, post-treatment, and after percolation as measured by water quality in the nearest monitoring wells (AM-51/1 and AM-51A/1). Project demonstration activities will commence with the first significant storm event (2015) to provide real-time data for project evaluation.
- East Newport Mesa Area and UCI-Marsh Well: Two areas of the basin have water quality data gaps that provide uncertainties with delineating aquifer correlations and constructing the annual Shallow aquifer water level (WL) contour maps. Hydrogeology will be converting the existing UCI-Marsh well to a single-point monitoring well. Two new shallow wells adjacent to the UCI-Marsh well were drilled early 2015. Water quality and water level data will aid in delineating saline intrusion towards MCWD/IRWD wells, assist with geologic correlations in east Newport Mesa and SW Irvine area, and help fill in data gaps to construct the annual Shallow aquifer WL contour map. Similarly, in the East Newport Mesa area there is a large data gap for constructing the annual Shallow aquifer WL contour map, potential existence of an Alpha/Beta mergence zone, and better understanding of the hydrogeology in the area (e.g., groundwater flow paths, etc.). Monitoring wells were constructed in strategic locations to provide water quality, water level, and geologic information. Monitoring activities commenced late 2014 - early 2015 and will be added to the coastal semi-annual monitoring program.
- Prado Open Water Unit Process (POWUP) Wetlands Project: The POWUP research project is a collaboration between OCWD and the ReNUWIt National Science Foundation (NSF) Engineering Research Center (ERC) to evaluate an open pond design to treat SAR water compared to a vegetated (bulrushes and cattail plants) wetlands configuration. The two year study will include monitoring the periphyton wetland bottom community layer and water quality monitoring covering microbial, inorganic and organic analyses. Samples will be analyzed by Berkeley, Colorado School Mines, Stanford and OCWD. The purpose of the Prado research project is to evaluate alternative methods of wetlands treatment leading to enhanced water quality with reduced operations & maintenance requirements (open ponds vs vegetated). Monitoring activities commenced December 2013 and will continue in FY 2015-16.

- GWRS Focused Studies and Membrane Testing – Continuing from last year and building on current knowledge are planned focused water quality studies to evaluate treatment removal efficiencies and membrane integrity assessment (new and older membranes). Specific studies will focus on specific water quality assessments and may include use of external contract lab support for specific analyses such as bacteriophage monitoring and other microbial testing at specific process points. The department will assist with monitoring tasks and coordination with external lab support, as needed.
- Planning and Coordinating Water Quality/Laboratory Workload: Several challenges facing the department to manage, track, schedule and coordinate the compliance and non-compliance monitoring activities are dependent on (1) Laboratory resources and analytical capacity, (2) GWRS and MBI monitoring activities, (3) Producer drinking water well testing schedules, (4) federal UCMR3 compliance monitoring requirements, and (5) other on-going District projects, research or focused studies, etc. These programs and available resources must be considered in weekly planning and assigning workload. The efficiency of the Water Quality field activities will be dependent on these factors, and resources to initiate monitoring schedules for newly constructed wells or locations for various projects (if approved; see below). Scheduling and coordinating workloads that maximize the Laboratory and Water Quality department's efficiencies are challenging (i.e., maximum samples per extraction methods, etc.) to meet the water quality data information needs for the various compliance and non-compliance monitoring programs and research investigations.
- Monitoring Activities for Other Projects or Investigative Studies: Pending Board approval, commitment or agency agreements (see below) several District projects, investigations or research endeavors have (2012-2015) or will commence that will require field and technical assistance from the Water Quality Department (see below).

Account Information	FY 2013-14 Actual	FY 2014-15 Budget	FY 2015-16 Proposed Budget
Salaries and Benefits	1,493,122	1,539,552	1,516,161
Services and Supplies	397,534	364,913	308,067
Total	**$1,890,656**	**$1,904,465**	**$1,824,228**

I FY 2015-16 Major New Initiatives/Programs

Field support and resources may be needed to monitor water quality from existing locations or new monitoring wells to be constructed for the projects listed below, pending Board approval. These are listed as potential programs/projects for planning projections only.

- La Palma Basin Project: OCWD will be constructing a new recharge basin to receive GWRS FPW as part of a GWRS Permit Amendment. A new monitoring well (AM-53/1) will be drilled adjacent to La Palma Basin triggering WQ monitoring to establish baseline conditions prior to, and after delivery of FPW for recharge (estimated summer 2016). In addition, comprehensive quarterly monitoring at the downgradient monitoring well AM-10/1 will commence as a GWRS compliance monitoring well.
- Santa Ana River (SAR) Monitoring Program (SARMON) – Reduction in SAR river base flow has resulted in new recharge strategies initiated by Forebay staff to manage and recharge available source waters (i.e., imported water, GWRS, etc.). Previously, SAR was primarily diverted to Anaheim Lake for recharge resulting in a comprehensive surface water (Anaheim Lake) and groundwater monitoring (AMD-9/1 and AMD-9/2) program. Monthly samples were collected at these locations to assess changes in water quality following percolation at Anaheim Lake and subsequent underground residence time of approximately one and six months at AMD-9/1 and AMD-9/2, respectively. Presently, SAR water recharge occurs in the main river channel and new monitoring well locations were identified to assess water quality changes following approximate one month underground (new well AM-52/1) and four months (OCWD-LV1/1) travel time from the river. Monitoring activities commenced at an existing well OCWD-LV1/1 and will begin at AM-52/1, which is projected to be constructed in summer 2016.
- County of Orange Stormwater Infiltration Study – Glassell Site Retrofit: Similar to the Anaheim stormwater project to focus on containing stormwater, the County may be retrofitting an exisiting 10 acre office space site located in the City of Orange on Glassell St. to infiltrate stormwater on-site. The retrofit will include multiple EPA low impact development (LID) features to reduce stormwater run-off/pollutants and improve water quality. LID is a management approach and practices to contain stormwater as close as possible to its sources. Possible LID features include bioswales, modular wetlands, permeable paving, and a subsurface cistern to treat stormwater and to retain the majority of stormwater on-site. The County will be collaborating with OCWD and the City of Orange with specific aspects of the project, which may include water quality analysis and addressing groundwater quality before and after infiltration.
- Sediment Management in SAR: The Planning and Watershed Management Department is working with the Army Corps to address the sand deficit below Prado Dam in the SAR river bottom. A sandy river bottom enhances high recharge rates and provides material for OCWD to construct sand levees. WQ monitoring activities will be required when field work commences to redeposit sediment in the river below Prado Dam.

II Core Activities

The Water Quality Group is primarily responsible for (1) implementing water quality monitoring programs to protect and evaluate basin conditions, including emerging contaminants; (2) providing technical and field support for compliance

programs, District projects, and research investigations; (3) disseminating water quality information and assisting with expansion and update of the WRMS database (historic and new water quality data); (4) reviewing and commenting on relevant water regulatory and compliance issues [e.g., drinking water, stormwater, *de minimus* permits, etc.]; and (5) providing support to ensure that the District complies with regulations pertaining to the Safe Drinking Water Act and Clean Water Act amendments.

Core activities include:

- Implementing surface and groundwater quality monitoring programs for (1) compliance with permits, mandated environmental and drinking water regulations, (2) District projects and research investigations, and (3) evaluating the ambient quality of the groundwater basin.
- Scheduling and sampling groundwater producer wells for compliance with state/federal drinking water regulations for regulated and unregulated chemicals; reviewing, approving and reporting chemical data electronically to the state on behalf of the groundwater Producers; assisting with data compilation for the groundwater Producers' Annual Consumer Confidence Report, Public Health Goals Report, Annual District Engineer's Report, GWRS Annual report, and SARMON Annual report.
- Implementing basinwide monitoring for constituents proposed for regulation and emerging chemicals of concern (CEC) to assess occurrence and distribution within the Orange County Groundwater Basin and potential impact to the groundwater Producers and OCWD.
- Overseeing and performing the compliance monitoring activities at groundwater monitoring wells specified in the GWR System permit and permit Amendments, including water used for blending, ultraviolet (UV)/H_2O_2 product water, and injected water; coordinating with contract labs for selected analyses not performed by OCWD's Main Laboratory (e.g., asbestos, dioxin, radioactivity, etc.). GWRS monitoring activities include both Forebay and Talbert Barrier locations, Mid-Basin Injection, and relevant research investigations associated with tracer and intrinsic studies to (1) establish groundwater flow paths and travel time to the nearest wells (potable and monitoring), (2) assess metals mobilization issues, joint research projects, and (3) assess treatment processes and changes in water quality after time underground, etc. through joint research endeavors.
- Implementing a surface and groundwater quality monitoring program to assure the continued safety of the Santa Ana River as source water for groundwater replenishment (SARMON monitoring activities).
- Ensuring compliance with the District's NPDES general *de minimus* dewatering permit including weekly notification, sampling, treatment of purged groundwater (as needed), data analysis, and preparing monthly compliance reports.

- Reviewing and approving new water quality data for the District's WRMS database; compiling and analyzing data for reports and internal staff, the Board, and groundwater Producers.
- Coordinating with the Regional and State Water Quality Control Boards to provide appropriate water quality data to assess compliance with Basin Plan objectives for the SAR, TMDL issues, and other water quality river issues relevant to protection of the OCWD groundwater basin.
- Performing semi-annual water quality monitoring of coastal wells to assess the extent of seawater intrusion; coordinating with Hydrogeology on reviewing and revising program as new data become available.
- Assisting with field data collection for the semi-annual basinwide water level monitoring program to identify threats to the basin (i.e., groundwater overdraft, seawater intrusion, etc.) and provide groundwater elevations of basin aquifers measured six times annually.
- Fulfilling water quality and water resources information requests from the public, groundwater Producers, and regulatory agencies; responding to special data requests for external site investigations and litigations.
- Tracking, reviewing and addressing new emerging contaminants of concern; evaluating basin water quality conditions for emerging contaminants, assessing management and response strategies, coordinating with Public Affairs and groundwater Producers with water quality information.
- Preparing reference materials and presentations on water quality issues; participating on advisory committees specific to water quality issues of concern to OCWD and groundwater Producers.
- Reviewing and commenting on proposed regulations such as federal and state maximum contaminant levels (MCLs), public health goals, unregulated chemicals, NPDES permits, emergency regulations, etc. relevant to the District and groundwater drinking water source monitoring.
- Responding to and coordinating with regulatory agencies on emergencies and hazardous materials spills, fire fighting run-off, etc. that may affect groundwater quality. Perform WQ monitoring as needed to assess potential discharge impacts to recharge facilities or groundwater.
- Assisting District staff with NPDES dewatering *de minimus* issues for specific projects.
- Assisting with preparation of regulatory compliance reports and other water quality reports.
- Continue to educate new staff on the history and value of monitoring sites and programs (transfer historical knowledge).

III Non-Core Activities

Non-core activities (secondary priority compared to core activities) conducted by the Water Quality Group include:

- Serving on water quality and project advisory committees for ACWA, WEROC, etc. on emerging water quality issues relevant and beneficial to OCWD as managers of the groundwater basin, preparing for water resources emergencies (i.e., earthquakes, etc.).
- Providing information and current status on water quality and regulatory issues to other agencies and committees.
- Assisting other water agencies in addressing water quality issues, emerging contaminants, and tracking and assist in preparing comments on proposed relevant drinking water-related regulations.

IV Group Goals for FY 2015-16

- Administer Water Quality Monitoring Programs: Ensure samples are collected and analyzed for compliance with mandated drinking water quality regulations and regulatory permits, District projects and investigations, and evaluating the quality of the basin (e.g., seawater intrusion in coastal areas); evaluate new emerging chemicals of concern; coordinate with the Laboratory to implement 2015-16 compliance monitoring requirements for drinking water sources and UCMR3, GWRS compliance monitoring locations, focused studies, and continue to coordinate with the Laboratory to ensure maximum use of resources for both departments.
- Data Management Activities: Ensure new data are reviewed with high quality assurance and approved into the WRMS database for end users; submit Producer compliance data electronically to the SWRCB Division of Drinking Water (DDW) database; prepare annual water quality schedules for DDW and groundwater Producers; prepare annual data summaries for groundwater producers for the Annual Consumer Confidence and triennial Public Health Goals reports; prepare annual water quality data summary for OCWD's Engineer's Report, GWRS and SARMON quarterly and/or annual reports; implement all reporting tasks for UCMR3 for GWPs drinking water sources.
- Water Quality Regulatory Activities: Review and comment on newly proposed state or federal drinking water standards (MCL), evaluate potential impacts to groundwater basin and coordinate with groundwater Producers; continue to track and comment on proposed non-drinking water regulations relevant to OCWD's activities (e.g., state NPDES general permits, stormwater permit, etc.); monitoring federal and state regulatory schedules for upcoming proposed drinking water regulations – review and comment during public comment period.
- Implement the Santa Ana River Monitoring Program: Continue to implement the long-term Santa Ana River (SAR) Monitoring Program in joint effort with Regulatory Affairs. Manage and provide oversight to ensure monitoring activities are completed based on recommendations of the NWRI convened SAR Independent Advisory Panel (program reviewed every two years beginning 2015).

- Talbert/Bolsa/Sunset Gaps Seawater Intrusion Monitoring: Implement the seawater intrusion program in the Talbert/Bolsa/Sunset Gaps as recommended by the Hydrogeology Group to provide real-time water quality information to aid in assessing the extent and areal distribution of seawater within these gaps. Water level (some locations measured six times per year) and semi-annual water quality monitoring activities are conducted to provide information for Hydrogeology's assessment to evaluate the landward migration of seawater and adjust monitoring activities based on findings.
- Water Quality Protection: Activities include tracking, reviewing and addressing new chemicals of concern, evaluating basin conditions or source waters potentially used for groundwater replenishment (e.g., perchlorate/chlorate in the Santa Ana River); monitor and review media and research reports; coordinate with regulatory agencies on upcoming new water quality issues; provide field water quality monitoring support for Board approved projects that authorize construction of new monitoring wells for District projects and investigations.
- New Water Sources: Implement groundwater monitoring activities for short-term focused studies related to recharge enhancement (stormwater infiltration projects; river water sediment removal and percolation studies); provide compliance testing for newly constructed groundwater Producers' drinking water wells and new monitoring wells approved by the Board for specific water quality studies; evaluate new source waters for GWRS (e.g., possibly monitor flood control channel waters for diversion to OCSD for GWRS, SARI Line water quality studies, etc.).
- Aquatic Weed and Pesticide Control: Continue to coordinate with Forebay Operations to use non-chemical methods to address pesticides (e.g., midges at recharge basins) and vegetative growth at the wetlands in lieu of chemical application. Non-chemical strategies avoid (1) coverage under the SWRCB aquatic weed and pesticide NPDES permits, (2) pre- and post-water quality monitoring and analysis of the applied aquatic pesticides, (3) need for regulatory reports, and (4) issues of the District applying chemicals to water bodies potentially tributary to the river and/or underlying groundwater.
- Standard Operating Procedures (SOPs): Review and update department SOPs and conduct periodic refresher training.

Improved Water Quality Monitoring Efficiency: This activity includes:

- Assess new methods and strategies to increase field productivity without compromising quality of sample collection or integrity of sampled water.
- Improve single operator sampling equipment and procedures; revise and finalize standard operating procedures and implement processes to increase efficiency and productivity.
- Continue with evolving department-wide cross-training programs.
- Evaluate options to streamline specific monitoring programs for broader coverage, increase efficiency, and reduce sample load to the laboratory.

- Continue to research and improve equipment decontamination procedures to address higher concentrations of volatile organic compounds (VOCs) and chemicals that exceed regulatory limits or notification levels (e.g., perchlorate and 1,4-dioxane), which require treatment of purged water prior to discharge. New decontamination system configurations and types are routinely evaluated to improve efficiency and productivity to reduce the time needed to clean equipment between well locations; continue to evaluate sampling truck configurations to improve efficiency with mobile treatment units and transporting ancillary equipment to sample monitoring wells.
- Continue to evaluate methods to forecast optimum schedules to change-out spent carbon in mobile treatment units to avoid breakthrough and to address new CEC requiring removal prior to discharge to storm drains or tributary to state waters.
- Research new technologies for automating field data collection and documentation tasks.

V Pending Activities

Major activities that are reduced, not being implemented or conducted include:

- Stormwater monitoring of the Santa Ana River and tributaries to OCWD's recharge facilities.
- Non-point source water quality monitoring on the river and tributaries near OCWD's recharge facilities.
- Implement a more enhanced quality assurance data review protocol to include data analysis and tracking of water quality chemicals of concern to identify areas of developing water quality problems (e.g., increase in color, seawater intrusion, volatile organics, SAR monitoring, upper watershed, etc.); provide timely notification to OCWD program managers and stakeholders; prepare semi-annual reports, as needed.
- Quarterly or monthly water quality monitoring of upper SAR watershed wastewater discharges; investigate water quality issues originating from the upper watershed that may potentially affect the Orange County groundwater basin (e.g., chlorate, NDMA, and other emerging constituents).
- Develop and prepare an annual Water Quality report of the basin (deferred for several years) – strive to prepare initial report with multi-department input in near future.
- Provide enhanced staff development (internal and external) and mentoring to take on higher-level duties and responsibilities; enhance and broadening cross-training to enhance flexibility and ability to respond to changing conditions.
- Active attendance and involvement with water associations and agencies on water quality issues relevant to OCWD and groundwater Producers.

VI Staff Addition Needed for FY 2015-16

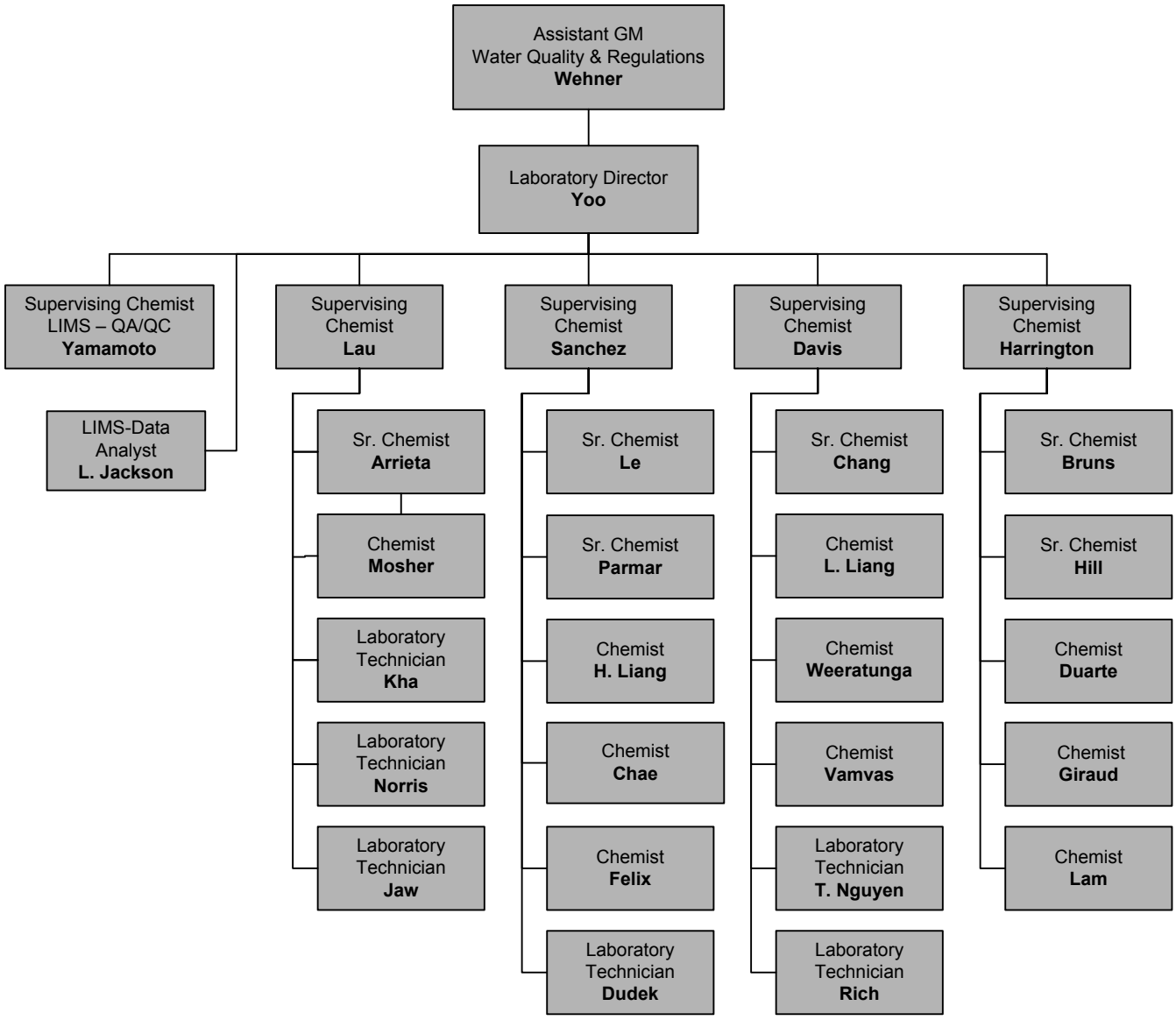
None

VII Future Issues

In the next several years, the District will need to consider the following issues and the associated resources and costs.

- Evaluate and purchase more efficient sampling equipment to improve productivity with field monitoring activities, treatment of purged groundwater, and replace aging vehicles, as needed.
- Adapt to (1) increasing new regulations requiring new monitoring activities, (2) implementing new and relevant research investigations, (3) researching enhanced protocols for equipment decontamination, and (4) assuring high quality assurance with all field tasks and activities.
- Provide field support to monitor North Basin Groundwater Protection project (NBGWPP) monitoring wells and associated monitoring activities for the treatment facility in compliance with future treatment permit requirements.
- South Basin Groundwater Protection Project (SBGPP): Future monitoring wells will be needed to provide WQ data to delineate the areal extent of contamination and to evaluate feasibility of an interim groundwater remediation/containment system.

ADVANCED WATER QUALITY ASSURANCE LABORATORY



Summary Information

Existing Staff – 29 FTEs

1– Laboratory Director
1 – Supervising Chemist LIMS - QA/QC
4 – Supervising Chemists
6 – Senior Chemists
10 – Chemists
1 – LIMS-Data Analyst
6 – Laboratory Technicians

Mission

Provide cost-effective analytical services to assess water quality and certify District permit conditions. Support applied research to the benefit of District projects, which evaluate both Basin and GWRS operating conditions. Laboratory services provide information on operations as well as current and future environmental regulations.

Key Issues for FY 2015-16

- GWR System Permit & Operational Support – The Advanced Water Quality Assurance Laboratory (AWQA-Lab) continues to generate operational and permit compliance data in support of the GWR system. Support of an increased number of new groundwater monitoring wells linked to this process continues to provide workload on a wide range of analytical methods. Laboratory staff members continue to coordinate sample loads and investigations with the Water Production Group as well as other departments and OCSD. Specific investigations into mid basin recharge facilities and changing operational conditions related GWRS Initial expansion will continue during this budget cycle.
- GWR System Optimization Research & Development – The AWQA-Lab continues to support the GWR System's research & development efforts. Further investigations into enhanced removal efficiencies and plant optimizations will advance through proper analytical information. Support of UV performance and the Advanced Oxidation Process (AOP) with R&D department will continue. Metals mobilization studies will require specific analytical support, along with RO membrane performance studies investigating Chemicals of Emerging Concerns (CECs), Nitrosamines, and/or 1,4-dioxane removals. Investigations into potential disinfection by-products (DBPs) formed during the GWRS AOP process will continue to pose analytical challenges. The lab will continue to investigate wastewater quality for OCSD Plant 1 and Plant 2 with OCSD laboratory to secure additional wastewater to support the final GWRS expansion project. Coordination of research investigations into the compliance monitoring lab will provide additional benefits to these GWRS expansion requirements.
- Chemicals of Emerging Concern (CECs) and Method Development – The AWQA-Lab has supported the development of chemicals of emerging concern (CECs); many of these targets require reporting to the low part per trillion (ppt) levels. Target selection has been based on feedback from a wide range of sources including USGS, EPA, and SWRCB. Monitoring efforts have focused on targets that provide information and status on the performance of treatment processes. The majority of the CEC monitoring effort is supported by our LC/MS/MS (liquid chromatography/tandem mass spectrometer) system. We plan to add additional support methods to this system: EPA method 540– specific organic constituents. Method development and optimization on this system continues to be a challenge, as we must coordinate this effort to existing workloads. We continue to expand District analytical capabilities using the LC/MS/MS systems; it is necessary for the District to apply the LC/MS/MS systems to ensure that the laboratory is capable to meet the detection sensitivity of targets of the required CECs by EPA and the State.
- Project Support & Basin Wide Monitoring – The AWQA-Laboratory provides compliance and monitoring support to a wide range of projects and basin programs. The Basin Groundwater Protection Programs continue to require laboratory support and has been expanded with additional wells and monitoring sites. Increased hydrogeology

investigations towards potential contamination sources and remediation processes continue to generate additional sample loads within the laboratory. Basin projects and monitoring programs, including support of the Santa Ana River Monitoring (SARMON) studies, have continued to develop over the last several years. Constituents of Emerging Concern (CECs) will be a focus within the SAR system and from wastewater dischargers. Potential wetlands configuration studies may also address laboratory monitoring support of CECs and other appropriate surrogate performance targets. The laboratory's data is also supporting several District litigation efforts.

- Federal Unregulated Contaminant Monitoring Rule Phase 3 – UCMR3 – The District continues to support the federally mandated Unregulated Contaminant Monitoring Rule (UCMR3) program from 2013 to 2015, The AWQA-Lab is fully certified for 7 EPA methods to support analytical requirements under this program and continue the process of list 1 and 2 assessment monitoring for the total of 28 constituents using new EPA methods; 522, 524.3, 537, 539 and the existing methods; 200.8, 218.7 and 300.1. As within past UCMR programs, the required method performance and QA/QC documentation is critical to the success of this support. The AWQA-Lab and Water Quality Department successfully managed the first year load of UCMR3 program with less than 5% resampling and reanalysis request. In addition to the sample analysis for UCMR 3 program, EPA requires an acceptable quality control management plan for every batch of the samples. Laboratory resources within this budget cycle will be dedicated to develop technical expertise to generate fully acceptable QA/QC data packages to maintain the status of EPA approved laboratory for the entire UCMR 3 period.
- Improved Laboratory Productivity and Cost Containment – The AWQA-Laboratory team takes great pride within the development of cost efficient high quality processes. We continue to work closely with the purchasing department to further expand the automated reorder process for those products and reagents we continuously utilize within our analysis. Lab staff members work closely with our vendors to secure the best possible pricing on instruments, support, and supplies. We continue to develop our staff support around a flexible "team" structure through cross training schedule and team working environment, which has kept District labor demands at the lowest possible level. Staff members are rotated and cross trained through all methods of analysis, to ensure flexibility within analytical capabilities. Laboratory staff members continue to advance technological improvements with globally recognized instrument vendors to further address cost effectiveness and exceptional laboratory services. Potential adjustments to monitoring frequencies will need to be properly coordinated through the lab to keep efficiencies at a high level. Sample load scheduling must be properly planned so that additional benefits to our monitoring programs can be achieved. We have also used the vendors to provide in-house training on the more sophisticated analytical instrumentation. This has helped reduce our training expenses, and has promoted the District's image as a leader in water quality technology.

Account Information	FY 2013-14 Actual	FY 2014-15 Budget	FY 2015-16 Proposed Budget
Salaries and Benefits	3,371,070	3,554,180	3,550,049
Services and Supplies	1,345,334	1,444,550	1,397,000
Total	**$4,716,404**	**$4,998,730**	**$4,947,049**

I FY 2015-16 Major New Initiatives/Programs

The laboratory is a service oriented department, and we continue to provide analytical support to a wide range of District programs. New initiatives and support will be based on specific project requirements within several departments and investigations.

- GWR System Research and Optimization – Treatment Investigations
- Monitoring support for Basin Protection Programs – new wells
- OCWD/OCSD Alignment for Regulatory Compliance and GWRS expansion
- OCWD Wetlands Treatment Investigations
- Litigation data support

II Core Activities

The Advanced Water Quality Assurance Laboratory utilizes cost-effective analytical services in support of all monitoring programs and projects required by the District. Water quality data generated by the laboratory provides critical analytical information, needed to make timely accurate decisions, for regulatory requirements as well as the direction and support of District policies. Our facility is designed as a compliance-monitoring laboratory certified with the State of California and US EPA.

Basic core laboratory activities include:

- Support basin wide monitoring programs, and provide both compliance and informational analytical data. Ensure proper method compliance for state and federal drinking water requirements. Protection of the basin and the SAR through analytical monitoring.
- Support and direction of the GWR System activities, for both permitted requirements and operational improvements.
- Support and direction of emerging contaminants and water quality issues, to address both GWR plant, mid injection well development and basin wide concerns.
- Procurement of needed analytical State Certifications with the SWRCB, as well as development of any needed EPA methodology. Support federal monitoring programs as approved by District management – UCMR .
- Support of the Green Acres Project (GAP) facility for both permit requirements and operational feedback.
- Support and direction of the Talbert Barrier, a SWRCB mandated monitoring requirement for the District.
- Support investigations in both treatment research and in-house analytical methodologies. Provide solutions to improve cost effectiveness - both within plant processes as well as with laboratory procedures.

III Non-Core Activities

The AWQA-Laboratory's support has always been a strictly core activity department without many non-required duties. This has been based on years of natural growth in workload, which has caused all non-essential tasks to be dropped. Non-core activities

(secondary priority compared to core activities) conducted by the AWQA-Laboratory group include:

- Support of research and monitoring programs not directly benefiting District or laboratory processes.
- Support of public relations tours and NWRI investigations and studies.
- Support of Department of Homeland Security and CAMALnet support investigations for emergency response.

IV Group Goals for FY 2015-16

GWR System Operational, Research, and Compliance Support – Laboratory support of the GWR System is critical in maintaining compliance and permit goals. We will continue to support all process investigations that require analytical data. Continued focus on emerging targets and future investigations into AOP/UV disinfection by-products will be required. Total support of the GWRS system represents over a third of the workload received by our department. GWR research through all treatment steps will be required within this budget cycle.

Emerging Target Method Development – The laboratory continues to increase analytical capabilities into all water quality concerns. Investigations into new potential VOC targets have always been supported by our District laboratory. While most of the recent focus has been on large molecular weight CEC monitoring, there are still critical areas of support looking at low molecular weight targets, those that pose impacts to aquifers, and significant challenges to RO and UV removals. We continue to expand our analytical target lists and coordinate with OCSD source control on any potential concern. While the GWR system provides state of the art removal processes, the SAR system can be further influenced by these emerging concerns from wastewater dischargers. District staff members are committed to the continuous support within all emerging target support. We currently track for over 550 target compounds and this will continue to expand under this budget cycle. We have recently undertaken a cooperative analytical effort with Water Production Department to monitor the effects of specific levels of Iron and orthophosphate in GWRS processes. This effort will continue into the 2015-16 fiscal year.

Basin & SAR Monitoring Support – As above, wastewater discharge impacts and influence into SAR system will be critical goals within this budget cycle. SAWPA CEC monitoring will continue and focus on a specific number of target analytes. Continued support of Basin protection programs will continue to require analytical support from the lab. We have also found support under these programs will usually require rush sample status, and quick data turnarounds. Samples taken under these programs also have challenged our processing as they represent extremely difficult matrices. The District's lab will continue to provide support within these monitoring programs addressing Basin and Santa Ana River conditions during this budget cycle.

Data Quality Improvements & New LIMS Implementation –
We have been laying the groundwork for replacement of our long-established Laboratory Information Management System (LIMS) with an entirely new, state-of-the-

art LIMS for over a year now. LIMS has consistently been one of the most cost-effective software applications utilized at the District. A strong motivation for purchasing a new LIMS is to acquire a system that is created and supported by a vendor who is currently a relevant participant in the LIMS marketplace. The laboratory's information management system (LIMS) is an outstanding tool for the reporting of water quality data from our facility. Managing AWQA-Lab's data is a very complex task. In 2014, 29 Laboratory staff processed 21,000 samples, reported 450,000 test results to WRMS, and produced over 500,000 Quality Control test results. In 2014, over 10 million data points were added to LIMS. This cost effective software application continues to be customized to the specifications of AWQA-Lab by the LIMS Administrator and Information Services Department. AWQA-Lab currently uses a LIMS named Aspen created by Telecation, Inc. that has been in operation for 13.5 years. The AWQA-Lab can rely on Aspen to provide LIMS functionality for at least 1-2 years with limited customization and flexibility. Technological advances are slowly pushing Aspen towards obsolescence and updated versions of Aspen are not being developed because Telecation, Inc. is no longer in business. This is a strong motivation to purchase a new LIMS. Staff strongly believes that it is vital to have a LIMS that is supported by a LIMS vendor who is a relevant participant in the LIMS marketplace. Such a LIMS vendor will provide much needed assistance, in a cost effective manner, should technology changes negatively affect LIMS. In addition, potential cost savings and efficiency improvements can be obtained through the use of the new LIMS in combination with modern operating systems such as Windows 8, wireless networks with advanced security features, and recently introduced cost effective hardware such as the tablet PC and other similar devices. Creating these new features in LIMS requires a strong partnership with a LIMS vendor, who will also support, improve and maintain these new features for AWQA-Lab. Work done with a LIMS selection consultant, Astrix Technology Group, was completed by the end of 2014 and staff is evaluating several LIMS vendors' based on recommendations from the Astrix Technology Group. These recommendations included cost proposals from prospective vendors which will be used to estimate financial resources required for this project. Through a series of configured demonstrations in the first half of 2015, staff will evaluate each LIMS vendor's ability to meet AWQA-Lab specifications. During FY 2015 – 2016, AWQA-Lab will purchase a new LIMS. It is anticipated that this LIMS will be in production by July 2016. Significant resources will be allocated to configuring the new LIMS. The LIMS vendor will provide a large portion of the configuration necessary to meet AWQA-Lab's specifications. These specifications are based on AWQA-Lab's work processes and compliance with State of California requirements. Staff will work with the LIMS vendor to plan, organize, staff, direct and control the transition to the new LIMS. In preparation for the new LIMS, AWQA-Lab will continue to train Information Services staff to support LIMS configuration requests. The training topics include AWQA-Lab work processes and the data structure in LIMS. As the AWQA-Lab moves to implement the new LIMS, AWQA-Lab staff will be trained to play a larger role in maintaining and configuring LIMS. For example, 4 current AWQA-Lab staff will be trained to change quality control acceptance ranges, changes currently done by the LIMS Administrator or Information Services. The new LIMS will offer more opportunities for trained AWQA-Lab to maintain and configure LIMS. Trained AWQA-Lab staff will not only manage their data but also configure LIMS

without writing computer code. Trained AWQA-Lab staff understands its work processes and can rapidly configure LIMS based on that expert knowledge. This training is cost effective because LIMS configuration requests to Information Services will be reduced. The increased cross training will improve productivity because trained staff can provide LIMS service when their colleagues are on vacation or sick leave. Finally, this is a step forward in improving AWQA-Lab's understanding of LIMS management issues; an understanding that will increase AWQA-Lab's contribution to District goals.

Applied Research Investigations & Improved Target Monitoring – Water Quality concerns have continued to address extremely low-level reporting, which is required in the UCMR 3 program. Specific targets addressing this concern have been at the forefront of District monitoring efforts: Arsenic, NDMA, hexavalent chromium, MTBE, perchlorate, bromate, etc. – continue to trend to lower than current reportable levels. Analytical investigations into proper instrument and method configurations continue to be a critical support factor. This trend will continue for the laboratory support, and must be weighed against required certification criteria and District needs. Additional hyphenated techniques may be needed to achieve these lower reportable levels, depending on target. This is an on-going support goal for the laboratory staff.

UCMR4 – Monitoring Support – The laboratory has completed 7 EPA method certifications and validation of the developed methods for the Unregulated Contaminant Monitoring Rule (UCMR3) program. The district lab now needs to prepare the method development tasks for UCMR4 program, which will be monitoring 28-30 new target compounds from the drinking water systems nationwide; the method certification process starts from FY2015-2016.

Optimization of Laboratory Efficiencies – Staff & Processes – The laboratory staff continues to work as a cohesive team, and support flexibility continues to be a required goal of our department. Staff training is a critical support issue and we continue to increase operational knowledge of our analytical systems. This has helped to expand coverage during our heaviest workloads. The District's laboratory also stresses process efficiencies and cost effectiveness. Staff members continue to investigate improvements to the supply ordering process and streamlining overall data analysis and reporting.

V Pending Activities

Major activities not being fully supported include:

- Outsourced monitoring – Bacteriophage, radioactivity, asbestos, and dioxin monitoring needs are all farmed out to specific contract labs. This is currently a cost efficient approach, as these water quality concerns do not require significant monitoring frequencies. Based on current inputs, phage testing does not appear to have an increased focus within District monitoring programs, which would require in-house monitoring. The AWQA-Lab has a specific designated space for phage analysis support, and if not required this area should be utilized for a new IC-MS system.

- Method Development – As we continue to increase analytical capabilities within overall monitoring support, it has been difficult to address future support requirements such as bringing on-line Carbonyl Compounds using GC/MS and Cyanotoxins using LC/MS/MS. A specific area of concern is based on CEC monitoring and the use of the LC/MS/MS system for both the drinking water and wastewater samples. Increased support loads on this system can generate workload backlogs, and thus will influence any additional method development support using this system. Proper sample load projections must be utilized to determine these future analytical support requirements. It is difficult to support continued expansion of capabilities without adjustment to monitoring frequency or support resources, proper scheduling is the key to these method development issues.
- Research Activities and Agency Meetings – The Laboratory continues to support District research activities. However, it is critical that these support requirements be properly coordinated with laboratory resources. This budget cycle may provide some additional support windows for investigations, especially if compliance requirements can be reduced to annual samplings. Research demands focused on AOP, MF, RO, UV, peroxide, and coagulant studies can benefit from an early notification of these analytical needs. Issues concerning CEC monitoring and analysis of new targets move quickly, thus it is critical for laboratory staff members to attend meetings with other agencies and researchers that are providing similar support. Information gained from such meetings has helped shape our support and target lists. Attending these informative meetings is based on workload requirements and compliance duties.
- CAMALnet (California Mutual Aid Laboratory network) & Department of Homeland Security Support – There are still efforts at the State and Federal levels to address water security issues, and the overall coordination of analytical support. Based on workloads and duties, we have not been an active player in supporting these groups. The development of specific methods to address potential targeting of water resources is currently not within our scope. The District's laboratory will continue to monitor the progress of these programs, through adjunct participation of CAMALnet (California Mutual Aid Laboratory network) and Department of Homeland Security. This state level program includes active participation by SWRCB and MWD addressing these water security/analysis related concerns.

VI Staff Additions Needed for FY 2015-16

None

VII Future Issues

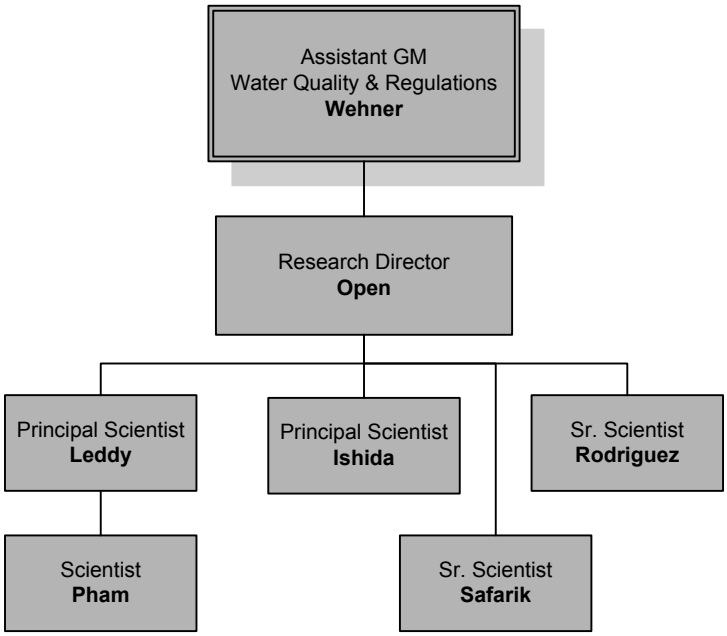
In the next two to three years, issues the District will need to consider include:

- Continue laboratory support of the unregulated contaminant monitoring rule (UCMR3), which is approved and directed by the District's Board. The laboratory is currently providing support to the UCMR3 program, which is the federal monitoring program designed to investigate new targets of interest for the future compliance monitoring list. These targets may eventually have established federal drinking water requirements. UCMR3 monitoring started from January 2013 until 2015; an annual program audit by EPA and the method compliance will be required within the next several budget cycles. Specific targets may require instrument configurations to meet the analytical sensitivity and reliability. Conditions may arise where we need to develop a more sensitive analytical method for Perchlorate,

Sucralose and other synthetic chemical compounds. LC/MS/MS or IC/MS systems could be utilized to achieve these lower reporting levels.

- As cited above, the geology department has expressed interest in monitoring specific targets at lower than current reportable levels. Perchlorate and Bromate are two such examples, where lower reportable levels would benefit monitoring programs by identifying the leading edge of contamination plumes, or an earlier notification of water quality concerns before exceeding an MCL. Other analytical methods are currently available that would provide enhanced sensitivity to address these needs, depending on target. Again, LC/MS/MS or IC/MS could be utilized to achieve these lower levels of reporting. This would require the acquisition of these instruments to provide this enhanced monitoring support.
- We continue to get feedback from State officials and other laboratories that speciation of arsenic may be required as a future water quality monitoring criteria. As with the examples above, this would require other hyphenated techniques – liquid chromatography followed by HG-ICP/MS analysis to generate this level of data. We will continue to monitor this future requirement, which may require adjustment to our analytical capabilities.
- UV/AOP treatment within the GWR System continues to warrant further investigation and research. Disinfection By-Products (DBPs) specific to this treatment technology have not been fully studied or investigated. This is an area that should be developed as an "investigative" monitoring program.
- We continue to develop the analytical techniques to detect extremely low levels of Nitrosodiethanolamine (NDELA) 1,3-Dioxolane (13DXLN), p-Chlorobenzene Sulfonic Acid (p-CBSA), Methyl Isothiocyanate (MITC) within the GWRS system and the monitoring wells close to the recharge basin. These target compounds are moderately removed within the treatment process and could be linked to source control issues. The District has detected increased concentration levels of MITC coming through the GWR System during specific times of the year. The laboratory continues to monitor and investigate these MITC issues.
- The District continues to strengthen our interactions and communications with Orange County Sanitation District's laboratory and source control programs. This relationship has benefited many of the water quality issues that have impacted our processes: NDMA formation study, 1,4-dioxane and 1,3-dioxolane source control, chemicals of emerging concern (CECs), etc. We continue to see potential benefits in collaboration and regulatory alignment with OCSD divisions, as we further investigate new targets, GWRS performance and future expansion.
- Constituents of Emerging Concern (CECs) continue to receive political attention as a significant water quality issue. As our laboratory supports the monitoring of this issue, it is important to develop a proper priority setting process by which targets are brought on-line within our analytical monitoring programs. CEC monitoring requires significant analytical support and technical expertise using highly sensitive analytical systems such as LC/MS/MS, IC/MS and GC/MS/MS, and an enhanced target selection process is needed to effectively keep analytical resources properly addressed. This is especially true as additional research in this field will continue to identify new targets of concern, before SWRCB and EPA can fully address them within any monitoring criteria.

RESEARCH AND DEVELOPMENT



Summary Information

Existing Staff – 6 FTEs

1 – Research Director
2 – Principal Scientists
2 – Senior Scientists
1 – Scientist

Mission

Conduct applied research that supports and enhances the District's core operational needs.

Key Issues for FY 2015-16

- In cooperation with Water Production staff, continue research into reverse osmosis (RO) and UV/Hydrogen Peroxide advanced oxidation process (AOP) issues at the Advanced Water Purification Facility (AWPF) that affect the Groundwater Replenishment System's efficiency in order to help decrease GWRS operation and maintenance (O&M) costs. Progress in these areas will be reported via participation in the Purification Research Enhancement Working Group (PuREWG).
- Work with the Planning and Forebay Operations departments to provide support for Recharge Enhancement Working Group (REWG) projects to improve percolation efficiency by reducing percolation O&M costs and

improving water yield. Support will consist of field sampling and laboratory analytical expertise. Key projects supported by R&D this year will include the ongoing Sediment Transport Study as well as the Desilting Demonstration Project.

- Continue to provide microbial water quality data for county agencies, state regulators and federal agencies (USEPA) to assist in the development and implementation of total maximum daily loads (TMDLs) for microbial indicator organisms and pathogens. Provide microbial water quality support for the POWUP Study at Prado.
- Continue to seek collaborative partnerships with other research groups (academic and industrial) and funding agencies (NWRI, WateReuse) capable of expanding the scope of water reclamation research at OCWD.

Account Information	FY 2013-14 Actual	FY 2014-15 Budget	FY 2015-16 Proposed Budget
Salaries and Benefits	852,520	882,925	908,852
Services and Supplies	111,074	150,320	165,910
Total	**$963,594**	**$1,033,245**	**$1,074,762**

I FY 2015-16 Major New Initiatives/Programs

- Exploration of Excitation Emission Matrix Spectrometry (EEMs) for evaluation of AOP and membrane fouling.
- Determination of fouling kinetics of new PVDF MF hollow fiber membranes planned to be tested by Water Production Research Center.
- Investigate the use of rapid ATP assay methods to provide feedback on the effectiveness of combined chlorine dosage on reducing RO biofouling.
- Application of a multivariate reactional model to estimate interactive radical chemistry occurring in the Trojan UVPhox system.
- Research Use of Next Generation Sequencing (NGS) for Microbial Water Quality Monitoring.
- Exploration of methods of percolation enhancement using FRL large-scale percolation cells and exploration of determination of localized percolation by use of multiple automatic data recording piezometers.

II Core Activities

- Research promising technologies to improve water quality and to increase the efficiency of District water treatment and recharge operations.
- Provide support and implementation of strategies to increase capture and recharge of SAR flows, as well as evaluate the sources of pathogens and contaminants in watershed that affect SAR water quality.
- Provide scientific and technical support to GWRS treatment processes, recharge and injection.

- Provide scientific/technical assistance to OCWD staff.
- Develop and evaluate new analytical methods.
- Seek external funding.
- Publish and present research findings.

III Non-Core Activities

- Participate in scientific advisory panels/research advisory boards/research project advisory committees (PACs).
- Provide consulting information to other water agencies, utilities and regulatory agencies.

IV Group Goals for FY 2015-16

GRANT FUNDED RESEARCH:

SANTA ANA RIVER AND WATERSHED GRANT FUNDED PROJECTS:

- Middle Santa Ana River Pathogen Total Maximum Daily Load Study (9955**) – This joint study with SAWPA with the support of San Bernardino County Flood and Riverside County Flood to evaluate pathogenic sources in the Santa Ana River Watershed will continue as a support role for *Bacteroides* analysis. As with last year, the analysis will be presence/absence (P/A) for *Bacteroides* and if needed the concentrations will be determined. Samples from the upper SAR will be analyzed for *Bacteroides thetaiotaomicron* (a human waste-specific indicator organism).
- Inter-Laboratory Validation of a Culture/qPCR Method to Detect *E. coli* in Freshwater (9980) – This project, which was deferred since FY 2013-2014 due to federal budget issues, will be performed co-operatively with other voluntary participants and will consist of a validation study for a new method of *E. coli* detection that combines culture methods with quantitative PCR (qPCR) techniques for rapid quantification of live organisms in freshwater matrices. The validation study will consist of two phases: 1) a practice phase to familiarize R&D staff with the assay protocol, and 2) the validation itself involving analysis of field samples. The USEPA will provide most of the reagents for the study so that only staff time will be needed for the project.
- Prado Open Water Unit Process (POWUP) Wetland Monitoring and Research Program (Prado ERC POWUP) Support (9983) - Unit process wetlands provide a means for increasing the attenuation of trace organic contaminants and nutrients through consideration of mechanisms of chemical removal and the effects of wetland design, operation and maintenance on system performance. This joint project through Stanford's ReNUWIt ERC is addressing the use of larger-scale unit process wetlands to treat a broader variety of chemical contaminants. Parameters that will be monitored are: total microbial communities, water quality parameters including AOC, trace organic chemicals, and pathogen indicators. The monitoring program at Prado

Wetlands will go through three (3) phases and will continue for approximately two (2) years. OCWD R&D will contribute to the research via in-kind support of staff time and supplies to monitor microbial community structure, AOC concentrations using the Rapid Bioluminescent AOC method and *Enterococcus* using Enterolert. This project is a continuation of work that began in FY 2014-2015.

NON GRANT-FUNDED RESEARCH:

GWR SYSTEM O&M (9952):

- Task 1: Groundwater Replenishment System Support – R&D will continue to engage in short-term research activities on an ad-hoc basis to assist the Water Production and Engineering Department in solving problems arising during operation of the AWPF. Examples of research under this activity from FY 2014-2015 included:
    - Assisting Engineering and Water Production staff to elucidate mechanisms of and solutions to the problem of GWRPipeline and Barrier Pipeline lining erosion.
    - Assisting Water Production in evaluating hazing of the UV lamp sleeves in the Trojan UVPhox reactors.
    - Autopsy (microbial and chemical analysis) of fouled MF and RO membranes from the AWPF and Research Center.
    - Providing controls and sampling apparatus for ongoing AWPF RO phage monitoring.
    - Molecular biological analysis and AOC analysis of water samples from monitoring wells.
    - Report and presentation to the NWRI IAPs regarding SARMON microbial monitoring and all microbial water quality and advanced oxidation performance associated with GWRS.

  The R&D Department will also continue to assist Water Quality to provide biochemical and biological data from monitoring wells impacted by the GWR System finished product water (FPW) to comply with requests by the NWRI IAP and regulators from the RWQCB or the SWRCB DDW.
- Task 2: MF Performance/Fouling Research* - MF research during this fiscal year will include:
    - Evaluation of Fouling Resistance of PVDF MF Membranes Capable of Being Retrofitting into the AWPF – Kinetics of nanoparticulate fouling of new PVDF membranes for potential use in the AWPF will be investigated using bench-scale fouling kinetic methods developed by R&D.
    - PVDF Membrane Autopsy – R&D support of Water Production in testing new PVDF MF membrane modules, including SEM/EDX and physicochemical analysis pre- and post-mortem.

- MF Antifouling Surface Modification Study - Depending on results of work in FY 2014-2015 with Kai Loon Chen at John Hopkins University on coating polypropylene hollow fiber MF membranes with polyacrylic acid (PAA) and polyallylamine (PAA) multilayers to reduce nanoparticulate fouling, extend the study to look at reducing fouling potential of PVDF membranes using similar coating techniques.

♦ Task 3: Characterization/Mitigation of RO Fouling in the AWPF* – This activity will continue investigations of RO fouling mechanisms aimed at characterization of the accumulation of material on the RO membranes in the AWPF and on the correlation between accumulation and loss of membrane performance. Staff will continue with attempts to establish statistical correlations between one or more plant operational parameters and observed historic degradation of RO membrane performance (the decay rate of the normalized specific membrane flux) in order to define which water quality parameters serve as predictors of membrane lifetime, including loading of biocide (total chlorine) and chemical species known to participate in membrane fouling by precipitation. Observations begun during the previous year, including monitoring of RO feedwater quality through the RO trains, will continue. Membrane behavior will be characterized by data obtained at four key points in the RO train (the beginning of the 1st stage, 2nd stage and 3rd stage, and end of the 3rd stage), and will include RO fouling kinetic studies using multiple test cell platforms to relate surface fouling to increase delta-P. Data will be examined by multivariate methods in order to identify the principal mechanisms responsible for RO performance loss in the AWPF. Studies this fiscal year will include:

  - Continuation of the Second RO Membrane Fouling Study/Data Analysis – As a consequence of delays caused by the AWPF expansion, the RO fouling study using R&D's flat-sheet RO test unit array connected to RO Unit E01 will be not be completed until FY 2015-2016. Data analysis will be performed in order to confirm the observations made in the original study, and correlate deposition of materials on the RO membrane and spacer with decay of normalized specific product flux during RO membrane fouling.
  - Application of Advanced Multivariate Methods to Construct an RO Process Model – Providing Admanced Data Mining International (ADMi) is successful in producing a viable 1st RO stage process model in FY 2014-2015, this will be a continuation of the collaborative project between R&D and ADMi started that utilized historical water quality and operational data from the AWPF in order to construct a complex mathematical process model capable of describing 1st stage RO performance using advanced artificial intelligence (AI) methodologies. This FY will advance that model to cover the 2nd and 3rd RO stages. These process models will identify key parameters influencing membrane performance and predict optimal operating conditions that reduce energy consumption and optimize operating cost.

- Perforene™ RO Membrane Testing – Providing membrane material is available for study, this will be a six-month duration project comparing performance of Lockheed's new graphene-based Perforene™ membrane to a standard high-performance polyamide RO membrane (e.g., the Hydranautics ESPA2 used in the AWPF) on the AWPF's RO feed water. Testing includes evaluation of both immediate performance, and long-term performance that will capture the membrane's ability to resist fouling. Water flux and rejection of a host of organic and inorganic analytes will be performed.
- Performance Evaluation of a New Nanocomposite Polymer Thin-Film Membrane – R&D staff will continue to collaborate with Dr. David Jassby of the University of California, Riverside Department of Chemical and Environmental Engineering to evaluate performance of a new fouling-resistant electrically conductive carbon nanotubule composite thin film RO membrane.
- Development of a Rapid ATP Assay to Determine the Effectiveness of Combined Chlorine Dosage as a Biostat/Biocide in Preventing RO Biofouling –This study will attempt to develop a correlation between ATP levels detected in RO feedwater by a new rapid ATP bioassay and the reduction in feedwater biofouling potential. Feedwater biofouling potential will be assessed by both traditional heterotrophic plate counting methods obtained from feedwater samples and by the rate of organism accumulation on RO membranes using flat sheet test systems. The rapid ATP method, if closely related to biofouling potential, can be potentially used in a feedback loop to determine optimal effective dosage of combined chlorine for disinfection in the AWPF.

- Task 4: Advanced Oxidation Plant (AOP) Studies* – Research aimed at measuring the capabilities of the Trojan Technologies UVPhox UV/AOP reactor train through analysis of water quality and system operational parameters will continue. Previous research has indicated that advanced oxidation is affected by UV dosage, hydrogen peroxide dosage, the presence of chlorine species, and the presence of bicarbonate. Within the water matrix in the AWPF, UV irradiation and *OH radicals derived from hydrogen peroxide are not solely responsible for bringing about oxidation; combined chlorine species present may also play a significant role. Research this FY will utilize pilot scale and full-scale investigations aimed at identifying organic compounds processed in the AOP and their oxidation products, as well as the potential for interaction between the various oxidative mechanisms using target compounds (1,4-dioxane). Planned studies include:
  - H_2O_2/Chloramine Matrix Pilot Studies – Using the R&D UV/H_2O_2 AOP pilot test facilities located within AWPF to simulate UVPhox operation, investigate AOP of 1,4-dioxane at varying H_2O_2 and combined chlorine levels.

- Non-Targeted GCxGC TOF-MS – A collaborative project with Dr. Eunah Hoh of San Diego State University Graduate School of Public Health ($10,000) using a non-targeted approach by dual GC time of flight mass spectroscopy (GCxGC-TOFMS) in order to determine the scope of organic constituents in the UV feedwater to the AWPF Trojan UVPhox reactors, and the subsequent compounds in the product water following advanced oxidation. This project has potential for future NIEHS funding.
- Understanding Radical Chemistry and Kinetics in the AOP – Collaborative research project ($10,000) with Dr. Haizohu Liu, University of California, Riverside, that will combine previous OCWD radical rate constant determination with a multivariate computational model to simulate radical chemical reactions that can take place in the UV/AOP. Study radicals will include hydroxyl, various chlorine species and persulfate. Study substrates will include NDMA, 1,4 dioxane, 1,4 dioxilane, and several pharmaceuticals.
- Potential for Chlorine Species Advanced Oxidation – Investigation of performing chlorine radical advanced oxidation process (AOP) in the AWPF Trojan UVPhox reactors. This project represents a potential WateReuse Tailored Collaboration between OCWD and Dr. Stephen Mezyk from the Department of Chemistry and Biochemistry at California State University, Long Beach ($25,000).
- Investigation of the UV Fluorescence Decay Observed Across the UV/H_2O_2 AOP Using EEMs – Use of advanced excitation emission matrix spectroscopy (EEMs) methods (Horiba Aqualog) to investigate removal of fluorophores by photooxidation and advanced oxidation mechanisms, and use of these compounds as potential surrogates for evaluation of photooxidation and advanced oxidation efficiency in the AWPF Trojan UVPhox units.

♦ Task 5: Development and Optimization of a *Bacteroides* Human-Specific Fecal Contamination Assay Using Quantitative PCR (qPCR) – *Bacteroides thetaiotaomicron* is a human-specific fecal indicator organism that is currently being evaluated by the EPA as an additional fecal standard (legacy fecal standards are not human-specific). The OCWD R&D Department is one of a number of laboratories involved in seminal research to develop PCR methods capable of specifically detecting *Bacteroides*. Currently, our methods can detect this *Bacteroides* semi-quantitatively. More recently, *Methanobrevibacter*, a methanogen found in the human intestine and a putative sewage marker, has been proposed as a potential indicator of human fecal contamination. R&D will continue work to develop and optimize qPCR assays capable of completely quantifying both *Bacteroides thetaiotaomicron* and human-specific species of *Methanobrevibacter* in surface water, groundwater, and wastewater samples. These assays will be highly useful for source tracking human fecal and sewage contamination.

- Task 6: Incorporation of Next Generation Sequencing (NGS) into the Microbial Water Quality R&D Program - NGS sequencing such as the Illumina-based system combined with 16s DNA database (e.g. GENIUS) and qPCR, use 16s DNA gene sequences to determine the microbial community profile at the genius and possibly at species level. These methods can be used to determine the abundance and removal of the microorganism in complex matrices, and can characterize the microorganisms present in GWRS process waters after each stage of treatment. The microbial community profiles could also be compared to results from ongoing fecal indicator studies to quantify survival and removal of specific pathogens throughout the GWRS treatment process, including post-advance oxidation. These methods could be applied in conjunction with the current bacterial and viral analyses to identify organisms of interest (pathogens) and track their disappearance at various steps in the treatment train. In the future, NGS methods could be incorporated into the design and management of water reuse treatment systems. In addition, these methods could also be applied to gain greater understanding of the microbial transformation that occurs at OCWD recharge basins to identify and profile aerobic and anaerobic zones where microbial transformations of CECs are likely to occur. The OCWD R&D molecular biology laboratory will prepare samples by filtering, extracting total DNA, performing restriction enzyme digests and adding adapters to the digested DNA and index ID tags to differentiate organisms and for quantification. Once the samples are prepared they will be sent to an outside laboratory for NGS analysis.
- Task 7: Potential Mobilization of Metals During AWPF Recharge/Injection – R&D staff will continue to review field data and provide statistical analysis for Water Quality and Health and Regulatory staff to monitor mobilization of metals during longer term infiltration/injection of GWRS FPW into the groundwater basin. R&D staff will also provide oversight as required for the Stanford arsenic mobilization laboratory study. Of special interest in FY 2015-2016 will be following the monitoring well arsenic data from the GWRS Mid-Basin Injection Demonstration Project.

TALBERT BARRIER O&M (9908):

- Injection Well Fouling Issues – R&D staff will continue to provide ad hoc support for Barrier Operations, including microscopic, biological and biochemical analysis, as well as numerical analysis of field data as necessary.

FOREBAY O&M (9920):

- Task 1: Recharge Enhancement Working Group (REWG) Support – R&D staff at the Field Research Laboratory (FRL) will continue to provide scientific assistance and analytical support for implementation and performance analysis of recharge enhancement projects developed as an outcome of the REWG during the fiscal year, including:

- Sediment and water sampling using grab and autosample methods
- Basin sediment compositional analysis (particle size distribution by wet sieving methods)
- Soil permeametry
- Field percolation measurements with piezometers
- Use of large-scale percolation cells to test effects on percolation of physical parameters such as wind-waves, water-brooming, cross-flow velocity and others.
- Characterization of suspended solids contributing to basin fouling (including particle size distribution and microscopic identification)
- Percolation kinetic determination (using laboratory sediment columns)
- Water quality analyses (suspended solids, organic content, protein/carbohydrate/chlorophyll content, DO, pH redox potential)

- Task 2: Forebay Solids Monitoring Program – This project was conceived as a 5-year (multi-seasonal) monitoring program aimed at determining the quality and quantity of total suspended solids (TSS) that are impinging on the District's recharge facilities and how this changes seasonally over the span of several years. Extension of the program has been necessary due to successive dry years in order to capture data from a "wet" year in the study. As before, monitoring will takes place at key points in the Santa Ana River (SAR), the off-river facilities and the terminal recharge basins. Water samples from these points will be procured at intervals during base flow and storm flow conditions and analyzed for TSS, turbidity, particle size distribution and % organic content. Understanding the spatial and temporal distribution of this material will greatly improve the District's ability to predict future percolation capacity and the extent of sediment removal necessary for maintenance of sustainable recharge capacity.
- Task 3: Desilting Demonstration Project Phase III Support – This project will continue to assess the field-scale recharge efficiency of SAR water desilted by two schemes: a cloth-fabric filter silt removal plant that will provide recharge water to Riverview Basin and a subsurface passive collection unit placed below the Off-River Facilities that will provide recharge water to Olive Basin. During this phase of the project, R&D staff will provide management guidance as required and analytical support in the form of water sample collection and analysis for suspended constituents to determine the effectiveness of each of the desilting schemes.

ADVMET (9953):

- Task 1: Seeking Collaborative Research and Grant Funding* – continue to seek collaborative research by partnering the research facilities at OCWD with water research groups such as the NWRI, the Stanford University ReNUWiT NSF ERC, the UCI Urban Water Research Center as well as with academic and industrial laboratories to promote development of new water

purification technology. Continue to seek funding from WRF, WRRF, EPA, U.S. Bureau of Reclamation and other sources as is available to support research projects.

- Task 2: Research and Development of Advanced Analytical Methods Useful for Current and Future Research Activities* - development of new analytical methods as required for support of projects.
- Task 3: Participation in PACs and Advisory Committees for FY 2015-16 –
  - WRRF project 14-06 "Methodology for Assigning Pathogen Removal Credits for Sub-Surface Desalination Intakes" (Menu Leddy).
  - WRRF 14-02 project "Establishing additional log reduction credits for WWTPs" (Menu Leddy).

V Pending Activities

- Pilot Scale Comparison of Hydrogen Peroxide to Combined Chlorine as an RO Biostat/Biocide – Previous research has indicated that as with combined chlorine, hydrogen peroxide at relatively low dosages (4-5 mg/L) can act as a biostat/biocide, reducing accumulation of microorganisms and improving RO performance. Hydrogen peroxide would be desirable for use in this role because of its reduced disinfection byproduct formation and the potential cost-savings for its use in the AWPF. This study would use a pair of MF/RO pilot units operating in parallel on Q1 to compare the effectiveness of hydrogen peroxide with monochloramine as an RO biostat/biocide. Special attention would be paid to hydrogen peroxide demand over time and the required dosing strategies necessary to maintain an effective hydrogen peroxide residual throughout the RO feed channel. This project is deferred until the pilot-scale MF facilities on the Pilot Research Center become available.
- Influence of Combined Chlorine Exposure on MF Efficiency – It is generally thought that exposure to combined chlorine improves MF efficiency by reducing biological fouling. There appears to be a paucity of direct quantitative evidence supporting this hypothesis. Moreover, recent studies indicate that nanoparticulate pore plugging and not biological fouling is the primary mechanism leading to reduction in MF performance in the AWPF. This relatively short-term study (three months) is proposed to quantify the actual impact that combined chlorine species have on the long-term MF fouling in the AWPF by utilizing the two pilot MF units in parallel to compare the rate of flux decay and time to CIP in the presence and absence of combined chlorine under nominal AWPF operating conditions. Besides clarifying the actual role combined chlorine plays in affecting water production efficiency, this study may suggest alternative addition strategies for microbicides that may improve reduce operating costs and expand the potential for use of alternative disinfection chemistries (such as hydrogen peroxide). This project is deferred until the pilot-scale MF facilities on the Pilot Research Center become available.

- Pilot Evaluation of Pre-Coagulation on the Efficiency of Water Production by MF/RO* – If the Pilot Research Center is available, perform pilot-scale testing using coagulant pretreatment to determine optimum pretreatment concentrations and effects on pilot-scale RO membrane performance. If funded during the fiscal year, OCWD might receive a pilot MF/RO system via participation in a CEC-sponsored project with Ganesh Rajagopalan (Kennedy Jenks) that will examine the application of nanoscale detection technologies to monitor/predict MF fouling. Part of this study will involve application of MF pre-coagulants to vary the nature of the nanoparticulates.
- Computational Fluid Dynamic (CFD) model of the Trojan UVPhox Reactor Train - When sufficient data concerning the major participating oxidative species are known, staff from R&D work with Dr. Joel Ducoste from the Department of Civil, Construction and Environmental Engineering at North Carolina State University to construct a computational fluid dynamic (CFD) model of the Trojan UVPhox reactor train capable to predict the destruction of current and future organic contaminants using their radical oxidative rate constants.
- Comparison of the Rapid Assimilable Organic Carbon (AOC) Method with BDOC Analysis of Water Samples – R&D staff will continue to utilize the rapid bioluminescent AOC method to evaluate OCWD surface water, groundwater wastewater, reclaimed water and Prado Wetland treated water samples. In addition, if possible staff will work with City of Raleigh-EM Johnson Water Plant to transfer the rapid bioluminescent AOC method to the EM Johnson Water Plant for monitoring of AOC and compare AOC concentrations from both facilities with BDOC measurements which will be performed by EM Johnson Water Plant. The accumulation of data and comparing AOC concentrations with BDOC measurements will help validate the rapid AOC assay as possibly a more sensitive alternative to BDOC measurements.
- Bacteriophage Testing Facility Support – If desired by the Advanced Water Quality Assurance Laboratory (AWQAL), the R&D Department will assist in implementation of a bacteriophage testing facility, including staff training, setup and quality control assessment.

VI Staff Addition Needed for FY 2015-16

None

VII Future Issues

- Proposed expansion of the current MF/RO Pilot Testing Facilities – R&D currently has several medium- to long-term projects on hold due to a lack of access to the current MF/RO Pilot Testing Facilities. It is clear that additional facilities are going to be required if R&D is to investigate any of these projects that require testing at pilot scale either with MF alone, or MF/RO combined.
- Support of Water Production's evaluation of new technologies capable of improving water reclamation efficiency through integration into the AWPF facility, including:

- Sensing methodologies capable of real-time or near-real time assessment of the RO and AOP barriers to contaminants of public health concern.
- Next generation MF and RO membranes for the AWPF.
- New or improved AOP methodologies (e.g., catalytic AOPs).
- New chemical treatment techniques capable of enhancing MF and RO effectiveness and reducing operating costs.
- Forward osmosis (FO) technologies for enhancing water recovery.

♦ Evaluation of new methodologies capable of enhancing recharge efficiency, including:

- Implantable remote sensing systems to monitor distribution of percolation in recharge facilities.
- Basin cleaning methodologies capable of enhancing basin performance, including deep basin BCVs and "self-cleaning" groundwater recharge systems (e.g., cross-flow systems).

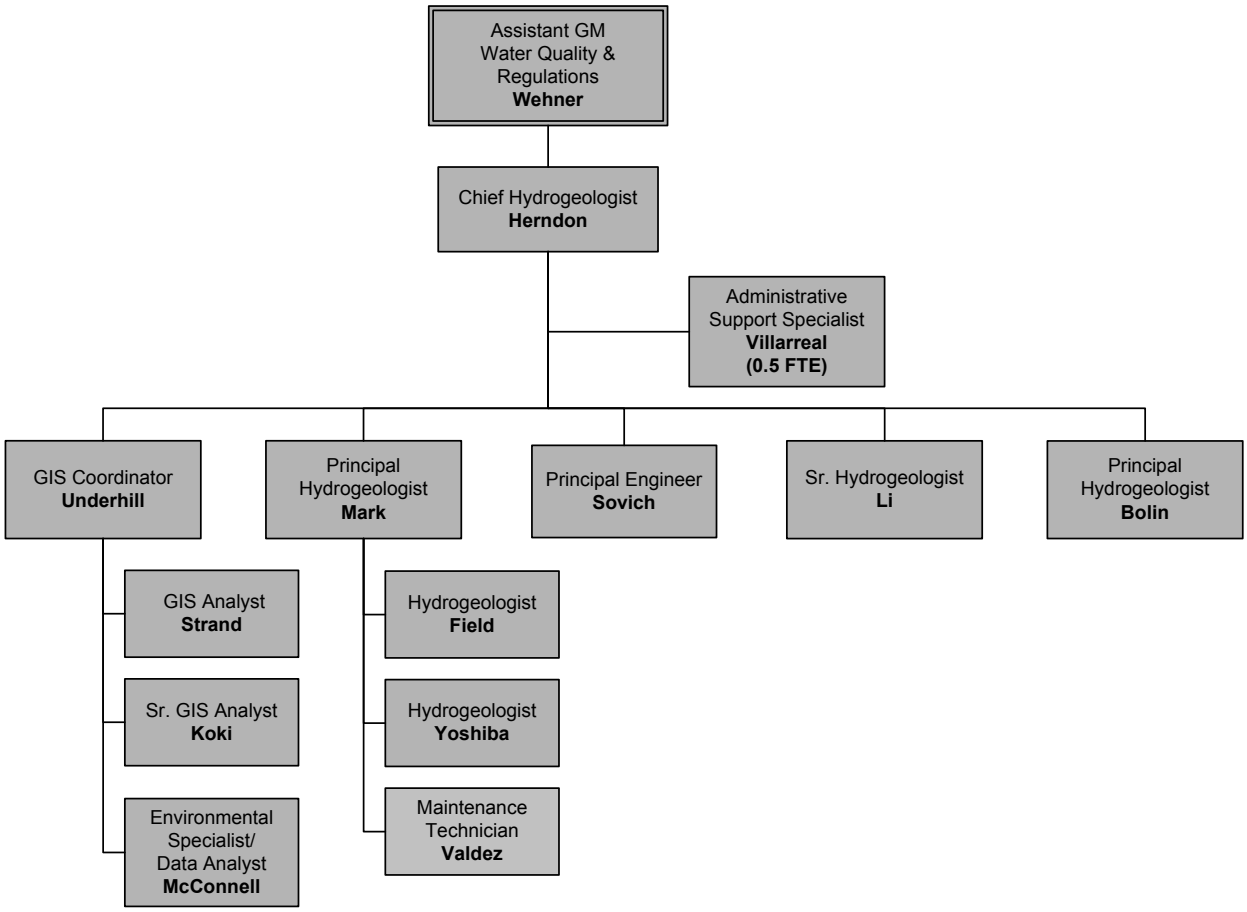
♦ Evaluation of new and novel methods of surface and groundwater quality assurance, including:

- Molecular biological methodologies for virus and bacterial pathogen detection.
- New solid-state, real-time detection methodologies for biological and chemical species of public health concern.
- Water treatment technologies for improvement of SAR water quality prior to infiltration.
- Long-term effects of GWR System product water recharge on the groundwater basin.

** Legacy grant funded projects or projects with guaranteed funding

* Projects with potential for grant funding

HYDROGEOLOGY



Summary Information

Existing Staff - 12.5 FTE

1 – Chief Hydrogeologist
1 – Principal Engineer
2 – Principal Hydrogeologists
1 – Senior Hydrogeologists
2 – Hydrogeologists
1 – GIS Coordinator
1 – Senior GIS Analyst
1 – GIS Analyst
1 – Environmental Specialist/Data Analyst
1 – Maintenance Technician
0.5 – Administrative Support Specialist (shared with Regulatory Affairs)

Mission

Define the physical characteristics of basin aquifers, determine groundwater flow pathways, and provide analyses and recommendations necessary to manage groundwater production, recharge, groundwater quality protection and remediation, seawater intrusion, and water levels within the Basin.

Key issues for FY 2015-16

- Complete remedial investigation and feasibility study of remedial alternatives to address groundwater contamination in the North Basin area.
- Increase capacity of the Alamitos Seawater Barrier by installing additional injection wells to control seawater intrusion.
- Conduct remedial investigation and feasibility study of remedial alternatives to address groundwater contamination in the South Basin area.
- Analyze data from newly constructed monitoring wells to characterize sources and extent of seawater intrusion in Sunset Gap.

Account Information	FY 2013-14 Actual	FY 2014-15 Budget	FY 2015-16 Proposed Budget
Salaries and Benefits	1,778,605	1,671,285	1,777,442
Services and Supplies	204,006	196,500	1,705,500
Total	**$1,982,611**	**$1,867,785**	**$3,482,942**

I FY 2015-16 Major New Initiatives/Programs

- Per Board approval in 2013 and 2014, staff is proceeding with installation of 17 injection wells to increase the capacity of the Alamitos Seawater Barrier. The need for these wells was demonstrated by the finding of seawater intrusion between existing injection wells from monitoring wells and corroborated with a groundwater flow model. Four monitoring wells will also be installed to monitor the performance of the additional injection wells.
- Based on results of the CPT investigations and other data, staff plans to continue with a remedial investigation and feasibility study to evaluate remedial measures to control the spread of chlorinated volatile organic compounds (VOCs) and perchlorate in the South Basin area.
- Completion of the remedial investigation and feasibility study are planned that will lead to a proposed remedial action plan to address a large VOC contaminant plume in the North Basin area.

II Core Activities

The objectives of the Hydrogeology group are to define the physical characteristics of basin aquifers, determine groundwater flow pathways, and provide analyses and recommendations necessary to manage groundwater

production, recharge, quality, and water levels within the basin. Core functions include:

- Groundwater level monitoring and calculation of basin storage, including support for the Annual Engineer's Report.
- Refinement and operation of the basin groundwater flow model used to evaluate the effects of basin management alternatives, proposed well fields, recharge projects, and pumping variations.
- Evaluation of the Talbert and Alamitos seawater barrier performance.
- Evaluation of seawater intrusion in the Bolsa and Sunset gaps.
- GIS map production and database support for projects, planning, reports, and presentations.
- Enhancement and maintenance of the Water Resources Management System (WRMS).
- Technical support and assistance for the groundwater producers.
- Preparation of the monthly Water Resources and annual Santa Ana River Watermaster reports. Funds for contracting with the U.S. Geological Survey to collect SAR flow measurements are budgeted annually. These measurements are essential for preparation of the Watermaster reports, storage operations at Prado Dam, and calculation of recharge volumes.
- Basinwide water level monitoring program of over 200 wells and trend analysis.
- Review and evaluation of site-specific groundwater contamination investigations and cleanups overseen by regulatory agencies.
- Hydrogeologic analysis of recharge project feasibility studies.
- Evaluation of RA/BEA exemption requests.

III Non-Core Activities

None

IV Group Goals for FY 2015-16

The following programs are highlighted as major activities encompassed within or in addition to the core group activities listed above:

North Basin Groundwater Protection Project – Completion of the remedial investigation and feasibility study of remedial alternatives to address VOC contamination.

South Basin Groundwater Protection Project – Continue remedial investigation and feasibility study of remedial alternatives to address VOC and perchlorate contamination.

MTBE Investigation and Remediation – Evaluate measures to remediate MTBE contamination at selected locations.

WRMS and Basin Model Upgrades – Train and familiarize end users with the recently upgraded data query interface software for the Water Resources Management System (WRMS); research replacement software for the geologic cross section construction software that is becoming antiquated.

Alamitos Gap Seawater Intrusion – Construct 17 injection wells and 4 monitoring wells to strengthen the Alamitos Barrier.

Sunset Gap Seawater Intrusion – Analyze data from six new monitoring wells constructed in 2014-15 to characterize sources and extent of seawater intrusion.

East Newport Mesa Hydrogeologic Characterization – Evaluate data from 10 new monitoring wells constructed in 2014-15 to investigate the hydraulic connection between the Shallow and Principal aquifers in the area south of the 405 Freeway.

Litigation Support – Provide support as needed for the MTBE, North Basin, and South Basin cost recovery actions.

Basin Hydrogeologic Characterization – Refine/update basin-wide geologic cross-sections based on substantial amounts of new data collected since 2000. Cross sections are routinely used in a variety of basin analyses, including water quality evaluations and designing new production wells.

V Pending Activities

None

VI Staff Addition Needed for FY 2015-16

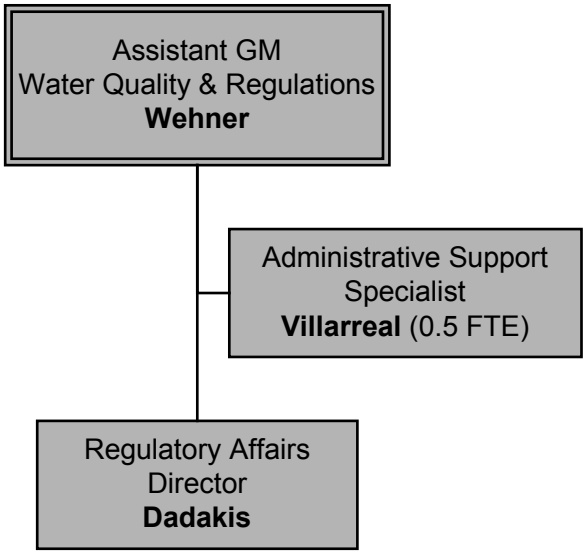
None

VII Future Issues

In the next two to three years, issues involving the Hydrogeology group that the District will need to consider include:

- Long-term expansion alternatives of the Alamitos Seawater Barrier.
- Evaluation of seawater intrusion control alternatives in Sunset Gap.
- Implementation of remedial measures for the North Basin groundwater contamination.
- Implementation of South Basin Groundwater Protection Project and MTBE remediation systems.
- Continued maintenance and evaluation of aging monitoring well network, including plans for well refurbishment and replacement as necessary.

REGULATORY AFFAIRS



Summary Information

Existing Staff – 2.5 FTE

1 – Assistant General Manager – Water Quality & Regulations

1 – Regulatory Affairs Director

0.5 – Administrative Support Specialist (shared with Hydrogeology)

Mission

Help to assure reasonable regulation of District projects and programs through interface with regulatory agencies, acquisition of necessary permits, and implementation of water quality monitoring and research programs to support district goals and compliance with current and anticipated future regulatory requirements.

Key issues for FY 2015-16

- Address any regulatory deficiencies identified in the required assessment of GWRS project compliance with Final Groundwater Recharge Reuse Regulations adopted by the Division of Drinking Water (DDW) in June 2014.
- In consultation with DDW and RWQCB regulatory staff, rewrite and gain approval for new GWRS permit to facilitate future implementation of GWRS Final Expansion and more clearly document updates to operational, monitoring, and reporting requirements due to changes in regulations and project features since original permit structure was adopted in 2004.
- Coordinate preparation and submittal of 2015 GWRS Annual Report and 2014-15 Annual SAR Water Quality Report.

- Lead preparations for the 2015 annual meetings of the NWRI Independent Advisory Panels for the GWRS, including subcommittees, and SAR Monitoring (SARMON).
- Continue to support Planning Department with SARI Line/OCSD Plant No. 2 Water Quality study in support of Final GWRS Expansion feasibility assessment.
- Support site acquisition and permitting (e.g. CEQA, RWQCB/DDW) efforts for additional mid-Basin injection well sites (e.g., Centennial Park, ARTIC site) to recharge GWRS water.
- Continue to facilitate the Purification Enhancement Working Group (PuREWG), the internal multi-department working group focused on new ideas and enhancements to improve both short-term and long-term GWRS operational efficiency and water quality.
- Oversee and facilitate collaboration between District and the ReNUWIt National Science Foundation (NSF) Engineering Research Center (ERC), especially on the experimental open-water test cells operating at the District's Prado Wetlands Facility.
- Continue to manage and support laboratory investigation of GWRS water post-recharge/injection water quality dynamics with Stanford University, with an emphasis on limiting/reducing the mobilization of metals.

Account Information	FY 2013-14 Actual	FY 2014-15 Budget	FY 2015-16 Proposed Budget
Salaries and Benefits	527,622	538,963	554,056
Services and Supplies	176,832	204,550	201,650
Total	**$704,454**	**$743,513**	**$755,706**

I FY 2015-16 Major New Initiatives/Programs

Plan and conduct artificial tracer tests at Burris and Santiago Basins to document subsurface retention times such that both facilities could be used for future GWRS recharge.

II Core Activities

The Regulatory Affairs Group is primarily responsible for the District's permits with the RWQCB, DDW and the Orange County Health Care Agency (OCHCA) and assuring compliance with all monitoring and quality requirements.

Core activities include:

- Manage Water Quality and Technology Group, which includes the Laboratory, Water Quality, Regulatory Affairs, Hydrogeology, and Research & Development.

- Obtain permits and negotiate conditions for District projects and facilities from health and regulatory agencies; RWQCB, CDPH, OCHCA.
- Assure compliance with permit conditions, including monitoring and reporting to regulatory agencies.
- Coordinate between OCWD Laboratory, OCSD Laboratory and OCSD Environmental Compliance/Source Control staff to identify compounds of concern for regulation by the GWRS Source Control Program, including testing needs and concentration limits.
- Manage and coordinate OCWD participation in external research projects with via funding support, in-kind contributions, the provision of providing water quality samples and historical data, and the review of draft reports.
- Continue to support Planning and Engineering Departments with water quality and permitting needs for Demo and Full-Scale Mid-Basin Injection Projects.
- Coordinate with NWRI on management of Independent Advisory Panels (IAP) appointed for GWRS and SAR monitoring.
- Evaluate recommendations from the NWRI GWRS IAP and prioritize implementation.
- Review sampling and analysis program results for the Santa Ana River and follow up on recommendations from the SARWQH Study and the SARMON NWRI IAP.
- Serve as primary liaison between with the SAWPA Emerging Constituents Workgroup.
- Support Planning Department requests for regulatory approval to use GWRS water for field-demonstration hydraulic injection testing and the testing of new pilot scale recharge and infiltration systems.
- Participate in optimization process for GWRS to improve treatment efficiency and product water quality.
- Coordinate with OCWD and OCSD Operations staff to improve understanding of links between secondary treatment and GWRS product water quality.
- Coordinate with regulatory agencies and other water agencies regarding monitoring requirements for CECs.
- Provide consultation to other OCWD groups (e.g., Public Affairs), MWDOC,and the groundwater producers on water quality, health and regulatory issues affecting District projects or programs.
- Assist in review and development of legislation regarding water quality requirements and recycled water.
- Assist Public Affairs staff with the development and review of technical information to be included in District brochures and the enhanced hallway panels, kiosks, and displays.

III Non-Core Activities

Non-core activities (secondary priority compared to core activities) conducted by the Regulatory Affairs include:

- Serve on NWRI Board, WateReuse Research Foundation (WRF) Board, Orange County Chapter of WateReuse California Board, Southern California Salinity Coalition Board, Industrial Advisory Board of ReNUWIt NSF ERC, Orange County Water Association (OCWA) Board, Orange County Chapter of WateReuse CA Board, and as OCWD liaison with Water Environment Research Foundation (WERF).
- Participate in Expert Panels for NWRI regarding water recycling and reuse projects planned by other agencies.
- Serve on Project Advisory Committees (PACs) for AWWARF, WERF and WRF funded projects and coordinate service of other staff on such PACs.
- Provide presentations to Water Education Foundation and other groups regarding water quality, health and regulatory issues.
- Assist other water agencies in addressing water quality issues related to groundwater recharge with recycled water.

IV Group Goals for FY 2015-16

- GWRS Regulatory Compliance – Successfully address any regulatory compliance deficiencies identified in the required assessment of GWRS project compliance with Final Groundwater Recharge Reuse Regulations adopted by the Division of Drinking Water (DDW) in June 2014.
- GWRS Annual Report – Manage preparation of the annual report to regulatory agencies on the seventh year performance of GWRS and results from testing required by the permit.
- Supplement to GWRS Annual Report - With the assistance of the Water Production and Water Quality Departments, prepare report containing additional detailed analysis of GWRS performance as requested by NWRI GWRS Independent Advisory Panel.
- Santa Ana River Monitoring – Manage the water quality sampling and analysis for the SAR in follow up to the SARWQH Study and the recommendations of NWRI's SAR Monitoring Advisory Panel, and prepare the 2014-2015 SAR Water Quality Report.
- GWRS Final Expansion Planning – Complete evaluation of SARI/OCWD Plant No.2 Water Quality, GWRS IAP review, and other stakeholder outreach (e.g., OCSD, SAWPA) to determine feasible influent flow options to support GWRS Final Expansion.
- Demonstration Mid-Basin Injection – Evaluate post-construction data collection and analysis for full-scale project development and permitting.
- Full-Scale Mid-Basin Injection – Support property acquisition activities and related permitting.

- GWRS Water Stabilization Studies – Support contracted Stanford University researcher performing laboratory studies by providing soil and water samples, GWRS water quality data, and recharge basin/injection well operational information; review interim results and draft reports, and otherwise direct research to obtain GWRS operation parameters, especially for post-treatment stabilization to limit and/or reduce aquifer metals mobilization.
- Enhanced GWRS Source Control – Continue to coordinate with OCSD on the development and implementation of a formal Response Plan to prevent contaminants from adversely affecting GWRS as a part of OCSD's commitment to enhanced source control efforts.
- North Basin Groundwater Protection Project – Provide technical support for the North Basin Groundwater Protection Project and guidance relative to regulatory requirements for recharge of product water.
- South Basin Groundwater Protection Project – Provide technical support for the South Basin Groundwater Protection Project and guidance regarding regulatory alternatives for cleanup and reuse of contaminated groundwater.
- Laboratory Groups - Since monitoring needs exceed resources in Water Quality and Laboratory Groups, programs and projects must be contintually evaluated and prioritized.
- R&D for District Critical Needs – Through PuREWG, REWG, and other avenues, coordinate the Research & Development Department efforts with the most critical research needs for the District, including recharge enhancement, MF/RO optimization, UV-AOP optimization and microbial characterization of SAR recharge waters.

V Pending Activities

Major activities that are not being implemented include:

- Develop annual water quality report card on the groundwater basin.
- Develop more comprehensive water quality testing program to assure adequate data for assessment of emerging contaminants, threats to producer wells and seawater intrusion.

VI Staff Addition Needed for FY 2015-16

None

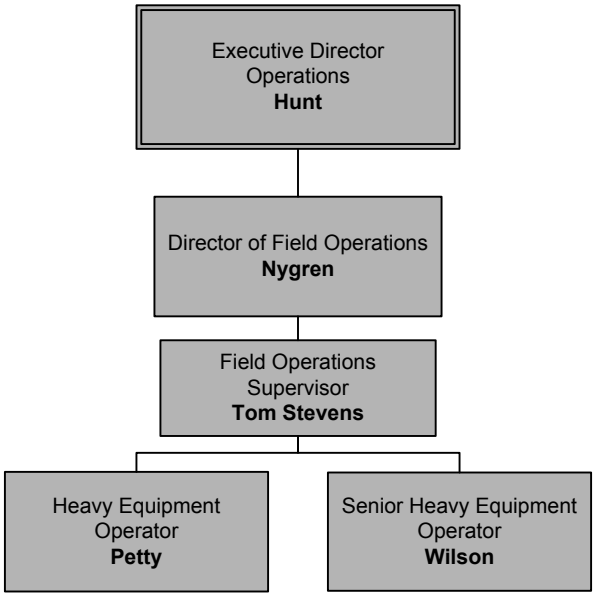
VII Future Issues

In the next one to three years, issues that the District will need to consider include:

- Additional locations for GWRS water recharge or injection to support GWRS Final Expansion.
- Evaluation of new technologies to enhance treatment in the GWRS and to improve energy efficiency and reduce chemical costs.

- New and more stringent drinking water standards for contaminants like total VOCs, nitrosamines, 1,4-dioxane, perchlorate, hexavalent chromium, arsenic, and disinfection by-products of new concern.
- Possible applications of groundwater recharge regulations to the use of SAR water for recharge.
- Enhanced monitoring and possible treatment requirements for the discharge of GWRS RO concentrate to the OCSD outfall.
- Expanded source water assessment obligations that could include the entire SAR watershed and all potential contaminating activities in the watershed.
- The application of bioanalytical techniques (e.g., *in vitro* bioassays) to as a supplemental screening technique and/or regulatory requirement for potable reuse and/or drinking water supplies.

WETLANDS OPERATIONS



Summary Information

Existing Staff – 3 FTEs

1 – Director of Field Operations
1 – Senior Heavy Equipment Operator
1 ─ Heavy Equipment Operator

Mission

- Operate and maintain the Prado Wetlands to provide natural water quality treatment of Santa Ana River flows behind Prado Dam.
- Provide operational oversight and maintenance of district property within the Prado Basin.
- Provide logistical and operational support for research activities.
- Provide operational support for Natural Resources division.
- Coordinate operations with tenant recreational use.

Key Issues for FY 2015-16

- Implement operational strategy to maintain optimal treatment retention time.
- Provide logistical support for OCWD collaborative research project with the Engineering Research Center.
- Re-configure E7 Test Cells by raising pond elevation and removing damaged conveyance pipe.

- Continue to implement improvements to ponds, conveyance channels, and SAR levee infrastructure.

Account Information	FY 2013-14 Actual	FY 2014-15 Budget	FY 2015-16 Proposed Budget
Salaries and Benefits	356,154	379,765	400,094
Services and Supplies	192,366	207,450	202,700
Total	**$548,520**	**$587,215**	**$602,794**

I FY 2015-16 Major New Initiatives/Programs

- Adjust operational strategy by de-watering designated ponds to maintain optimal treatment retention time due to reduced SAR baseflow.
- Provide logistical support for OCWD collaborative research project with the Engineering Research Center.
- Implement outfall and access road improvements to mitigate impact of nuisance flow from River Road Bridge culvert onto district property.
- Re-configure E7 Test Cells, used by researchers from UCR, to accommodate current experimental protocols.

II Core Activities

The Wetland Operations group is primarily responsible for the management and operation of the wetland facilities that provide natural water quality treatment of SAR flows behind Prado Dam. The group also supports the Natural Resources group by providing operational oversight and maintenance of OCWD property within the Prado Basin.

Core activities include:

- Provide natural water treatment of SAR flows through constructed wetlands in the Prado Basin;
- Evaluation of water quality parameters to optimize wetlands operations for maximum nitrate removal;
- Maintenance of the levees, roads and conveyance piping within the wetlands;
- Reconstruction of earthen structures and conveyances following storm events to ensure 50 percent of river flows through wetlands;
- Support of district approved research projects.

III Non-Core Activities

Non-core activities conducted by the Wetlands Operations group include:

- Oversight and operational support of wetlands research projects.
- Collection and analysis of pond water quality data.

- Support of the District's education and outreach program by providing tours of the wetlands system.
- Support of volunteer functions, such as open houses and group tours.

IV Group Goals for FY 2015-16

Implement Operational Strategy for Optimal Water Treatment Retention Times:

Adjust ponds operations to de-water approximately 100 acres of ponds to reduce system volume thus maintaining optimal treatment retention time due to reduced SAR baseflow.

Modify Vegetation Management Techniques:

Use OCWD equipment to mow dry vegetation in de-watered ponds.

Provide Logistical Support for Collaborative Research Project:

Operate and maintain pond infrastructure per design specifications in support of research project with the Engineering Research Center.

Improvements to Wetlands Infrastructure:

- Re-grade Pond E7, remove damaged pipe
- Re-build access crossing at sewage plant outfall.
- Grade and repair levees in and around pheasant field.

Implement River Road Bridge Outfall and Access Road Improvements:

Construct extension apron at Road Bridge culvert to divert nuisance street runoff flow from Bluff Street mitigation area.

V Pending Activities (Not Being Addressed Due to Insufficient Resources)

Major activities that are not being conducted include:

- Re-establishment of damaged or destroyed monitoring wells to determine the movement of groundwater under the wetland ponds.
- Establish SAR streambed gauging station at River Road Bridge.

VI Staff Addition Needed for FY 2015-16

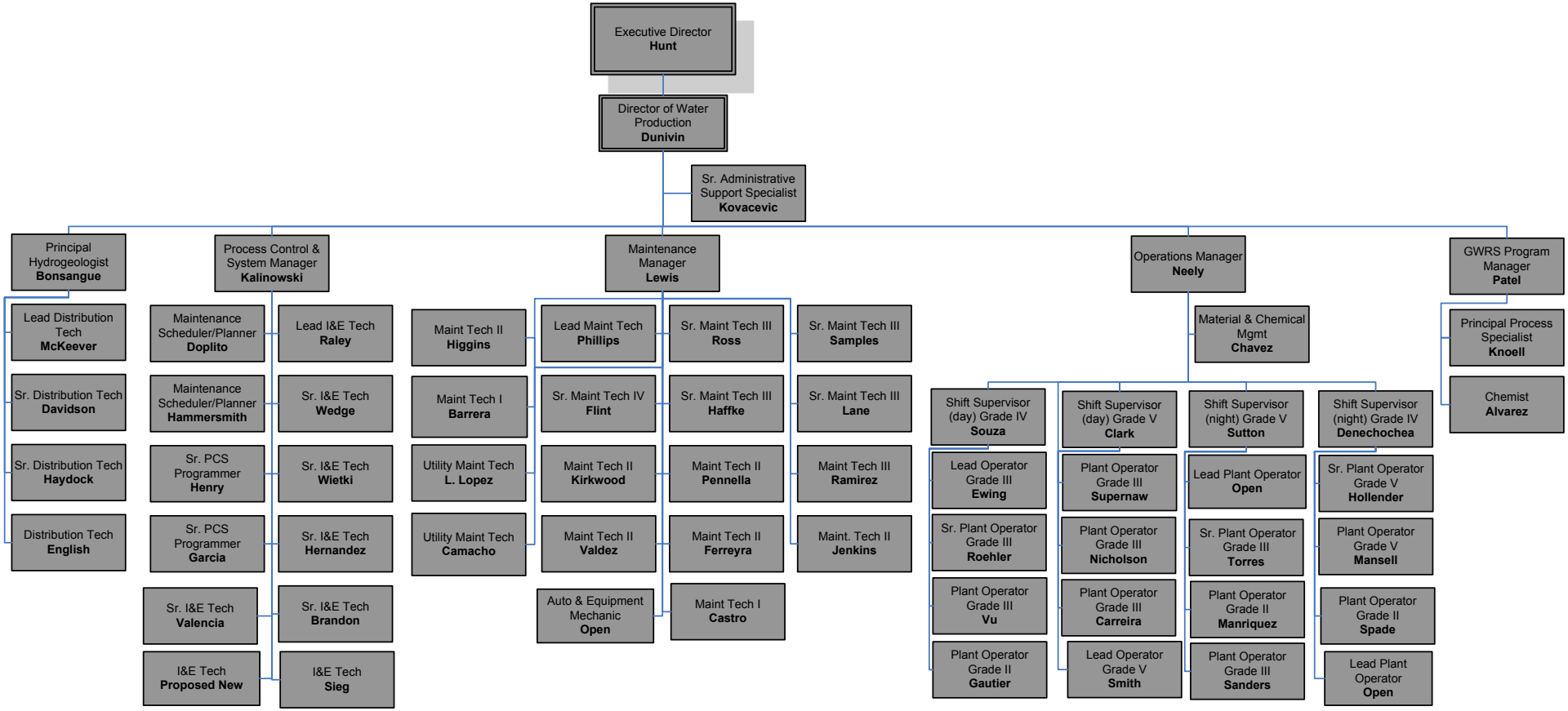
None

VII Future Issues

In the next one to two years, issues the District will need to consider include:

- Replacement of non-tier 3 compliant equipment at Prado which includes a dump truck and a D-6 Bulldozer.
- Replacement of diversion channel control structure.

WATER PRODUCTION/GROUNDWATER REPLENISHMENT SYSTEM



Existing Staff – 64 FTEs

1 – Executive Director of Operations
1 – Director of Water Production
1 – Senior Administrative Support Specialist
1 – Principal Process Specialist
4 – Supervisors (Operations Manager, GWRS Program Manager/Process Manager, Process Control & System Manager and Maintenance Manager)
20 – Operators
14 – Maintenance Technicians
1 – Vehicle and Equipment Technician
2 – Utility Maintenance Technicians
2 – Maintenance Scheduler/Planners
1 – Material and Chemical Management Technician
8 – Instrumentation & Electrical Technicians
2 – Process Control System Programmers
1 – Chemist
1 – Principal Hydrogeologist
3 – Senior Distribution Technicians
1 – Distribution Technician

Mission

Operations and maintenance (O&M) of the GWRS Advanced Water Purification Facility (AWPF), Talbert Barrier and Green Acres (GAP)

Key Issues for FY 2015-16

- Maximize operation of GWRS processes:
  - With the GWRS initial expansion complete work with the Orange County Sanitation District to make as much water as possible for GWRS production.
  - Goal for 2015-16 production 103,000 acre feet.
  - Send all non-barrier production to Miraloma and Kraemer/Miller basins.
  - Continue to control or reduce the water treatment unit cost by getting the best possible price on electricity, chemicals and spreading the system's fixed costs over the maximum possible production.
  - Optimize operation of new 15 million gallon flow equalization facilities to maximize GWRS production.

- Reduce GWRS processing costs:
  - Continue optimization of MF backwash and cleaning regimes.

- Optimization of RO cleaning regimes by optimizing clearing chemical concentrations and cleaning intervals.
- Optimization of RO pretreatment chemical program, which includes the use of acid and antiscalant to reduce cost and prevent mineral scaling of membranes in the 3rd stage of RO units.
- Optimize use of new RO energy recovery devices in six new RO units to reduce energy cost and/or balance flux performance.
- With the current success of identifying an antiscalant that helps control mineral scaling, continue pilot research to make the final steps toward RO operations at pH 7. Progress to date has saved approximately $1,800,000 annually. Adjustment from pH 6.9 to 7.0 would further reduce acid usage - potentially saving another $300,000 annually. At the same time, continue to engage manufacturers to develop and evaluate antiscalant formulations toward this goal.
- Work with purchasing to find and procure the best chemical pricing.
- Energy use reduction, load shifting to less expensive nighttime hours where possible, and participation in demand response programs that offset the cost of electricity.
- In the second year of 5 year energy contract that is helping maintain costs of energy.
- Lifespan extension of both MF and RO membranes.
- Continue efforts to maximize UV lamp life to 12,000 hours.
- Continue to replace older RO membranes in phases and planned approach to maintain water quality with the purchase of 3 sets of 1,050 RO membrane elements.

♦ Manage GWRS assets by:

- Continued implementation of a robust preventative maintenance program using the Maximo computerized maintenance management system (CMMS).
- Staff continues to update GWRS the work plans in the CMMS to reflect knowledge gain with 6 years of experience operating the treatment plant.
- Staff adding all new equipment supplied for the GWRS expansion to the CMMS.
- Continued development of staff capabilities to make both minor and major mechanical and electrical repairs on equipment and facilities. These internal capabilities assure fast response, quality repairs and lower cost.

- Begin replacement of original MF membranes in a limited number of cells based on manufacturing availability from Evoqua.
- The new Tekken lime system is being optimized for delivery of non-corrosive water into distribution system by effective lime post treatment with confirmatory testing.
- Protection of injection wells by delivery of low particle water.
- Effectively manage the warranty claims and contractor required repairs for the GWRS initial expansion equipment during the one year warranty period.

Account Information	FY 2013-14 Actual	FY 2014-15 Budget	FY 2015-16 Proposed Budget
Salaries and Benefits	7,903,803	7,326,254	8,812,826
Services and Supplies	15,612,398	17,489,200	19,966,434
Total	**$23,516,201**	**$24,815,454**	**$28,779,260**

I FY 2015-16 Major New Initiatives/Programs

- Continue to monitor changes in the MF membrane backwash and cleaning intervals to increase process efficiency and production.
- Evaluate and test current and developmental Evoqua PVDF MF membranes using pilot units.
- Engage low-pressure membrane manufacturers to initiate evaluations of alternative products capable of successfully operating on AWPF source water and could be retrofitted into existing infrastructure.
- As the RO membranes age, investigate methods to effectively clean them extend their life to 5 years without reducing salt rejection effectiveness and to control energy use.
- Develop key performance factors that help identify and predict MR and RO membrane end of life conditions.

II Core Activities

- O&M of the 100 mgd GWRS AWPF.
- O&M of the 102 well Talbert Injection Barrier
- O&M of the GAP treatment plant.
- GWRS engineering and research aimed at maintaining and optimizing treatment plant performance, production and the Talbert Barrier.

- Administering the joint OCWD & OCSD GWRS Steering Committee meetings.
- Facilitate monthly OCWD and OCSD Joint Operation Committee meetings.

III Non-Core Activities

- Participate in technology transfer on advanced treatment with other water districts, consultants, public agencies, and industry organizations.
- Provide in-kind support as specified by OCWD for participating Water Reuse Research Foundation and Water Research Foundation research projects.
- Provide technical support on various wellhead treatment systems throughout Santa Ana Watershed.
- Provide technical support as needed to the Water Quality, Engineering, Hydrogeology, Public Relations and Health & Regulatory Departments.
- Provide facility maintenance support for OCWD's Fountain Valley facilities.
- Provide support to set up meetings and events.
- Provide instrumentation and electrical support to OCWD's recharge and Prado operations.
- Provide data collection and monitoring support for the Research & Development Department.
- Provide technical updates and participate in meetings with the GWRS Independent Advisory Panel.
- Provide assistance with GWRS tours for the Publics Affairs Department as necessary.
- Provide any required GWRS technical and operational information for outside data requests.

IV Group Goals for FY 2015-16

GWRS –

1. Produce up to 103,000 acre feet of water for recharge and injection.
2. Continue efforts to control net production cost to less than $500 per acre foot.
3. Continued development of the CMMS for the GWRS and update maintenance requirements for existing and new equipment associated with the GWRS Initial Expansion.
4. Continued development of databases to help staff monitor the individual process performance of the MF, RO and UV treatment systems.

GWRS Engineering/Research Center –

1. Provide bench and pilot scale evaluations of major process changes before implementation in the full scale GWRS.
2. Evaluation of the MF and RO operating strategies, cleaning protocols, and chemical usages to increase production, reduce operating cost, and extend asset life.
3. Test new MF/UF membranes or systems available in the current market as possible for possible use in existing GWRS or GWRS Final Expansion.
4. Evaluate commercially available RO technology and membranes in anticipation of future large-scale replacements.
5. Evaluate the impact of feedwater quality on MF and RO membrane performance and Talbert Barrier wells through the operation of various remote membrane/filter monitoring systems and additional water analysis.
6. Provide support as needed to the OCWD lab, R&D, and other District departments.
7. Support the science, technology and practice of water reuse through providing researchers site access to conduct studies funded by the WateReuse Research Foundation and others.
8. Participate in technology transfer initiatives, including serving as project advisors and presenting information at conferences and symposiums.
9. Continue collaborations through the Dow Application Center – established to streamline development and evaluation of the very latest membrane chemistries and technologies. Solicit collaborations with other leading membrane manufacturers such as CSM and Hydranautics toward the same objectives.
10. Develop statistical parameters for process control for critical control points in keeping with recommendations from the GWRS Independent Advisory Panel.
11. Work with engineering to bring the Mid Basin demonstration project on line.

OCSD –

1. Continue with joint operations meetings with OCSD plant operations and source control and OCWD staff to ensure both agencies are knowledgeable of issues with each other's operations.
2. Coordinated day to day operation and optimization of the new 15 million gallon volume flow equalization storage tanks.

CDPH and the RWQCB –.

1. Prepare an Annual Report on the GWRS operation with District staff and outside consultant.

2. Assist the District's Health and Regulatory department in amending the current permits to include the Initial Expansion of the GWRS.

Talbert Barrier –

1. In conjunction with the barrier staff continue evaluating the corrosivity and injection well fouling propensity of the GWRS finished product water.

V Pending Activities

Continue to develop staff to effectively operate and maintain the GWRS Initial Expansion Facilities.

VI Staff Addition Needed for FY 2015-16

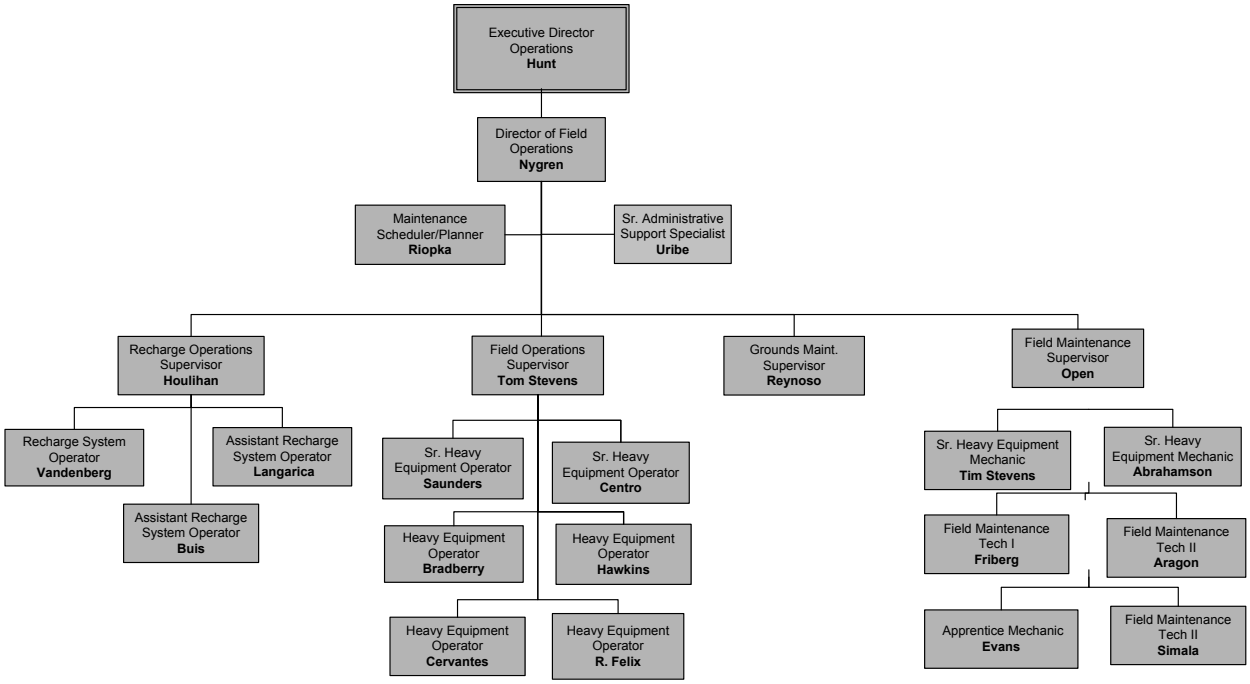
Add one new I&E technician to provide support for GWRS and Forebay operations to maintain electrical equipment and support control systems.

VII Future Issues

In the next two years, issues the District will need to consider include:

1. Optimization of the GWRS AWPF treatment process to lower operational costs, including operation of new flow equalization facilities.
2. Continue to optimize MF and RO membrane replacement strategies.
3. Process optimization and adjustment of preventative maintenance requirements as necessary.
4. Continue forward-looking review of water treatment technologies and opportunities to optimize current GWRS membrane and advanced oxidation treatment processes.
5. Continue to monitor energy issues to ensure the lowest possible power expenditures for the GWRS.
6. Support the planning, construction, start-up, operation, maintenance and optimization of the District's first mid-basin injection well.

RECHARGE OPERATIONS



Summary Information

Existing Staff – 21 FTEs

1- Recharge Operations Supervisor
1- Field Headquarters Maintenance Supervisor
1- Field Headquarters Heavy Equipment Operator Supervisor
1- Grounds Maintenance Supervisor
1- Recharge System Operator
1- Maximo Scheduler/Planner
1- Senior Administrative Support Specialist
2- Assistant Recharge System Operators
3- Field Maintenance Technicians
2- Senior Heavy Equipment Mechanics
3- Senior Heavy Equipment Operators
3- Heavy Equipment Operators
1- Apprentice Diesel Mechanic

Mission

Replenish the Groundwater Basin by operating the District's surface water recharge facilities in the cities of Anaheim and Orange and managing the Prado Dam conservation pool.

Key issues for FY 2015-16

- Operating recharge system while accommodating construction projects that replace aging infrastructure and improve our recharge capacity.
- Implement Maximo computerized maintenance managed system.
- Expand two-way radio communication to include Prado operations.
- Reconstruct Landscaping along La Palma frontage of Warner Basin.
- Reconstruct landscaping along Miraloma frontage of Anaheim Lake.
- Replace Warner Basin irrigation well by connecting to YLWD's new well.
- Replace aging diesel tractors in accordance with CARB regulatory schedule.
- Reconstruct Mill's Pond into a Natural Resources mitigation area in accordance with the new requirements of the Regional General Plan (RGP).
- Support the City of Anaheim joint efforts to build public access trails at 5-Coves (extension of Anaheim Cove) and Kraemer basins (pocket park).
- Support construction activities for replacement Weirs 1&2 and flume/weir in Desilting system.
- Support Construction activities for Burris Pump Station.
- Support FEMA funded reconstruction of Santiago Saddle.
- Continue with inspection of Santiago Pipeline to determine integrity.
- Support construction of Fletcher Basin including turnout to SAR from Riverview.
- Evaluate status of aging infrastructure and equipment and develop a well-defined and measured program of upgrades and replacements.
- Managing vegetation in a manner that accommodates both the seasonal habitat needs of nesting birds and the use of the land for groundwater recharge.
- Optimize the design of the new La Palma Basin and support its construction.

Account Information	FY 2013-14 Actual	FY 2014-15 Budget	FY 2015-16 Proposed Budget
Salaries and Benefits	2,367,279	2,363,128	2,307,546
Services and Supplies	1,264,233	1,939,300	1,513,125
Total	**$3,631,512**	**$4,302,428**	**$3,820,671**

I FY 2015-16 Major New Initiatives/Programs

- Fully implement Maximo CMMS.
- Adapt operations to allow for the purchase and recharge of 65,000 AFY of imported water to help offset the decline is SAR base Flow.
- Adapt operations to allow for the recharge of an additional 30 MGD of GWRS highly treated water.

II Core Activities

The Recharge Operations group is responsible for replenishing the groundwater basin by operating and maintaining the surface water conveyance system, storage and recharge facilities and managing the conservation pool behind Prado Dam.

III Non-Core Activities

- Comply with environmental regulators while performing core activities.
- Supporting District's education and outreach program by providing tours of the District's recharge system.
- Providing data and information to outside agencies and organizations.
- Support selected research and development efforts aimed at improving recharge capacity.

IV Group Goals for FY 2015-16

- Fully implement Maximo CMMS.
- Adapt operations to allow for the purchase and recharge of 65,000 AFY of imported water to help offset the decline is SAR base Flow.
- Adapt operations to allow for the recharge of an additional 30 MGD of GWRS highly treated water.
- Optimize capture of Santa Ana River base flows.
- Maximize diversion and capture of storm flows.
- Maximize recharge based on available supplies while simultaneously accommodating maintenance and construction - Specific constraints in FY2015-16 include several planned construction and repair projects.
- Manage vegetation in a manner that complies with regulatory requirements without hampering recharge efforts. Incorporate Natural Resources into daily recharge operations in compliance with the regional general permit (RGP).
- Increase the ability of the recharge system to efficiently divert storm flow. With declining SAR base flows, it is critical to increase the diversion of peak storm flows. This can be done by pre-season draining and/or cleaning of receiving basins, upgrade of trash racks to increase maximum diversion capacity, and increase capture in Warner system during peak events to alleviate the rate limiting constraint in the Warner Transmission pipeline.

- Evaluate status of infrastructure and adopt the same computerized maintenance management program (MAXIMO) now in use at the GWRS. Use the new tool to improve Preventative Maintenance (PM) procedures and tracking of all maintenance activities.

V Pending Activities

Work with Engineering on design of new La Palma basin. And construction of various other projects, as listed above.

VI Staff Addition Needed for FY 2015-16

None

VII Future Issues

- Continue to retrofit and replace selected heavy equipment in compliance with new diesel emissions regulations. The cost of equipment upgrade and replacements is substantial. R&R fund reserves have therefore been identified and set aside to accommodate this long term compliance program.
- Rehabilitation of the deep recharge basins, namely Anaheim Lake, Kraemer Basin and Warner Basin, will be required to sustain their percolation capacity and improve poor drainage that has been caused by years of sand removal from the basin bottoms and the accumulation of clogging material in the basin sidewalls. Data is currently being collected to assess the scope of rehabilitation and potential costs.
- Assisting with work required to comply with the Regional General Permit (RGP). This work will consist of earthwork in Mills Pond and other areas to make them suitable for the required mitigation.
- Evaluate the technical and economic feasibility of sand washing plant.
- Compliance with CARB on-road emission requirements.
- Add sand and re-grade basin bottoms for improved pump drainage.
- Replacement of aging rolling stock.

Section 4
Debt Service Fund

DEBT SERVICE

The District often uses debt to fund capital projects approved by the Board. The purpose of the Debt Service is to budget and set aside monies necessary to make principal and interest payments on the District's debt.

Total gross debt service payments and administration costs are budgeted at $27,725,945 for FY 2015-16 as shown on Table 1. This amount also reflects estimated revenues and payments related to the District's swap transactions. The components of the budgeted debt service payments are as follows:

- $9.60 million for fixed rate debt;
- $7.57 million for variable rate debt & commercial paper;
- $1.27 million net swap payment;
- $8.50 million for low interest State Loans;
- $0.79 million for debt administration.

In November 2002, the Board approved a comprehensive long-term debt program with a number of goals including:

- To provide funding for the GWR System and other capital projects;
- To provide the lowest cost of funds;
- Take advantage of low interest rates and the District's variable rate debt capacity; and
- Provide the lowest predictable RA.

In FY 2007-08 the Board adopted an updated Plan of Finance which provided for repaying some of the District's highest cost fixed rate debt using low interest state loan reimbursement monies and for execution of two interest rate swap transactions. The overall impact on the District's debt structure was to lower the District's overall cost of debt outstanding; reduce the District's variable rate exposure using an interest rate swap; and reduce the duration of the existing debt outstanding by approximately two years.

The District's policy of using long-term debt to fund capital projects was established in October 2000 and calls for the following:

- Preliminary project expenses related to direct research are to be paid from the General Fund and cannot be financed with long-term debt;
- Project expenses for such items as feasibility reports, pilot studies, engineers reports, compliance with CEQA and project design and construction may be capitalized and funded with long-term debt; and
- Project expenses that are capitalized and funded with long-term debt and which do not lead to construction of a project will require an adjustment by the Accounting Department to pay off the long-term debt incurred using cash reserves.

TABLE 1
DEBT SERVICE BUDGET
FY 2015-16

	Principal Payments	Interest Payments	Debt Administration Cost	Total	Outstanding Debt Balance as of June 30, 2016
Certificates of Participation					
2009A COP fixed rate	$590,000	$6,373,200	$0	$6,963,200	$126,705,000
2013A COP fixed rate	$0	$2,635,000	$0	$2,635,000	$53,000,000
2003A COP variable rate	$0	$3,569,913 (1)	$0	$3,569,913	$129,815,000
Subtotal	$590,000	$12,578,113	$0	$13,168,113	$309,520,000
SWAPS - $82.55 Million					
OCWD Payments - fixed at 3.314%		$2,735,707	$0	$2,735,707	
OCWD Revenues - .56 LIBOR plus .23% - Estimates		($1,461,135) (2)	$0	($1,461,135)	
State Loans					
GAP Phase II	$272,103	$18,227	$0	$290,330	$378,876
GWR System C-06-4462-110	$402,292	$78,789	$0	$481,081	$3,523,063
GWR System C-06-4462-120	$165,995	$39,766	$0	$205,761	$1,851,023
GWR System C-06-4462-130	$147,503	$34,210	$0	$181,713	$1,639,600
GWR System C-06-4462-140	$227,133	$52,388	$0	$279,521	$2,523,389
GWR System C-06-4462-150	$5,422,173	$1,417,901	$0	$6,840,074	$73,219,081
GWR System C-06-4462-160	$178,678	$41,103	$0	$219,781	$1,984,557
GWR System C-06-4463-110	$0	$0	$0	$0	$138,483,172
Subtotal	$6,815,876	$1,682,385	$0	$8,498,260	$223,602,760
Commercial Paper	$3,890,000	$110,000 (3)	$0	$4,000,000	$20,723,000
Debt Administration			$ 785,000	$ 785,000	
TOTAL EXPENDITURES	$11,295,876	$15,645,070	$785,000	$27,725,945	$553,845,760

(1) Assumes 2.75% interest rate.
(2) Assumes LIBOR equal to variable rate of 2.75%.
(3) Assumes 0.5% interest rate.

Debt Administration Fees
FY 2015-16

	Fee		Annual Amount
1	Quarterly Letter of Credit Bank Fee with Bayern LB	$48.995 M x 0.17% (5 mo.); 0.35% (7 mo.)	$134,800
2	Citigroup Quarterly 2003A Remarketing Fee	$129.8 M x 0.075%	$97,400
3	2003A CitiBank N.A. Letter of Credit	$131.9 M x 0.33%	$435,300
4	Annual Rating Agency Fees: Fitch, Moody's and Standard & Poors		$33,500
5	Bond Counsel/Financial Advisor/Arbitrage Service		$35,000
6	US Bank Trust Commercial Paper Draw Fees and Quarterly Certificate Fees/Citigroup Commercial Paper Remarketing Fees		$28,000
7	Union Bank of California Quarterly COP Trust Fees		$21,000
	Total		$785,000

Section 5
Other Post Employment Benefits

OTHER POST EMPLOYMENT BENEFITS

The Government Accounting Standards Board Statement 45 (GASB 45) has addressed how state and local governments should account for and report their costs and obligations related to retiree healthcare benefits (Other Post Employment Benefits – OPEB). The statement generally requires employers to account for and report the annual cost and outstanding obligations and commitments for these benefits. The GASB standards require that the long-term cost of retiree health care be determined and accrued on an actuarial basis. The results of the valuations must be disclosed on the District's financial statements.

The budget estimate below is based on the biennial actuarial study conducted for the District in May 2013 to determine the annual costs to provide the retiree medical benefit. The Board has directed funding this liability to our PARS trust per the actuarial study. A new actuarial study will be commissioned to replace the existing liability determination.

Annual OPEB Cost for the budget year 2015-16	$1,322,758

The District's actual cost to pay medical premiums for retired employees will be paid out of the PARS trust. This annual cost is estimated at $400,000

Section 6
Water Purchase

WATER PURCHASE

The proposed FY 2015-16 water budget is $35.6 million and it calls for the purchase of 55,000 acre-feet of Metropolitan Water District (MWD) untreated full service water to help support the recommended 70% Basin Production Percentage (BPP). Groundwater production will be increased by 55,000 acre-feet to match these purchases. Additionally the District has committed to MWDOC to purchase on average 65,000 acre-feet per year of untreated full service water for the next ten years.

By purchasing this water and recharging it into the groundwater basin, the Groundwater Producers avoid paying for treated MWD full service water which currently cost $923/acre-foot. The MWD treatment surcharge is currently $341/acre-foot. The Producers do incur about an $80/acre-foot variable energy and O&M cost to pump this water out of the ground. However, there is an overall $261/acre-foot savings ($923 - $582 - $80) to the service territory.

The District had $11.8 million in the water reserve fund at the start of FY2014-15 and this amount is expected to decrease to zero due to additional authorized water purchases by the Board.

The groundwater basin accumulated overdraft is projected to be approximately 416,000 acre-feet on June 30, 2015. This projection increases to 432,000 acre-feet after excluding the 16,000 acre-feet of water in the MWD conjunctive use program storage account. The overdraft is 291,000 acre-feet from the District's target accumulated overdraft of 125,000 acre-feet. The general maximum desired balance in the water reserve fund is to have sufficient funding available to be able to purchase 50% of the water needed from MWD to refill the groundwater basin to the 125,000 acre-foot target. This amounts to 145,500 acre-feet (291,000 acre-feet x 50%) which is estimated to cost $97.2 million using the MWD untreated full service rate.

Estimated June 30, 2015 Accumulated Overdraft		416,000 af
OCWD Target Accumulated Overdraft		125,000 af
	Difference	291,000 af
	50% of Difference	145,500 af
2015-16 MWD untreated full service rate including $80/af for RTS and Capacity Charge (588+80)		$667.5/af
Necessary water fund balance to purchase 145,500 af of water ($668/af x 145,500af)		$97.2 million
Estimated June 30, 2015 Water Reserve Fund Balance		$0 Million

The accompanying table provides a detailed summary of the Water Purchase Budget for FY 2015-16. MWD's rates are expected to generally increase on January 1, 2016 by 1.5 to 3%. For budgeting purposes the cost per acre-foot for MWD water is an average of the existing and expected 2016 rates. The specific water purchase items in the table include:

1. The District anticipates purchasing approximately 2,000 acre-feet of water from the City of Long Beach for injection into the Alamitos Barrier. The cost of this water is $5/acre-foot above the cost of MWD Tier I water plus the Readiness-To-Serve and Capacity Charge paid by the City of Long Beach to MWD. The total cost for this water is $1,048/af.
2. The District has budgeted to purchase 55,000 acre-feet of untreated full service non-interruptible MWD water for recharge at the District's field headquarters in the City of Anaheim. Purchasing this water helps support the Basin Production Percentage.
3. The District incurs a Capacity Charge fee on any purchase of MWD non-interruptible water supplies (i.e., OC-44 connection supplies or untreated non-interruptible water). The Capacity Charge is administered by MWDOC and is now billed monthly to the District as a flat fee. The Capacity Charge for FY 2015-16 will be approximately $700,000.
4. The District also incurs a Readiness-To-Serve charge on any purchase of MWD treated non-interruptible water supplies (i.e., OC-44 connection supplies or untreated non-interruptible water). The fee is expected to be approximately $500,000 in FY 2015-16.

The total Water Purchase budget expense for FY 2015-16 is $35.6 million.

Fiscal Year 2015-16 Budget for Water Purchase
(July 1, 2015 to June 30, 2016)

Item #		Volume (AF)	2015-16 Unit Cost $/af (1)	MWDOC Surcharge $/af	Total Cost Amount
1	Alamitos Barrier Injection water from Long Beach Water Dept (2)	2,000	$1,048	n/a	$2,096,000
2	Untreated Non-interruptible MWD water (3)	55,000	$588	n/a	$32,340,000
	Sub-total	**57,000**			**$34,436,000**
3	MWD/MWDOC Capacity Charge (4)				$700,000
4	Readiness-to-serve charge is based upon an 4-year average of previous OC-44 connection supplies (5)				$500,000
	Total	**57,000**			**$35,636,000**

NOTES

(1) Average of 2015 and 2016 rates
(2) Assumes Treated Non-interruptible rate to increase from $923/af to $942/af: Average is $933/af
Unit cost includes $5/af City of Long Beach fee plus $110/af RTS and Capacity Charge paid by Long Beach to MWD
(3) Assumes untreated non-interruptible rate to increase from $582/af to $594/af for CY 2016
(4) MWD/MWDOC Capacity Charge is billed monthly by MWDOC as a flat fee
(5) Readiness-to-serve (RTS) charge is calculated and provided by MWDOC

Section 7
Basin Equity Assessment

BASIN EQUITY ASSESSMENT (BEA) BUDGET

The objective of the BEA program as authorized by Section 31.5 of the Orange County Water District Act is to make possible more effective management of the groundwater basin, and to equalize water costs within the District.

BEA collections for FY 2015-16 are estimated at $1,750,000, which applies to pumping in excess of the basin production percentage (BPP). The District sets the BEA based upon the price of Metropolitan Water District water.

BEA revenue is used to offset the cost of MWD water purchases. Predicting BEA revenue is difficult as it is determined by: (1) groundwater producers who decide to pump above the BPP; (2) groundwater producers participating in water quality projects that receive partial BEA exemptions for pumping above the BPP; and (3) smaller private party pumping.

BEA revenues expected for pumping above the BPP	$1,750,000

Section 8
Capital Improvement Program

Debt and PAYGO Funded Projects

CAPITAL IMPROVEMENT PROGRAM

The fiscal year (FY) 2015-16 Capital Improvement Program (CIP) is provided on the following pages. The CIP projects are funded by debt proceeds, grants, litigation settlements, state loans and $6 million from operating revenues. The assets created by the CIP projects typically have a useful life of between five to seventy years.

The total proposed CIP cost for the FY 2015-16 budget is $23.97 million and it includes 17 projects. The life span of various CIP projects varies from project to project and it can be three years or longer. The District will fund $6 million of the $23.97 million dollar CIP budget from the operating revenues. This District practice is very useful in keeping the debt service cost to the minimum and maintaining debt service coverage targets.

The CIP is primarily driven by the following objectives: (1) increasing the District's recharge capacity to allow for increased sustainable production out of the groundwater basin; (2) protecting water quality by removing contaminated groundwater from the basin and providing additional wetlands treatment for Santa Ana River flows; and (3) protecting the coastal portion of the groundwater basin.

Budgeting of project expenditures does not authorize staff to proceed with a project. Each budgeted project must be individually reviewed and formally approved by the Board via the preparation of an Engineer's Report. In addition, the Board would need to approve the design and the construction contracts as/if the project progresses forward.

The expenditures for each project are shown in the fiscal year they are anticipated to occur in. The District has many multi-year projects that require several years to process and construct. Table 8-1 provides a broad summary of the projects in the CIP. A brief description and status of each project are provided on the attached Capital Projects Information sheet.

TABLE 8-1
SUMMARY OF PROJECTS IN CAPITAL IMPROVEMENT PROGRAM

PROJECT TYPE	OBJECTIVE
WATER SUPPLY	**PROVIDE FOR INCREASED GROUNDWATER PRODUCTION AND CREATE SUPPLIES WHERE ECONOMICAL AS COMPARED WITH MWD RATES.**
	Construct facilities to increase recharge capacity and percolation rates to allow for increased groundwater pumping
	Improve existing facilities to increase percolation rates
	Create new water supply
WATER QUALITY	**PROTECT THE QUALITY OF THE GROUNDWATER BASIN SUPPLIES.**
	Protect groundwater in north basin by extracting and treating wells threatened by VOC contamination in Anaheim and Fullerton
	Protect groundwater in south basin by extracting and treating wells threatened by VOC contamination in Santa Ana
COASTAL IMPROVEMENTS	**MITIGATE FOR EXISTING AND PROJECTED FUTURE PROBLEMS ALONG THE COAST.**

PROJECT TYPE	OBJECTIVE
	Construct barrier facilities to prevent seawater intrusion

The cost information for multi-year debt and operating reserve funded projects is summarized in Table 8-2.

The OCWD staff works closely with the Board of Directors in processing capital projects. Formal Board approval is required at various stages of a project's life as shown below:

1. Inclusion in OCWD annual budget;
2. Issuance of Request for Proposals for hiring of consultants for fees greater than $20,000 to assist in processing project documents;
3. Awarding consultant contracts greater than $20,000;
4. Approval of Feasibility Study Report, if so directed by General Manager;
5. Approval of necessary CEQA documents;
6. Approval of project Engineer's Report;
7. Approval of any agreements (i.e. grant funding, interagency);
8. Approval of advertising construction contracts;
9. Award of construction contracts;
10. Approval of change orders greater than 5% of construction budget; and
11. Approval of Notice of Completion.

The District primarily uses long-term debt to fund capital projects. The District policy for using long-term debt was established in October 2000. The policy calls for the following:

- Preliminary project expenses related to direct research are to be paid from the General Fund;
- Project expenses for such items as feasibility reports, pilot studies, engineer's reports, compliance with CEQA, and project design and construction may be capitalized and funded with long-term debt; and
- Project expenses that are capitalized and funded with long-term debt and to which do not lead to construction of a project will require an adjustment by the Accounting Department to pay off the long-term debt incurred using cash reserves.

TABLE 8-2
FISCAL YEAR 2015-16
CAPITAL IMPROVEMENT PROGRAM SUMMARY

				Fiscal Year	Salaries	Benefits	Salaries & Benefits	Pre-design	Design	Construction	Total		
			ACCOUNT NO: COST CODE					*02000*	*03000*	*40010*			
			Grand Total	**2015-16**	**428,686**	**147,029**	**575,716**	**40,000**	**1,270,000**	**22,081,000**	**23,966,716**		
				2016-17	**0**	**0**	**0**	**0**	**100,000**	**28,330,000**	**28,430,000**		
				2017-18	**0**	**0**	**0**	**0**	**0**	**15,360,000**	**15,360,000**		
	JDE PROJECT ID NO.	**Project Name**	**Project Description**									**Project Details**	**Dept.**
1	**C14002**	**Watershed and Wildlife Exhibit**	Renovation and construction of Watershed and Wildlife Exhibit in the existing courtyard area of the Administration Building, featuring amassed collection of habitat specimen	2015-16			-	40,000			40,000	The courtyard would be modified to contain a native plant garden and structure to contain the wildlife specimens the District has accumulated over many decades. The structure will include interactive displays and will be served as the waiting area and starting point for District tours.	1012
				2016-17			-		100,000		100,000		
				2017-18			-			360,000	360,000		
		Estimated Total Capital Cost: $500,000								3-Year Project Total	500,000		
2	**C11002**	**JD Edwards Financial System Upgrade & Maximo Computerized Maintenance Management System Upgrade**	Upgrade the JD Edwards and Maximo hardware and software.	2015-16	101,845	34,573	136,418			370,000	506,418	Upgrade the hardware/software for the Maximo Computerized Maintenance Management System purchased in 2005 and used to manage the assets used in and the maintenance functions in support of the Advanced Water Production Facility, and integrate with the District's JD Edwards Financial system. JD Edwards upgrade will be completed in FY14/15.	1016
				2016-17			-				-		
				2017-18			-				-		
		Estimated Total Capital Cost: $500,000.								3-Year Project Total	506,418		
3	**C15001**	**LIMS (Laboratory Information Management System)**	AWQA Lab currently uses a LIMS, Aspen created by Telectation, Inc. This unit has been in operation for 14 years and the Lab needs to replace it with a new LIMS to support modern operating systems to maintain data processing integrity and efficiency.	2015-16			-			500,000	500,000	AWQA Lab currently uses a LIMS, Aspen created by Telectation, Inc. This unit has been in operation for 14 years and the Lab needs to replace it with a new LIMS to support modern operating systems to maintain data processing integrity and efficiency.	1038
				2016-17			-				-		
				2017-18			-				-		
		Estimated Total Capital Cost: $500,000								3-Year Project Total	500,000		
4	**C10002**	**Fletcher Recharge Basin**	Convert an Orange County Flood Control District (OCFCD) owned basin into a recharge facility by excavating dirt and constructing a pump station and a pipeline.	2015-16	58,504	19,779	78,283		65,000	5,000,000	5,143,283	Coordination work with OCFCD began in FY 2009-10 to use facility as a recharge basin. The project was awarded to Sukut and NTP issued in October 2014. Construction is scheduled to be completed in FY15-16.	1070
				2016-17			-			60,000	60,000		
				2017-18			-				-		
		Estimated Total Capital Cost: $5,700,000 (Expecting $2,525,000 Reimbursement from Grant Funding; Remaining Balance Funded by SRF Loan)								3-Year Project Total	5,203,283		
5	**C13007**	**La Palma Recharge Basin**	Construction of a new 17 acre recharge basin adjacent to OCWD's existing recharge facilities in Anaheim.	2015-16	59,178	20,716	79,894			4,500,000	4,579,894	Excavation of a 17-acre site to convert it into a recharge basin. Construction should begin in FY 2015-16.	1070
				2016-17			-			700,000	700,000		
				2017-18			-				-		
		Estimated Total Capital Cost: $5,700,000; Funded by SRF Loan								3-Year Project Total	5,279,894		
6	**C14004**	**Mid Basin Injection**	Drilling four injection wells at Santa Ana's Centennial Park. This Park is located across the Santa Ana River from the Mid Basin Demonstration Project.	2015-16	7,107	2,330	9,437		1,000,000		1,009,437	Once the Mid Basin Demonstration Project has been operating and the anticipated injection rates verified, the expansion can commence. The Centennial Park has adequate spacing for the injection wells and staff would expect to start the CEQA and design phase in FY15-16.	1070
				2016-17			-			15,000,000	15,000,000		
				2017-18			-			10,000,000	10,000,000		
		Estimated Total Capital Cost: $26,000,000; May Be Funded by SRF Loan								3-Year Project Total	26,009,437		

TABLE 8-2
FISCAL YEAR 2015-16
CAPITAL IMPROVEMENT PROGRAM SUMMARY

				Fiscal Year	Salaries	Benefits	Salaries & Benefits	Pre-design	Design	Construction	Total		
		ACCOUNT NO: COST CODE						*02000*	*03000*	*40010*			
7	C09005	**Prado Sediment Management Demonstration Project**	Demonstration project to remove material deposited behind Prado Dam and sluice the material downstream.	2015-16	43,566	15,302	58,869			300,000	358,869	The environmental work necessary to obtain agency approvals for the project is in progress. Design of the dredging system will be completed in FY14-15 and construction to follow immediately thereafter.	1070
				2016-17			-			5,000,000	5,000,000		
				2017-18			-			5,000,000	5,000,000		
		Estimated Total Capital Cost: $10,400,000 (Expecting $5,000,000 Prop. 84 Grant or Prop. 1 Funding)								3-Year Project Total	10,358,869		
8	C14003	**Santa Ana GAP Reservoir Site Improvements**	Construct split face masonry wall along west and south perimeter of GAP Reservoir site.	2015-16			-			330,000	330,000	Construct an eight foot high split face masonry wall along the west and south perimeter of the GAP Reservoir site totaling 950 lineal feet and a 32 foot wrought iron vehicle access gate. Install artificial ivy on exterior walls to protect against graffiti. Design completes end of FY 14-15.	1070
				2016-17			-				-		
				2017-18			-				-		
		Estimated Total Capital Cost: $350,000 (City of Santa Ana to Reimburse 1/3 of cost)								3-Year Project Total	330,000		
9	C15002	**Access Control Upgrade**	Update the District wide access control system with new hardware, software, and badge components.	2015-16			-		30,000	200,000	230,000	The existing access control system contains equipment and software that is no longer supported. The system controls access to District facilities through badges that open/unlock gates and doors. The system has already experienced significant failures resulting in loss of access control.	1070
				2016-17			-			70,000	70,000		
				2017-18			-				-		
		Estimated Total Capital Cost: $300,000								3-Year Project Total	300,000		
10	C15003	**Conrock-Warner Transfer Tube**	Construction of large diameter transfer tube between Conrock and Warner Basin.	2015-16			-		100,000		100,000	Construction of a large diameter transfer tube with flow meter will allow Conrock and Warner Basins to fill and drain quickly. Additionally, headwalls and outlet structures for the small diameter lower drain tubes will be constructed with new valves and electric actuators.	1070
				2016-17			-			1,000,000	1,000,000		
				2017-18			-				-		
		Estimated Total Capital Cost: $1,100,000								3-Year Project Total	1,100,000		
11	C15004	**Lower Santiago Creek Recharge Project**	Construct a 16-inch diameter HDPE pipe from the Santiago Pipeline to the Lemon Street storm drain to recharge in the Santiago Creek.	2015-16			-		75,000		75,000	The project will involve constructing a 16-inch diameter HDPE pipe from the Santiago Pipeline to the Lemon Street storm drain in the City of Orange to allow water to flow by gravity from the Santiago Pipeline to an outfall at Santiago Creek. It will also include installing a trench drain through the Lawn Bowling Center in the City of Santa Ana and grading of Santiago Creek.	1070
				2016-17			-			750,000	750,000		
				2017-18			-				-		
		Estimated Total Capital Cost: $825,000								3-Year Project Total	825,000		
12	C15005	**Manway Access for 54-inch GWRS Pipeline**	Construct an access manway to grade for the 54-inch GWRS Pipeline at station 250+00 on the OCWD campus.	2015-16			-			50,000	50,000	The 54-inch GWRS pipeline located on the OCWD Fountain Valley campus has a blind flange located at station 250+00. This project would construct an access manway to perform inspection/maintenance on the pipeline interior as necessary.	1070
				2016-17			-				-		
				2017-18			-				-		
		Estimated Total Capital Cost: $50,000								3-Year Project Total	50,000		
13	C12003	**Alamitos Barrier Improvement Project**	Increase injection capacity of barrier to stop seawater intrusion; approved by Board in September 2014.	2015-16	158,486	54,328	212,814			9,000,000	9,212,814	Construct 17 injection wells and 4 monitoring wells; up to 8.5% to be paid by LACDPW.	1075
				2016-17			-			5,750,000	5,750,000		
				2017-18			-				-		
		Estimated Total Capital Cost: $14,960,000; Funded by SRF Loan								3-Year Project Total	14,962,814		

TABLE 8-2
FISCAL YEAR 2015-16
CAPITAL IMPROVEMENT PROGRAM SUMMARY

				Fiscal Year	Salaries	Benefits	Salaries & Benefits	Pre-design	Design	Construction	Total		
	ACCOUNT NO:	COST CODE						02000	03000	40010			
14	C15006	**Santiago and Burris Basin Tracer Study**	Develop estimates of groundwater velocity from Santiago and Burris Recharge Basins to support potential permit request to allow GWRS water recharge at additional OCWD facilities.	2015-16			-			1,532,000	1,532,000	Construct 2 multi-depth monitoring wells near Burris Basin and 1 multi-depth monitoring well near Santiago Basin.	1075
				2016-17			-				-		
				2017-18			-				-		
		Estimated Total Capital Cost: $1,532,000								3-Year Project Total	1,532,000		
15	C13005	**Sunset Gap Seawater Intrusion Monitoring Wells**	Characterize the extent of seawater intrusion beneath the Seal Beach Naval Weapons Station; approved by Board in September 2013.	2015-16			-			200,000	200,000	Construct 4 multi-depth monitoring wells; work primarily completed but may carry over into FY15-16.	1075
				2016-17			-				-		
				2017-18			-				-		
		Estimated Total Capital Cost: $1,050,000								3-Year Project Total	200,000		
16	C13006	**East Newport Mesa Groundwater Investigation**	Investigate the hydraulic connection and potential for poor-quality groundwater flow between the Shallow and Principal aquifers.	2015-16			-			75,000	75,000	Construct 3 additional shallow monitoring wells based on results of investigation performed in FY14-15.	1075
				2016-17			-				-		
				2017-18			-				-		
		Estimated Total Capital Cost: $650,000								3-Year Project Total	75,000		
17	C15007	**Shallow Monitoring Well for SARMON Program**	Monitor groundwater quality down gradient of the Santa Ana River recharge area as part of the Santa Ana River Water Quality Monitoring (SARMON) Program.	2015-16			-			24,000	24,000	Construct 1 shallow monitoring well near the Santa Ana River in Anaheim.	1075
				2016-17			-				-		
				2017-18			-				-		
		Estimated Total Capital Cost: $24,000								3-Year Project Total	24,000		

Section 9
New Equipment
(Fixed Assets) Summary

New Equipment Budget Funded by Operating Revenues

EQUIPMENT (FIXED ASSETS) SUMMARY

This section describes the equipment items proposed for FY 2015-16.

There are 23 equipment items listed in Table 9-1. These items will be funded using operating revenues.

There is one road vehicle included in the equipment list (Table 9-1). It's a replacement vehicle. The vehicle complies with the Vehicle Replacement Policy established by the District in May 2006.

TABLE 9-1
FY 2015-16 PROPOSED EQUIPMENT BUDGET
FUNDED BY OPERATING REVENUES

	Item Name	Item Description	Department	Budget Amount
	Information Services (1016)			
1	Cisco Networking Hardware	Cisco networking hardware (network switches & routers)	Information Services (1016)	252,000
2	Firewall Replacements	Firewall replacements including 5 firewalls - equipment & labor	Information Services (1016)	50,000
3	3 Dell MS Windows File Servers	3 Dell MS Windows File Servers for: 1) qty 1 server for replacement of obsolete Windows 2003 server FHQ domain controller($5,000); 2) qty 1 server for security updates ($13,000); 3) qty 1 server for litigation legacy network ($10,000)	Information Services (1016)	28,000
4	Network Server Backup System	Backup system for network server backups and disaster recovery	Information Services (1016)	25,000
	E15.17110.1016	**Total**	**Information Services (1016)**	**$ 355,000**
	Laboratory (1038)			
5	Gerstel Autosampler for Q Trap 6500	Gerstel autosampler will be paired with Q trap 6500 to perform on line direct sample injection.	Laboratory (1038)	60,000
6	Automated SPE System	Need to replace 9 year-old automated SPE (solid phase extraction) system to support CEC's.	Laboratory (1038)	50,000
7	Laboratory High-Speed Printer	A new continuous paper laser is needed because current printer (Printronix L7032, purchased used in 2010) has reached its "End of Life". Parts and consumables for the L7032 are no longer being produced and are difficult to find. The Organic section relies on the printer for both the quality of the print image (chromatogram) and for the large amount of instrument data that is printed on a regular basis (average 1,500 pages per day). A reliable large volume continuous laser printer is necessary to function.	Laboratory (1038)	41,000
8	PDA for LC1200 with Chemstation	PDA (photo diode array) detector to run Agilent LC1200 with chemstation software.	Laboratory (1038)	35,000
9	ICP-MS Prep FAST	The automated system will insure uniform standards preparation, calibration curves and sample dilution to improve productivity and turnaround times.	Laboratory (1038)	31,000
10	Sample Concentrators	Need 2 sample concentrators to replace over 15 year-old concentrators for organic samples.	Laboratory (1038)	30,000
	E15.17110.1038	**Total**	**Laboratory (1038)**	**$ 247,000**
	Research & Development (1040)			
11	Horiba Aqualog-UV-800-C	Horiba Aqualog-UV-C High Performance Research Spectrometer for Simultaneous Absorbance and Fluorescence Measurements - this instrument will be shared between R&D and Water Production for examination of AWPF source waters.	Research & Development (1040)	42,300
	E15.17110.1040	**Total**	**Research & Development (1040)**	**$ 42,300**
	Water Production (1050)			
12	Safety Davit Arms	Outfit the remaining MEMSAPS with Davit Life Lines.	Water Production (1050)	56,000
13	Replace Truck T-77	Pick-up truck (Ford F-250 with service bed) to replace T-77, 1992, 77,172 miles. This truck has starter issues, electrical issues, fuel system issues, transmission fluid leaks, A/C issues, steering system issues. This truck is 4x4 and has been used off-road extensively. The vehicle is unreliable and possibly unsafe.	Water Production (1050)	35,000
14	Drop Trailer	Drop Trailer for Boom lift and other large pieces of equipment	Water Production (1050)	18,000
15	Electric Burden Cart	B-48 Electric Burden Cart for I&E	Water Production (1050)	13,000
16	UV Shed	Shed of UV Parts	Water Production (1050)	7,000
	E15.17110.1050	**Total**	**Water Production (1050)**	**$ 129,000**

TABLE 9-1
FY 2015-16 PROPOSED EQUIPMENT BUDGET
FUNDED BY OPERATING REVENUES

	Item Name	Item Description	Department	Budget Amount
	Recharge Operations (1060)			
17	Flowmeters (2)	5-Coves and Weir Pond 4 need new flowmeters.	Recharge Operations (1060)	40,000
18	Compressor	Compressor with jack hammer	Recharge Operations (1060)	28,000
19	Lockers in Men's Room	Lockers in men's locker room for uniforms	Recharge Operations (1060)	12,500
20	Tool Cabinet	Secure tool cabinet for shop tools	Recharge Operations (1060)	7,000
21	Tig Welder	Lincoln 375 tungsten inert gas welder (alloy welding)	Recharge Operations (1060)	7,000
22	Mig Welder	Lincoln 256 mig welder	Recharge Operations (1060)	6,000
	E15.17110.1060	**Total**	**Recharge Operations (1060)**	**$ 100,500**
	Natural Resources (1080)			
23	Furnishing FHQ Office Space for Biologists	Furnishings and equipment for office space at Field Headquarters for biologists	Natural Resources (1080)	25,000
	E15.17110.1080	**Total**	**Natural Resources (1080)**	**$ 25,000**
		Grand Total for Equipment Funded by Operating Revenues		**$ 898,800**

Section 10
Replacement and Refurbishment Fund

REPLACEMENT AND REFURBISHMENT BUDGET

The District has over $908 million in assets excluding construction in progress that will need to be replaced or refurbished at some point in the future. To prevent additional pressure on the Replenishment Assessment, a replacement and refurbishment model was developed in 1998, which included all District assets and used engineer's estimates for the useful life of each asset. This model is capable of forecasting future costs and required revenue streams and is updated annually.

The Replacement and Refurbishment (R&R) fund was originally funded in FY 1998-99 with $15 million from the District Replacement Reserves and $20 million from the Orange County bankruptcy proceeds.

In 2004 the R&R program was downsized to only include infrastructure type assets. The amount of money annually transferred into the R&R program was reduced from $4.5 million annually to $2.8 million. The annual transfer amount has been growing by 7% annually to provide sufficient funds to meet future expected R&R expenses. The fiscal year 2015-16 contribution is planned to be $13.65 million.

An update to the R&R Model was made in 2007 and the changes included:

1. All infrastructure replacement cost have been updated.
2. The R&R Fund balance was set at the current amount of $70 million with an expected interest earnings rate of 5% over the next 30 years.
3. The inflation rate was increased from 3% to 3.5% to reflect recent increases in construction material.
4. The cost of repairing and refurbishing the Talbert barrier injection wells has been moved out of the R&R program and into the District's general fund.
5. The cost of major lab equipment costing greater than $100,000 has been moved into the R&R program.

Another update to the Model was conducted in 2011 and the changes include the following:

1. Eliminated the replacement of the Green Acres Project's conventional filtration technology as it will be replaced by an expansion of the microfiltration treatment of GWRS.
2. The Basin Cleaning Vehicles (BCV) was removed from the R&R Model as the BCV Program was discontinued.
3. Pump stations electrical and pumps were separated from buildings as they were previously treated as a single unit in the R&R Model.
4. Transferred $10 million in reserves from the R&R Fund to the Operating Fund.

Actual expenditures from the fund vary significantly each year depending upon which District assets have reached the end of their useful life and need to be replaced or

which assets can have their lives extended by refurbishing them. In FY 2015-16, the proposed R&R expenses include these five major items.

- Replace Burris Pump Station ($9,046,392).
- Imperial Headgates and Weir Pond Rehabilitation Project ($4,550,818)
- Santiago Intertie/Repair of Transfer Structure Between Blue Diamond and Bond Basins ($3,138,409)
- 3,430 MF Membranes for 5 Cells ($2,511,583)
- 3,150 RO Membranes to Replace 3 RO Subunits ($1,374,000).

The actual proposed expenditures for FY 2015-16 are $26.3 million. The District is expecting grant funding of $3.4 million to offset two projects that will reduce the net expenditure to $22.9 million.

FISCAL YEAR 2015-16
PROPOSED REPLACEMENT & REFURBISHMENT FUND REQUESTS

#	Project ID	Item	Description	Department	Salaries & Benefits	Project Cost	Total Project Cost	Asset Class	Refurbishment or Replacement	Asset Age (yr)
		Laboratory (1038)								
1	R15001	GC/MS/Purge-Trap System	The GC/MS with purge-trap system is dedicated for volatile organic (VOC) analysis for GWRS, groundwater, and Title 22.	Laboratory (1038)	-	150,000	150,000	Lab Equipment > $100,000	Replacement	15
			Total	**Laboratory (1038)**	**$ -**	**$ 150,000**	**$ 150,000**			
		Water Production (1050)								
2	R15002	3,430 MF Membranes for 5 Cells	These 3,420 + 10 spare MF membranes will be used to begin replacing existing MF membranes with declining performance in 5 MF cells.	Water Production (1050)		2,511,583	2,511,583	RO, MF units	Replacement	7
3	R14002	3,150 RO Membranes to Replace 3 RO Subunits	Replace RO membrane elements in 3 RO subunits membrane replacement program.	Water Production (1050)		1,374,000	1,374,000	RO, MF units	Replacement	8
4	R07002	On Going Refurbishment of the Administration Building	Continued refurbishment and replacement of carpet and paint in various areas of the administration building.	Water Production (1050)		350,000	350,000	Buildings	Replacement or Refurbishment	24
5	R15003	Refurbishment or Replacement of Mechanical and Electrical Equipment	These funds are to refurbish or replace GWRS or GAP mechanical and electrical equipment that unexpectedly fails.	Water Production (1050)		300,000	300,000	Pipe/Pipeline, Pumps, Wells, RO, MF Units	Replacement or Refurbishment	Varying
6	R13004	Replace Micro Filtration Headers	Replacement with micro filtration headers (8), estimated at $25,000/each. Staff is still working on issues with Evoqua.	Water Production (1050)		220,000	220,000	RO, MF units	Replacement	7
7	R15004	Refurbishment and Replacement of Fountain Valley Building Mechanical, Electrical and Structural Items	These funds are for the refurbishment and/or replacement of existing Fountain Valley building, mechanical, electrical and structural systems that unexpectedly fail.	Water Production (1050)		100,000	100,000	Buildings	Replacement or Refurbishment	Varying
8	R15005	Green Acres and GWRS Distribution Emergency Pipeline Repairs	These funds allow for the refurbishment or replacement of Green Acres or GWRS distribution pipeline assets that unexpectedly fail.	Water Production (1050)		75,000	75,000	Pipe/Pipeline	Refurbishment	Varying
9	R15006	GAP Backwash Pump A02	Pump A02 needs to be rebuilt. A01 has taken over 23 weeks to get new bowls and impellers. Want to get second pump rebuilt once first one is installed due to long lead time in getting parts manufactured.	Water Production (1050)		75,000	75,000	Pumps	Refurbishment	24
10	R15007	GAP SAR Effluent Pump A02	Inspect and rebuild SAR effluent pump A02.	Water Production (1050)		45,000	45,000	Pumps	Refurbishment	17
11	R15008	OCWD Fountain Valley Site Emergency Fire Pump	The fire pump has a steel shaft that is failing. To rebuild pump would take 6 weeks to repair. The solution is to purchase a new stainless steel shaft and pump, assemble and do change out and limit time of repairs to a couple of days.	Water Production (1050)		43,000	43,000	Pumps	Refurbishment	8
12	R15009	GAP High Pressure Effluent Pump A01	Inspect and rebuild GAP high pressure feed pump A01.	Water Production (1050)		40,000	40,000	Pumps	Refurbishment	24
13	R15010	GAP Influent Pump A03	Inspect and rebuild GAP influent pump A03.	Water Production (1050)		35,000	35,000	Pumps	Refurbishment	19
14	R15011	RO High Pressure Feed Pump D02	Pump vibration is increasing. Plan to pull pump and inspect and repair as needed. We have 14 of these pumps and would like to identify any potential issues.	Water Production (1050)		35,000	35,000	Pumps	Refurbishment	8
15	R14008	Pump - Deep Well No. 3 on Hold from FY14/15 due to 405 Widening Planning	Pull pump for inspection and rebuild as necessary.	Water Production (1050)		23,000	23,000	Pumps	Refurbishment	40
16	R14009	Pump - Deep Well No. 4 on Hold from FY14/15 due to 405 Widening Planning	Pull pump for inspection and rebuild as necessary.	Water Production (1050)		23,000	23,000	Pumps	Refurbishment	40
17	R15012	Spectrophotometer	The existing spectrophotometer is no longer serviceable and needs to be replaced. Used by operations lab to measure water quality constituents for daily operations and studies with process group.	Water Production (1050)		9,000	9,000	Other	Replacement	17
			Total	**Water Production (1050)**	**$ -**	**$ 5,258,583**	**$ 5,258,583**			
		Recharge Operations (1060)								
18	R15013	Landscape and Fence Renovation	Replace landscape and fence at Warner and add irrigation lines ($300,000 grant available from City of Anaheim).	Recharge Operations (1060)	-	300,000	300,000	Fence/Walls & Other	Replacement or Refurbishment	30
19	R15014	Dump Truck	Rule 1196 requires DPF's be installed on heavy equipment vehicles. DPF does not work on this vehicle (T-50).	Recharge Operations (1060)	-	275,000	275,000	Heavy Equipment > $50,000	Replacement	27
20	R14011	Repower CAT 627E Scraper	Repower CAT 627E Scraper.	Recharge Operations (1060)	-	275,000	275,000	Heavy Equipment > $50,000	Replacement	26
21	R14012	Miller Basin Cable Replacement and Pump Reconditioning	Miller Basin cable replacement and pump reconditioning	Recharge Operations (1060)	-	240,000	240,000	Pumps	Replacement	21
22	R15015	Infrastructure and Equipment Repair	For unexpected replacement and refurbishment of miscellaneous recharge facilities and equipment	Recharge Operations (1060)	-	100,000	100,000	Other	Replacement or Refurbishment	Varying
23	R15016	Cathodic Protection	Riverview cathodic protection	Recharge Operations (1060)	-	100,000	100,000	Pipe/Pipeline	Refurbishment	NA
24	R15017	Cathodic Repair	Santiago basin cathodic repair	Recharge Operations (1060)	-	50,000	50,000	Pipe/Pipeline	Refurbishment	3
			Total	**Recharge Operations (1060)**	**$ -**	**$ 1,340,000**	**$ 1,340,000**			

FISCAL YEAR 2015-16
PROPOSED REPLACEMENT & REFURBISHMENT FUND REQUESTS

#	Project ID	Item	Description	Department	Salaries & Benefits	Project Cost	Total Project Cost	Asset Class	Refurbishment or Replacement	Asset Age (yr)
		Engineering (1070)								
25	R12034	Burris Pump Station (Multi-year Project with Total Project Cost of $25.20M)	Replacement of existing aging Burris Pump Station.	Engineering (1070)	46,392	9,000,000	9,046,392	Pumps	Replacement	26
26	R12008	Imperial Headgates and Weir Pond Rehabilitation Project (Multi-year Project with Total Project Cost of $7.17M)	Replacement of the Imperial Headgates trash rack system, diversion gates, flow meters, control room roofing, electrical system, safety improvements, repairs to the diversion structure and upgrade of the gate actuators and control systems. Replacement of damaged weir 1 and weir 2. Replacement of flume on Off-River System.	Engineering (1070)	50,818	4,500,000	4,550,818	Other	Replacement	23
27	R11015	Santiago Intertie/Repair of Transfer Structure Between Blue Diamond and Bond Basins (Multi-year Project with Total Project Cost of $3.10M; CALEMA/FEMA Grant Funding is $3.10M)	Replacement of failed transfer pipeline between Blue Diamond and Bond Basins caused by very high releases from Villa Park Dam in December 2010.	Engineering (1070)	38,409	3,100,000	3,138,409	Recharge Basins	Refurbishment	24
28	R14021	Center Levee Corrugate Metal Pipes Repair Project	Eight corrugate metal transfer pipes (CMP) along the Center Levee are deteriorating and need to be lined to maintain structural integrity.	Engineering (1070)	-	1,000,000	1,000,000	Pipe/Pipeline	Refurbishment	25
29	R14003	OCWD Administration Building Replacement and Upgrade of the HVAC Equipment and Systems (Partially Reimbursed by MWDOC)	Replace 24-year old HVAC system with an energy efficient system. The existing system has become more costly to maintain. Work would include replacing 2 chillers, 1 boiler, 3 roof top AC units, replacing the computer room with a roof mounted AC, a new energy management system, replacing 22 VAV boxes, coils and actuators and duct cleaning.	Engineering (1070)	-	950,000	950,000	Other	Replacement	24
30	R15018	GAP Pipeline Cathodic Protection Project	Corrosion studies completed in 2011 and 2013 stated that the soil surrounding the pipeline was corrosive and additional cathodic protection was necessary.	Engineering (1070)	-	300,000	300,000	Pipe/Pipeline	Refurbishment	25
31	R14023	GAP Distribution System Repairs	Replace low traffic rated vaults, leaky and broken valves, buried valve cans, and broken cathodic protection (CP) test stations.	Engineering (1070)	-	50,000	50,000	Pipe/Pipeline	Replacement or Refurbishment	24
			Total	**Engineering (1070)**	**$ 135,619**	**$ 18,900,000**	**$ 19,035,619**			
		Hydrogeology (1075)								
32	R14026	Sunset Gap Monitoring Well Replacement	Replace 52-year old seawater intrusion monitoring well BSO9A that is corroded and structurally unstable.	Hydrogeology (1075)	-	270,000	270,000	Wells (all types)	Replacement	52
33	R15019	Obsolete Well Decommissioning	Destroy unnecessary and unusable monitoring well AM-36 and unused production well IDP-3; no need for replacement as other wells in the vicinity serve the District's needs.	Hydrogeology (1075)	-	123,000	123,000	Wells (all types)	N/A	22
34	R15020	Santiago Basin Monitoring Well Replacement	Replace monitoring well SCS-13 that has corroded and leaking casing with a new well that is structurally sound for tracer study to support permitting for GWRS water recharge.	Hydrogeology (1075)	-	102,000	102,000	Wells (all types)	Replacement	7
35	R15021	Monitoring Well Refurbishment	Install PVC liners inside two casings of seawater intrusion monitoring well M38 to extend its useful life; repair/replace damaged vault boxes at other monitoring wells to prevent safety hazard and protect the interior well casings.	Hydrogeology (1075)	-	57,000	57,000	Wells (all types)	Refurbishment	17
			Total	**Hydrogeology (1075)**	**$ -**	**$ 552,000**	**$ 552,000**			
				R&R Grand Total	**$ 135,619**	**$ 26,200,583**	**$ 26,336,202**			

Section 11
Cost Center Details

Detail Cost Center General Fund Budget
Acronyms and Abbreviations

GENERAL FUND BUDGET
COST CENTER DETAIL

Cost Center		Page No.
1010	General Manager's Office	11-1
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1034	Safety & Risk Management	11-18
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GENERAL FUND OPERATING BUDGET FY 15-16
GENERAL MANAGER'S OFFICE (1010)

JDE Account Number	Description	General	Total
	ACTIVITY CODE	9900	
	SALARIES & BENEFITS		
1010.50104	REGULAR SALARIES	505,706	505,706
1010.50106	REGULAR O/T SALARIES	1,000	1,000
1010.50210	PAYROLL TAXES	8,368	8,368
1010.50202	RETIREMENT	84,367	84,367
1010.50204	HEALTH INSURANCE	54,946	54,946
1010.50206	WORKERS' COMPENSATION	2,886	2,886
	SALARIES & BENEFITS TOTAL	**657,273**	**657,273**
1010.51102	DISTRICT MEMBERSHIPS		
	AMERICAN GROUNDWATER TRUST	500	500
	AMERICAN MEMBRANE TECHNOLOGY ASSOCIATION	700	700
	AMERICAN WATER WORKS ASSOCIATION (AWWA)	1,600	1,600
	ASSOCIATION OF CALIFORNIA CITIES - ORANGE COUNTY (ACC-OC)	5,000	5,000
	ASSOCIATION OF CALIFORNIA WATER AGENCIES (ACWA)	28,000	28,000
	BUILDING INDUSTRY ASSOCIATION OF SOUTHERN CALIFORNIA	650	650
	CAL DESAL	5,000	5,000
	CAL STATE FULLERTON DEMOGRAPHICS 4 x $10,000	40,000	40,000
	CALIFORNIA SPECIAL DISTRICTS ASSOCIATION (CSDA)	6,000	6,000
	CALIFORNIA GROUNDWATER COALITION	9,500	9,500
	CHAMBERS OF COMMERCE (24)	7,200	7,200
	GROUNDWATER GUARDIAN	2,500	2,500
	GROUNDWATER FOUNDATION	100	100
	GROUNDWATER RESOURCES ASSOCIATION (GRA)	200	200
	INDEPENDENT SPECIAL DISTRICTS ASSOCIATION (ISDOC)	250	250
	INTERNATIONAL UV ASSOCIATION	250	250
	ORANGE COUNTY BUSINESS COUNCIL	5,000	5,000
	ORANGE COUNTY TAXPAYERS ASSOCIATION	2,000	2,000
	PROFESSIONAL MEMBERSHIPS (ASCE & WEF)	600	600
	REGIONAL STORMWATER TASK FORCE	1,000	1,000

GENERAL FUND OPERATING BUDGET FY 15-16
GENERAL MANAGER'S OFFICE (1010)

JDE Account Number	Description	General	Total
	ACTIVITY CODE	9900	
1010.51102	DISTRICT MEMBERSHIPS (CONTINUED)		
	SANTA ANA RIVER FLOOD PROTECTION AGENCY (SARFPA)	1,200	1,200
	SOUTHERN CALIFORNIA ALLIANCE OF PUBLICLY OWNED TREATMENT WORKS	3,000	3,000
	SOUTHERN CALIFORNIA SALINITY COALITION (NWRI)	10,000	10,000
	SOUTHERN CALIFORNIA WATER COMMITTEE	5,000	5,000
	SOUTHWEST MEMBRANE OPERATORS ASSOCIATION	300	300
	UTILITY BRANDING NETWORK	5,000	5,000
	WATER ADVISORY COMMITTEE OF ORANGE COUNTY (WACO)	100	100
	WATER EDUCATION FOUNDATION	3,500	3,500
	WATER RESEARCH FOUNDATION	100,000	100,000
	WATEREUSE ASSOCIATION	10,000	10,000
	WATEREUSE RESEARCH FOUNDATION	25,000	25,000
	DISTRICT MEMBERSHIPS TOTAL	**279,150**	**279,150**
1010.51104	SUBSCRIPTIONS		
	ADMINISTRATIVE PROFESSIONAL	700	700
	SUBSCRIPTIONS TOTAL	**700**	**700**
1010.51112	SPECIAL DISTRICT EXPENSES (SPONSORSHIPS)		
	SAWPA OWOW CONFERENCE	3,000	3,000
	CALIFORNIA WATEREUSE CONFERENCE	5,500	5,500
	SPECIAL DISTRICT EXPENSES (SPONSORSHIPS) TOTAL	**8,500**	**8,500**
1010.51192	TECHNICAL TRAINING		
	STAFF TRAINING	750	750
	TECHNICAL TRAINING TOTAL	**750**	**750**

GENERAL FUND OPERATING BUDGET FY 15-16
GENERAL MANAGER'S OFFICE (1010)

JDE Account Number	Description	General	Total
	ACTIVITY CODE	9900	
1010.51301	TRAVEL/CONFERENCE/MILEAGE		
	ACWA SPRING CONFERENCE, MONTEREY	1,500	1,500
	ACWA FALL CONFERENCE, INDIAN WELLS	1,200	1,200
	SACRAMENTO LEGISLATIVE TRIPS (6)	3,600	3,600
	WASHINGTON DC LEGISLATIVE TRIPS (2)	3,000	3,000
	30TH ANNUAL WATEREUSE SYMPOSIUM, SEATTLE	1,500	1,500
	WATEREUSE RESEARCH ANNUAL CONFERENCE, PHOENIX	1,200	1,200
	WATEREUSE RESEARCH BOARD MEETING, WASHINGTON, DC	750	750
	WATEREUSE CALIFORNIA ANNUAL CONFERENCE, SONOMA	1,500	1,500
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**14,250**	**14,250**
1010.51501	OFFICE EXPENSE - GENERAL		
	BULK OFFICE AND CONSUMABLE SUPPLIES	63,500	63,500
	FED EX	500	500
	MINUTE MAN	1,000	1,000
	MAIL DISPATCH	5,000	5,000
	POSTAGE	30,000	30,000
	OFFICE EXPENSE - GENERAL TOTAL	**100,000**	**100,000**
1010.51531	SHIRTS - LOGO		
	SHIRTS - LOGO	200	200
	SHIRTS - LOGO TOTAL	**200**	**200**
1010.51565	RENT EQUIPMENT - GENERAL		
	TOSHIBA E-1105 & E-5540CT COPY MACHINES LEASE (MAIN COPY ROOM)	20,000	20,000
	COPY CENTER C35 (MAIN COPY ROOM)	1,500	1,500
	COPY CENTER C35 (SM COPY ROOM)	1,500	1,500
	DC420AC COPIER (FHQ)	1,500	1,500
	DC420AC COPIER (LAB/MAINT)	1,500	1,500
	DC420AC COPIER (OPERATIONS)	1,500	1,500
	DC535H COPIER (LARGE COPY ROOM)	1,500	1,500
	DC535H COPIER (ANNEX)	1,500	1,500

GENERAL FUND OPERATING BUDGET FY 15-16
GENERAL MANAGER'S OFFICE (1010)

JDE Account Number	Description	General	Total
	ACTIVITY CODE	9900	
1010.51565	RENT EQUIPMENT - GENERAL (CONTINUED)		
	DC535H COPIER (WATER PRODUCTION)	1,500	1,500
	MAKEREADY SOFTWARE	6,000	6,000
	SCANNER	2,500	2,500
	DC535H COPIER (LAB)	1,500	1,500
	NEOPOST POSTAGE MACHINE	8,000	8,000
	RENT EQUIPMENT - GENERAL TOTAL	**50,000**	**50,000**
1010.53001	PROFESSIONAL SERVICES - GENERAL		
	MANAGEMENT CONSULTING	39,500	39,500
	PROFESSIONAL SERVICES - GENERAL TOTAL	**39,500**	**39,500**
1010.53005	PROFESSIONAL SERVICES - LEGAL		
	PILLSBURY WINTHROP	10,000	10,000
	RUTAN & TUCKER, LLP	350,000	350,000
	PROFESSIONAL SERVICES - LEGAL TOTAL	**360,000**	**360,000**
1010.56012	INTERAGENCY AGREEMENTS		
	ACOE WATER CONSERVATION MAINTENANCE FEE	90,000	90,000
	LOCAL AGENCY FORMATON COMMISSION (LAFCO)	33,000	33,000
	NATIONAL WATER RESOURCE INSTITUTE (NWRI)	50,000	50,000
	OCFCD WATER CONSERVATION MAINTENANCE FEE	33,000	33,000
	SAWPA	270,000	270,000
	WATER EMERGENCY RESPONSE ORGANIZATION OF ORANGE COUNTY (WEROC)	72,000	72,000
	INTERAGENCY AGREEMENTS TOTAL	**548,000**	**548,000**
1010.57004	MAINTENANCE EQUIPMENT - GENERAL		
	EQUIPMENT REPAIRS	100	100
	MAINTENANCE FOR FOLDING MACHINES	200	200
	MAINTENANCE FOR PUNCH MACHINE	100	100
	MAINTENANCE/BLADE FOR PAPER CUTTER	100	100
	MAINTENANCE EQUIPMENT - GENERAL TOTAL	**500**	**500**
	GENERAL MANAGER'S OFFICE GRAND TOTAL	**2,058,823**	**2,058,823**

GENERAL FUND OPERATING BUDGET FY 15-16
PUBLIC AFFAIRS (1012)

JDE Account Number	Description	General	Youth Education	Water Hero Program	Water Summit	Water 101	Tours	GWRSIE	Total
	ACTIVITY CODE	9900	1206	9926	9959	9962	9963	9973	
	SALARIES & BENEFITS								
1012.50104	REGULAR SALARIES	477,769	40,088	14,233	16,012	54,353	56,327	30,016	688,798
1012.50106	OVERTIME SALARIES	75	150			75	1,050	150	1,500
1012.50210	PAYROLL TAXES	9,452	583	206	291	1,083	832	496	12,943
1012.50202	RETIREMENT	72,785	6,700	2,370	2,508	8,274	9,553	4,865	107,055
1012.50204	HEALTH INSURANCE	55,931	5,806	2,433	1,469	6,470	7,942	3,902	83,953
1012.50206	WORKERS' COMPENSATION	2,728	237	81	91	314	382	180	4,013
	SALARIES & BENEFITS TOTAL	**618,740**	**53,564**	**19,323**	**20,371**	**70,569**	**76,086**	**39,609**	**898,262**
1012.51301	TRAVEL/CONFERENCE/MILEAGE								
	WASHINGTON D.C. - 1 TRIP	2,000							2,000
	ACWA CONF (1 - SPRING AND FALL)	2,000							2,000
	LOCAL ONE-DAY CONFERENCES (10)	2,000							2,000
	SACRAMENTO (12)	6,000							6,000
	MISCELLANEOUS TRAVEL EXPENSES (MILEAGE)	4,500							4,500
	WATEREUSE CONFERENCES/COMMITTEE MEETINGS, CA & NATIONAL (3)	3,000							3,000
	PRSA CONFERENCE (LOCATION VARIES) (FULL REG. IS $1,000)	2,500							2,500
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**22,000**	**-**	**-**	**-**	**-**	**-**	**-**	**22,000**
1012.51305	PUBLIC INFORMATION TOURS								
	PUBLIC TOURS & GROUNDWATER ADVENTURE TOUR (BI-ANNUAL OR MULTIPLE SMALL GROUPS)		8,000				8,000		16,000
	OC WATER 101, STATE OF THE GW BASIN & SPEAKERS BUREAU	13,000							13,000
	PUBLIC INFORMATION TOURS TOTAL	**13,000**	**8,000**	**-**	**-**	**-**	**8,000**	**-**	**29,000**
1012.51204	MISCELLANEOUS EXPENSE								
	DESAL COMMUNITY ADVISARY COMMUNICATION	3,000							3,000
	LEGISLATIVE EVENTS AND ACTIVITIES	2,500							2,500
	MISCELLANEOUS EXPENSE TOTAL	**5,500**	**-**	**-**	**-**	**-**	**-**	**-**	**5,500**
1012.53001	PROFESSIONAL SERVICES - GENERAL								
	ANNUAL REPORTS (GRAPHIC SUPPORT)	2,500							2,500
	ENS RESOURCES (FEDERAL ADVOCACY)	82,700							82,700
	JAMES F. MCCONNELL (FEDERAL ADVOCACY)	93,500							93,500
	OCWD & GWRS WEBSITE (UPKEEP)	5,000							5,000
	CRISIS COMMUNICATION PLAN UPDATE	15,000							15,000
	CERRELL ASSOCIATES	60,000							60,000
	TOWNSEND PUBLIC AFFAIRS (STATE ADVOCACY)	120,000							120,000
	WEBSITE CONTENT MANAGER	50,000							50,000
	PROFESSIONAL SERVICES - GENERAL TOTAL	**428,700**	**-**	**-**	**-**	**-**	**-**	**-**	**428,700**
1012.51501	OFFICE EXPENSE - GENERAL								
	AWARDS (SUBMITTALS)	600							600
	PHOTOGRAPHY SERVICES	11,000							11,000
	CRISIS COMMUNICATION	2,000							2,000
	MEDIA ACTIVITIES (CLIP SERVICE W/MEDIA CONTACT DB/ PRESS PACKETS, ADS)	15,000							15,000
	LICENSING TO POST/REPRINT ARTICLES	1,500							1,500
	OFFICE EXPENSES	11,000							11,000
	FLIER DISTRIBUTION (WALKING MAN CONTRACT)	3,000							3,000
	WATER ADVISORY COMMITTEE OF ORANGE COUNTY	10,200							10,200
	OFFICE EXPENSE - GENERAL TOTAL	**54,300**	**-**	**-**	**-**	**-**	**-**	**-**	**54,300**

GENERAL FUND OPERATING BUDGET FY 15-16
PUBLIC AFFAIRS (1012)

JDE Account Number	Description	General	Youth Education	Water Hero Program	Water Summit	Water 101	Tours	GWRSIE	Total
	ACTIVITY CODE	9900	1206	9926	9959	9962	9963	9973	
1012.51104	SUBSCRIPTIONS								
	LEGISLATIVE AND OTHER PUBLICATIONS	1,500							1,500
	SUBSCRIPTIONS TOTAL	**1,500**	**-**	**-**	**-**	**-**	**-**	**-**	**1,500**
1012.51102	MEMBERSHIP								
	PROFESSIONAL MEMBERSHIPS (PRSA - NATIONAL AND ORANGE COUNTY CHAPTERS)	1,000							1,000
	MEMBERSHIP TOTAL	**1,000**	**-**	**-**	**-**	**-**	**-**	**-**	**1,000**
1012.51192	TECHNICAL TRAINING								
	PROFESSIONAL DEVELOPMENT	3,000							3,000
	TECHNICAL TRAINING TOTAL	**3,000**	**-**	**-**	**-**	**-**	**-**	**-**	**3,000**
1012.56012	GWRS								
	GWRS AWARD SUBMITTALS, EVENTS & CONFERENCE MATERIALS	3,000							3,000
	ANNUAL OCWD-OCSD JOINT EMPLOYEE EVENT OR OPEN HOUSE	16,000							16,000
	GWRS GROUP TOURS & SPEAKERS BUREAU	10,000							10,000
	GWRS COLLATERAL (WEB, BAGS, PENS, 12-PAGE WF STYLE & GENERAL PUBLIC BROCHURE)	25,000							25,000
	GWRS TOTAL	**54,000**	**-**	**-**	**-**	**-**	**-**	**-**	**54,000**
1012.51112	SPECIAL DEPARTMENT EXPENSE								
	OCWD BROCHURES, FOLDERS & COLLATERAL	10,000							10,000
	EMPLOYEE EVENTS	10,000							10,000
	MARKETING (EVENT TABLING PROGRAM AND ADS)			4,000			5,000		9,000
	OC WATER HERO PROGRAM			5,000					5,000
	SPONSORSHIP FOR CHILDREN'S FOUNDATION OF OC GIFT OF HISTORY		15,000						15,000
	SPECIAL DEPARTMENT EXPENSE TOTAL	**20,000**	**15,000**	**9,000**	**-**	**-**	**5,000**	**-**	**49,000**
1012.51119	SPECIAL DEPARTMENT EXPENSE - OC WATER SUMMIT								
	OC WATER SUMMIT - OPERATING COSTS				80,000				80,000
	SPECIAL DEPARTMENT EXPENSE - OC WATER SUMMIT TOTAL	**-**	**-**	**-**	**80,000**	**-**	**-**	**-**	**80,000**
	MISCELLANEOUS REIMBURSEMENT - OC WATER SUMMIT								
1012.51119.250	OC WATER SUMMIT - SPONSOR REIMBURSEMENT				(70,000)				(70,000)
1012.51119.170	MWDOC COST SHARE				(5,000)				(5,000)
	MISCELLANEOUS REIMBURSEMENT - OC WATER SUMMIT TOTAL	**-**	**-**	**-**	**(75,000)**	**-**	**-**	**-**	**(75,000)**
1012.51116	SPECIAL DEPARTMENT EXPENSE - CWF								
	CHILDREN'S FESTIVAL		198,000						198,000
	SPECIAL DEPARTMENT EXPENSE - CWF TOTAL	**-**	**198,000**	**-**	**-**	**-**	**-**	**-**	**198,000**
	MISCELLANEOUS REIMBURSEMENT - CWF								
1012.51116.250	CHILDREN'S FESTIVAL ($70,000 SPONSORS)		(70,000)						(70,000)
	MISCELLANEOUS REIMBURSEMENT - CWF TOTAL	**-**	**(70,000)**	**-**	**-**	**-**	**-**	**-**	**(70,000)**
	PUBLIC AFFAIRS GRAND TOTAL	**1,221,740**	**204,564**	**28,323**	**25,371**	**70,569**	**89,086**	**39,609**	**1,679,262**

GENERAL FUND OPERATING BUDGET FY 15-16
INFORMATION SERVICES (1016)

JDE Account Number	Description ACTIVITY CODE	General 9900	Total
	SALARIES & BENEFITS		
1016.50104	REGULAR SALARIES	898,698	898,698
	CAPITALIZED SALARIES	(101,845)	(101,845)
1016.50210	PAYROLL TAXES	13,031	13,031
1016.50202	RETIREMENT	149,633	149,633
1016.50204	HEALTH INSURANCE	118,815	118,815
1016.50206	WORKERS' COMPENSATION	5,123	5,123
	CAPITALIZED BENEFITS	(34,573)	(34,573)
	SALARIES & BENEFITS TOTAL	**1,048,882**	**1,048,882**
1016.52501	COMMUNICATION		
	ANSWER NET AND CONFERENCING SERVICE	2,500	2,500
	CELLULAR TELEPHONE & WIRELESS SERVICES	54,000	54,000
	INTERNET SERVICE - FOUNTAIN VALLEY & PRADO	30,000	30,000
	PHONE SERVICE (PHYSICAL CIRCUITS, DID LINES, LONG DISTANCE, ETC.)	65,000	65,000
	REPLACEMENT PHONES	3,500	3,500
	MISCELLANEOUS COMMUNICATIONS	5,000	5,000
	COMMUNICATION TOTAL	**160,000**	**160,000**
1016.51301	TRAVEL/CONFERENCE/MILEAGE		
	CONFERENCE / TRAINING TRAVEL (JED - INTEROP)	5,000	5,000
	MILEAGE (FIELD HQ, PRADO)	500	500
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**5,500**	**5,500**
1016.51501	OFFICE EXPENSE - GENERAL		
	GENERAL OFFICE EXPENSE (SHIPPING, FEDEX)	2,000	2,000
	OFFICE EXPENSE - GENERAL TOTAL	**2,000**	**2,000**
1016.51510	HARDWARE/SOFTWARE		
	HARDWARE & SOFTWARE PURCHASES FOR DEPTS, PROGRAMMER TOOLS FOR IS	35,000	35,000
	COMPUTER REPLACEMENTS - QTY 20 COMPUTERS	21,000	21,000
	LABORATORY HARDWARE/SOFTWARE UPGRADES (REPLACING WINDOWS XP SYSTEMS)	46,000	46,000
	WRMS PORTAL AND APPLICATION SOFTWARE FOR HYDROGEOLOGY	15,000	15,000
	10 GIGABIT NETWORK CARDS FOR SERVERS AND BACKUP DEVICE	15,000	15,000
	MS SECURITY PATCH MANAGEMENT SYSTEM	7,000	7,000
	ADDITIONAL MS OFFICE 2010 / 2013 PROFESSIONAL LICENSES (30 LICENSES LAB/MAINT)	12,000	12,000

GENERAL FUND OPERATING BUDGET FY 15-16
INFORMATION SERVICES (1016)

JDE Account Number	Description ACTIVITY CODE	General 9900	Total
1016.51510	HARDWARE/SOFTWARE (CONTINUED)		
	HELP DESK / HARDWARE AUDITING SOFTWARE	5,000	5,000
	TAPES, STORAGE MEDIA, OFFSITE & OTHER DATA SERVICES	15,000	15,000
	REPLACEMENT BATTERIES FOR UPS (REPLACE 28 BATTERIES)	2,000	2,000
	PRINTERS (REPLACEMENT AND NETWORK PRINTERS)	4,000	4,000
	HARDWARE/SOFTWARE TOTAL	**177,000**	**177,000**
1016.57004	MAINTENANCE EQUIPMENT - GENERAL		
	MAINTENANCE AGREEMENTS FOR EXISTING HW & SW	340,000	340,000
	MAINTENANCE AGREEMENTS FOR NEW HW & SW	5,000	5,000
	ON-CALL SERVICE AGREEMENT FOR HALLWAY LEARNING CENTER EQUIPMENT	25,000	25,000
	REPAIR EXISTING CABLING (NETWORK, TELEPHONE, COPPER, ETC.)	5,000	5,000
	REPAIR EXISTING EQUIPMENT (WORKSTATIONS, PRINTERS, AUDIO/VISUAL, ETC.)	10,000	10,000
	ON-CALL SERVICE AGREEMENT FOR AUDIOVISUAL EQUIPMENT	10,000	10,000
	REPAIR EXISTING AUDIOVISUAL EQUIPMENT	5,000	5,000
	MAINTENANCE EQUIPMENT - GENERAL TOTAL	**400,000**	**400,000**
1016.53001	PROFESSIONAL SERVICE - GENERAL		
	CONSULTANT FOR NETWORK SECURITY ASSESSMENT	20,000	20,000
	CONSULTANT FOR DEVELOPING IS POLICIES AND PROCEDURES (INCLUDING SECURITY)	25,000	25,000
	CONSULTANT FOR LITIGATION RELATED NETWORK SERVICES	10,000	10,000
	ON-CALL CONSULTING (JD EDWARDS, MAXIMO, NETWORK AND NETWORK AUDITING)	25,000	25,000
	PROFESSIONAL SERVICE - GENERAL TOTAL	**80,000**	**80,000**
1016.51102	MEMBERSHIP		
	USER GROUP MEMBERSHIP	500	500
	MEMBERSHIP TOTAL	**500**	**500**
1016.51192	TECHNICAL TRAINING		
	ONGOING SOFTWARE TRAINING FOR IS DEPARTMENT	10,000	10,000
	PC SOFTWARE TRAINING FOR ALL DEPARTMENTS	4,000	4,000
	ORACLE JD EDWARDS TRAINING	10,000	10,000
	IBM MAXIMO TRAINING	10,000	10,000
	TECHNICAL TRAINING TOTAL	**34,000**	**34,000**
	INFORMATION SERVICES GRAND TOTAL	**1,907,882**	**1,907,882**

GENERAL FUND OPERATING BUDGET FY 15-16

BOARD ADMINISTRATION (1018)

JDE Account Number	Description	General	Total
	ACTIVITY CODE	9900	
	SALARIES & BENEFITS		
1018.50104	REGULAR SALARIES	297,251	297,251
1018.50118	DIRECTORS' FEES	252,088	252,088
1018.50210	PAYROLL TAXES	7,965	7,965
1018.50202	RETIREMENT	91,465	91,465
1018.50204	HEALTH INSURANCE	175,014	175,014
1018.50206	WORKERS' COMPENSATION	3,131	3,131
	SALARIES & BENEFITS TOTAL	**826,914**	**826,914**
1018.51301	BOARD TRAVEL/CONFERENCE/MILEAGE		
	ACWA, AWWA, ADA, NWRA, ASCE, CRWUA, OCCOG, WATEREUSE, AND MISC. CONFERENCES	26,300	26,300
	BOARD TRAVEL/CONFERENCE/MILEAGE TOTAL	**26,300**	**26,300**
1018.51012	LEGAL ADVERTISING		
	LEGALLY REQUIRED NOTICES AND REPORTS, I.E. PUBLIC HEARINGS, ETC.	3,000	3,000
	LEGAL ADVERTISING TOTAL	**3,000**	**3,000**
1018.51501	OFFICE EXPENSE - GENERAL		
	BOARDROOM AND BOARDROOM KITCHEN, REFRESHMENTS FOR BOARD AND COMMITTEES	15,000	15,000
	BOARDROOM SUPPLIES	700	700
	FILING FEES	100	100
	NOTARY SUPPLIES	200	200
	REFERENCE MATERIALS	200	200
	STAMPS & OFFICE SUPPLIES	1,000	1,000
	OFFICE EXPENSE - GENERAL TOTAL	**17,200**	**17,200**

GENERAL FUND OPERATING BUDGET FY 15-16

BOARD ADMINISTRATION (1018)

JDE Account Number	Description	General	Total
	ACTIVITY CODE	9900	
1018.51102	MEMBERSHIP		
	ASSOCIATION OF RECORDS MANAGERS & ADMINISTRATORS (1)	215	215
	NOTARY RECERTIFICATION (1)	500	500
	NATIONAL NOTARY ASSOCIATION (2)	225	225
	MEMBERSHIP TOTAL	**940**	**940**
1018.51192	EDUCATIONAL TRAINING		
	ARMA TRAINING AND SEMINARS	300	300
	EDUCATIONAL TRAINING TOTAL	**300**	**300**
1018.51112	SPECIAL DEPARTMENT EXPENSE		
	DOCUMENT ARCHIVAL AND SCANNING	5,000	5,000
	OFFSITE STORAGE	22,000	22,000
	RECORDS ASSESSMENT	50,000	50,000
	SPECIAL DEPARTMENT EXPENSE TOTAL	**77,000**	**77,000**
1018.51042	ELECTION COSTS		
	ACCRUED ELECTION COSTS	133,000	133,000
	ELECTION COSTS TOTAL	**133,000**	**133,000**
	BOARD ADMINISTRATION GRAND TOTAL	**1,084,654**	**1,084,654**

GENERAL FUND OPERATING BUDGET FY 15-16
PURCHASING (1022)

JDE Account Number	Description	General	Total
	ACTIVITY CODE	9900	
	SALARIES & BENEFITS		
1022.50104	REGULAR SALARIES	565,331	565,331
1022.50210	PAYROLL TAXES	8,197	8,197
1022.50202	RETIREMENT	94,128	94,128
1022.50204	HEALTH INSURANCE	104,494	104,494
1022.50206	WORKERS' COMPENSATION	8,011	8,011
	SALARIES & BENEFITS TOTAL	**780,161**	**780,161**
1022.51501	OFFICE EXPENSE - GENERAL		
	SAFETY SIGNS/HARDWARE FOR WAREHOUSE	300	300
	MISCELLANEOUS SUPPLIES (TONERS, DRUMS, FILING SUPPLIES)	5,000	5,000
	SHIPPING SUPPLIES (SHRINK WRAP/TAPE, BINDING, ETC.)	1,300	1,300
	UPS SHIPPING FEES	2,500	2,500
	TRUCK WASH FOR DISTRICT VEHICLES	1,500	1,500
	OFFICE EXPENSE - GENERAL TOTAL	**10,600**	**10,600**
1022.51520	GAS & DIESEL		
	VEHICLE FUEL	300	300
	GAS & DIESEL TOTAL	**300**	**300**
1022.51531	SHIRTS - LOGO		
	SHIRTS - LOGO/SHIRTS/JACKETS	100	100
	SHIRTS - LOGO TOTAL	**100**	**100**
1022.51545	SMALL TOOLS		
	MISCELLANEOUS HAND TOOLS	100	100
	SMALL TOOLS TOTAL	**100**	**100**

GENERAL FUND OPERATING BUDGET FY 15-16
PURCHASING (1022)

JDE Account Number	Description	General	Total
	ACTIVITY CODE	9900	
1022.51102	MEMBERSHIP		
	PURCHASING (CALIFORNIA ASSOCIATION OF PUBLIC PURCHASING OFFICERS, INC. AND NATIONAL ASSOCIATION OF PURCHASING MANAGEMENT) 1 MEMBERSHIP	230	230
	MEMBERSHIP TOTAL	**230**	**230**
1022.51192	TECHNICAL TRAINING		
	JDE AND MAXIMO/USERS TRAINING	300	300
	PURCHASING SEMINARS (INSURANCE AND NEGOTIATION)	300	300
	TECHNICAL TRAINING TOTAL	**600**	**600**
1022.51630	INVENTORY FREIGHT		
	DELIVERY FEES AND FREIGHT CHARGES	16,000	16,000
	INVENTORY FREIGHT TOTAL	**16,000**	**16,000**
1022.57016	MAINTENANCE STRUCTURE AND IMPROVEMENT - GENERAL		
	WAREHOUSE FLOOR MAINTENANCE (RECOAT FLOOR) & OFFICE CUBICLE PANELS	4,000	4,000
	MAINTENANCE STRUCTURE AND IMPROVEMENT - GENERAL TOTAL	**4,000**	**4,000**
	PURCHASING GRAND TOTAL	**812,091**	**812,091**

GENERAL FUND OPERATING BUDGET FY 15-16
FINANCE (1024)

JDE Account Number	Description	General	Total
	ACTIVITY CODE	9900	
	SALARIES & BENEFITS		
1024.50104	REGULAR SALARIES	1,327,813	1,327,813
1024.50106	OVERTIME	1,815	1,815
1024.50210	PAYROLL TAXES	20,166	20,166
1024.50202	RETIREMENT	219,002	219,002
1024.50204	HEALTH INSURANCE	193,746	193,746
1024.50206	WORKERS' COMPENSATION	7,640	7,640
	SALARIES & BENEFITS TOTAL	**1,770,182**	**1,770,182**
1024.51301	TRAVEL/CONFERENCE/MILEAGE		
	SPECIAL DISTRICT FINANCIAL MANAGEMENT CONFERENCE - SO CALIFORNIA	750	750
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**750**	**750**
1024.53001	PROFESSIONAL SERVICES - GENERAL		
	EXTERNAL AUDIT (SINGLE AUDIT / MPP INCLUDED)	65,000	65,000
	PAYROLL OUTSOURCING	58,000	58,000
	CERIDIAN INSTALATION	25,900	25,900
	SPECIALIZED ACCOUNTING/FINANCIAL SERVICES	10,000	10,000
	PROFESSIONAL SERVICES - GENERAL TOTAL	**158,900**	**158,900**
1024.51501	OFFICE EXPENSE - GENERAL		
	CHECK STOCK FOR A/P - SAFECHECKS	1,000	1,000
	COLOR COPY ALLOCATION	1,000	1,000
	COLOR PRINTING CHARGE FOR CAFR AND BUDGET BOOK	2,500	2,500
	FEDEX	1,000	1,000
	MICR TONER - A/P, P/R	1,000	1,000
	COMPREHENSIVE ANNUAL FINANCIAL REPORT APPLICATION	1,000	1,000
	MISCELLANEOUS SUPPLIES (COMPUTER PAPER, SMART & FINAL, SUPPLIES)	4,000	4,000
	OFFICE EXPENSE - GENERAL TOTAL	**11,500**	**11,500**

GENERAL FUND OPERATING BUDGET FY 15-16
FINANCE (1024)

JDE Account Number	Description	General	Total
	ACTIVITY CODE	9900	
1024.51104	SUBSCRIPTIONS		
	GASB/GAAP-ACCOUNTING JOURNAL	500	500
	SUBSCRIPTIONS TOTAL	**500**	**500**
1024.51520	GAS & DIESEL FUEL		
	SMOGPROS (TRUCK FUEL @ $350/MO)	4,200	4,200
	GAS & DIESEL FUEL TOTAL	**4,200**	**4,200**
1024.51530	UNIFORMS & SAFETY		
	OVERALL - UNIFORMS	200	200
	UNIFORMS & SAFETY TOTAL	**200**	**200**
1024.57004	MAINTENANCE EQUIPMENT - GENERAL		
	ITRON HANDHELD MAINTENANCE	1,000	1,000
	MAINTENANCE EQUIPMENT - GENERAL TOTAL	**1,000**	**1,000**
1024.51102	MEMBERSHIP		
	AMERICAN INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS	800	800
	INSTITUTE OF MANAGEMENT ACCOUNTANTS	200	200
	CALIFORNIA MUNICIPAL TREASURERS ASSOCIATION	300	300
	CPA LICENSE/AICPA (VS, DS, WX)	400	400
	CALIFORNIA SOCIETY OF MUNICIPAL FINANCE OFFICERS	300	300
	GOVERNMENT FINANCE OFFICERS ASSOCIATION	300	300
	MEMBERSHIP TOTAL	**2,300**	**2,300**

GENERAL FUND OPERATING BUDGET FY 15-16
FINANCE (1024)

JDE Account Number	Description	General	Total
	ACTIVITY CODE	9900	
1024.51192	TECHNICAL TRAINING		
	DIEHL EVANS TAX LAW CHANGES SEMINAR (2 STAFF)	1,000	1,000
	CSCPA TECHNICAL TRAINING (VS, DS, WX, JY)	2,500	2,500
	TECHNICAL TRAINING TOTAL	**3,500**	**3,500**
1024.56023	PURCHASE DISCOUNTS		
	PURCHASE DISCOUNTS	(60,500)	(60,500)
	PURCHASE DISCOUNTS TOTAL	**(60,500)**	**(60,500)**
1024.56024	REBATES - PURCHASING CARD		
	REBATES - PURCHASING CARD	(10,000)	(10,000)
	REBATES - PURCHASING CARD TOTAL	**(10,000)**	**(10,000)**
1024.56028	BANK CHARGES		
	BANK CHARGES ($3,000 AVERAGE/MO)	36,000	36,000
	BANK CHARGES TOTAL	**36,000**	**36,000**
	FINANCE GRAND TOTAL	**1,918,532**	**1,918,532**

GENERAL FUND OPERATING BUDGET FY 15-16
HUMAN RESOURCES (1030)

JDE Account Number	Description ACTIVITY CODE	General 9900	Total
	SALARIES & BENEFITS		
1030.50104	REGULAR SALARIES	407,958	407,958
1030.50210	PAYROLL TAXES	6,845	6,845
1030.50202	RETIREMENT	65,427	65,427
1030.50204	HEALTH INSURANCE	71,512	71,512
1030.50205	HEALTH INSURANCE - RETIREE PREMIUMS	15,500	15,500
1030.50206	WORKERS' COMPENSATION	2,325	2,325
	SALARIES & BENEFITS TOTAL	**569,567**	**569,567**
1030.51301	TRAVEL/CONFERENCE/MILEAGE		
	ACWA/JPIA COMMITTEE/ACWA/JPIA PERSONNEL COMMITTEE MEETINGS (6 TRIPS)	2,500	2,500
	CALPELRA CONFERENCE (MONTEREY, CA) & SEMINARS	2,000	2,000
	MILEAGE	150	150
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**4,650**	**4,650**
1030.53001	PROFESSIONAL SERVICES - GENERAL		
	CERIDIAN EMPLOYEE ASSISTANCE PROGRAM	6,300	6,300
	HEALTH AND WELLNESS	1,000	1,000
	INFORMATION RESOURCES BACKGROUND INVESTIGATION	3,000	3,000
	ALLIANT BROKER SERVCIES FEE	25,000	25,000
	RETIREMENT PLAN LEGAL CONSULTING AND PLAN FILINGS	10,000	10,000
	PRE-EMPLOYMENT PHYSICALS	4,500	4,500
	FLU SHOTS	3,000	3,000
	SHEAKLEY FEES	150	150
	PROFESSIONAL SERVICES - GENERAL TOTAL	**52,950**	**52,950**
1030.53015	TEMPORARY LABOR - GENERAL		
	TEMPORARY LABOR - DEPT. 1060	35,000	35,000
	TEMPORARY LABOR - DEPT. 1062	25,000	25,000
	TEMPORARY LABOR - DEPT. 1080	70,000	70,000
	TEMPORARY LABOR - DEPT. 1038	30,000	30,000
	TEMPORARY LABOR - DEPT. 1010	5,000	5,000
	TEMPORARY LABOR - GENERAL TOTAL	**165,000**	**165,000**

GENERAL FUND OPERATING BUDGET FY 15-16
HUMAN RESOURCES (1030)

JDE Account Number	Description ACTIVITY CODE	General 9900	Total
1030.51501	OFFICE EXPENSE - GENERAL		
	EMPLOYMENT ADVERTISING	6,000	6,000
	NEOGOV	3,000	3,000
	FEDERAL EXPRESS	200	200
	EMPLOYEE OF THE MONTH/YEAR AWARD EXPENSES	600	600
	ERP AWARD CERTIFICATES	3,000	3,000
	LENGTH OF SERVICE AWARDS	5,500	5,500
	OFFICE SUPPLIES	6,000	6,000
	OFFICE EXPENSE - GENERAL TOTAL	**24,300**	**24,300**
1030.51104	SUBSCRIPTIONS		
	LEGAL BULLETINS	200	200
	SUBSCRIPTIONS TOTAL	**200**	**200**
1030.51102	MEMBERSHIP		
	NATIONAL NOTARY ASSOCIATION	200	200
	CALPACS - PUBLIC AGENCY COMPENSATION WEBSITE	275	275
	ORANGE COUNTY HR CONSORTIUM (FORMERLY LEAGUE OF CITIES HR GROUP)	250	250
	SOCIETY HUMAN RESOUCES MANAGEMENT	185	185
	EMPLOYERS GROUP MEMBERSHIP	3,500	3,500
	MEMBERSHIP TOTAL	**4,410**	**4,410**
1030.51192	TECHNICAL TRAINING		
	HR EDUCATIONAL TRAINING	4,000	4,000
	EMPLOYEE TRAINING	4,000	4,000
	TECHNICAL TRAINING TOTAL	**8,000**	**8,000**
1030.50208	EDUCATION TUITION REIMBURSEMENT		
	EDUCATION TUITION REIMBURSEMENT	25,000	25,000
	EDUCATION TUITION REIMBURSEMENT TOTAL	**25,000**	**25,000**
1030.51112	SPECIAL DEPARTMENT EXPENSE		
	DOT DRUG & ALCOHOL PROGRAM	5,500	5,500
	EMPLOYEE FITNESS FACILITIES	3,000	3,000
	UNEMPLOYMENT INSURANCE	10,000	10,000
	SPECIAL DEPARTMENT EXPENSE TOTAL	**18,500**	**18,500**
	HUMAN RESOURCES GRAND TOTAL	**872,577**	**872,577**

GENERAL FUND OPERATING BUDGET FY 15-16
SAFETY & RISK MANAGEMENT (1034)

JDE Account Number	Description	Administration	Total
	ACTIVITY CODE	9900	
	SALARIES & BENEFITS		
1034.50104	REGULAR SALARIES	277,912	277,912
1034.50210	PAYROLL TAXES	5,239	5,239
1034.50202	RETIREMENT	43,026	43,026
1034.50204	HEALTH INSURANCE	44,098	44,098
1034.50206	WORKERS' COMPENSATION	1,920	1,920
	SALARIES & BENEFITS TOTAL	**372,195**	**372,195**
1034.52001	INSURANCE		
	CRIME/EXCESS	8,000	8,000
	FIDUCIARY	6,500	6,500
	GENERAL LIABILITY	300,000	300,000
	PROPERTY	285,000	285,000
	TOUR GROUP AND BUSINESS TRAVEL	2,300	2,300
	INSURANCE TOTAL	**601,800**	**601,800**
1034.52005	CLAIMS		
	SMALL NON-TRIAL CLAIMS, WORK COMP FIRST AID	5,000	5,000
	CLAIMS TOTAL	**5,000**	**5,000**
1034.51301	TRAVEL/CONFERENCE/MILEAGE		
	ACWA/JPIA CONFERENCE AND MEETINGS/PROFESSIONAL DEVELOPMENT (4)	2,000	2,000
	AMERICAN SOCIETY OF SAFETY ENGINEERS CONFERENCE	2,000	2,000
	PASMA CONFERENCE/BUSINESS MEETINGS	200	200
	MILEAGE	1,200	1,200
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**5,400**	**5,400**
1034.51520	GAS & DIESEL		
	FUEL - SECURITY GUARD	1,000	1,000
	GAS & DIESEL TOTAL	**1,000**	**1,000**
1034.53001	PROFESSIONAL SERVICE - GENERAL		
	HEPATITIS A AND B SHOTS	3,000	3,000
	RESPIRATOR FIT TESTS	2,000	2,000
	RESPIRATOR MEDICAL EVALUATIONS	3,500	3,500
	ERP REVISION	5,000	5,000
	PROFESSIONAL SERVICE - GENERAL TOTAL	**13,500**	**13,500**

GENERAL FUND OPERATING BUDGET FY 15-16
SAFETY & RISK MANAGEMENT (1034)

JDE Account Number	Description	Administration	Total
	ACTIVITY CODE	9900	
1034.51501	OFFICE EXPENSE - GENERAL		
	MSDS ONLINE ANNUAL FEE (YEAR 3 OF 3 YEAR CONTRACT)	2,700	2,700
	ANNUAL LICENSE AGREEMENT - SMART HAZARD MANAGER SYSTEM	1,000	1,000
	FEDERAL EXPRESS/COURIER	200	200
	MISCELLANEOUS SUPPLIES	500	500
	TRAINING MATERIALS AND MEETING EXPENSES	1,500	1,500
	OFFICE EXPENSE - GENERAL TOTAL	**5,900**	**5,900**
1034.51104	SUBSCRIPTIONS		
	CAL OSHA REPORTER	400	400
	BUSINESS AND LEGAL REPORT (BLR)	1,000	1,000
	SUBSCRIPTIONS TOTAL	**1,400**	**1,400**
1034.51530	UNIFORMS & SAFETY		
	ERGONOMIC EQUIPMENT	4,000	4,000
	PERSONAL PROTECTIVE EQUIPMENT	2,000	2,000
	UNIFORMS FOR SECURITY GUARD AND OCWD SHIRTS	1,000	1,000
	SAFETY GLASSES - RX	5,000	5,000
	SHOES	15,000	15,000
	UNIFORMS & SAFETY TOTAL	**27,000**	**27,000**
1034.57004	MAINTENANCE EQUIPMENT - GENERAL		
	MEDICAL EQUIPMENT (SAFETY SUPPLIES/ DEFIB SUPPLIES)	1,000	1,000
	MAINTENANCE EQUIPMENT - GENERAL TOTAL	**1,000**	**1,000**
1034.51550	SAFETY SUPPLIES		
	CONFINED SPACE /HAZMAT EQUIPMENT	3,000	3,000
	DISASTER/HAZMAT SUPPLIES	3,000	3,000
	SAFETY INCENTIVES	1,200	1,200
	FIRST AID SUPPLIES	1,000	1,000
	SIGNS, TRAFFIC CONES	2,500	2,500
	SAFETY SUPPLIES TOTAL	**10,700**	**10,700**
1034.51102	MEMBERSHIP		
	AMERICAN SOCIETY OF SAFETY ENGINEERS	165	165
	PUBLIC SAFETY MANAGEMENT ASSOCIATION	75	75
	MEMBERSHIP TOTAL	**240**	**240**

GENERAL FUND OPERATING BUDGET FY 15-16
SAFETY & RISK MANAGEMENT (1034)

JDE Account Number	Description	Administration	Total
	ACTIVITY CODE	9900	
1034.51192	STAFF TRAINING		
	CONFINED SPACE - TRAINING AND ANNUAL REQUIRED DRILLS	20,000	20,000
	RESPIRATOR TRAINING	2,000	2,000
	CPR/FIRST AID/AED	4,200	4,200
	CRANE SAFETY	1,000	1,000
	ELECTRICAL TRAINING	7,000	7,000
	FIRE EXTINGUSHER	500	500
	HAZMAT 24/40 HOUR	2,000	2,000
	HAZMAT ANNUAL	6,000	6,000
	LOTO	5,000	5,000
	POWERED INDUSTRIAL VEHICLES - FORKLIFT	5,000	5,000
	SAFETY STAFF REQUIRED PROFESSIONAL TRAINING	5,000	5,000
	STAFF TRAINING TOTAL	**57,700**	**57,700**
1034.51202	SECURITY PROGRAM		
	ACCESS CONTROL MAINTENANCE/AGREEMENT	8,000	8,000
	ALARM SYSTEM MONITORING - TRI-TEK	3,800	3,800
	SECURITY PROGRAM TOTAL	**11,800**	**11,800**
1034.51112	SPECIAL DEPARTMENT EXPENSE		
	CITY/COUNTY ALARM PERMITS	350	350
	COUNTY HAZMAT WASTE PROGRAM - CUPA	3,500	3,500
	DTSC AND EPA FEES	1,100	1,100
	HAZMAT DISPOSAL FEE AND CITY PERMITS	750	750
	STATE GENERATOR FEE	1,200	1,200
	SPECIAL DEPARTMENT EXPENSE TOTAL	**6,900**	**6,900**
	SAFETY AND RISK MANAGEMENT GRAND TOTAL	**1,121,535**	**1,121,535**

GENERAL FUND BUDGET FY 15-16
WATER QUALITY (1036)

JDE Account Number	Description	General	GWP Assistance	GWR System O&M	SAR Monitoring	Forebay VOC Litigation	SBGPP	MTBE Litigation	ERC POWUP	Total
	ACTIVITY CODE	9900	4406	9922	4602	9936	9941	9954	9983	
	SALARIES & BENEFITS									
1036.50104	REGULAR SALARIES	494,997	166,734	281,714	139,251	478	13,911	478	25,486	1,123,049
1036.50106	OVERTIME	3,578	829	3,715	1,833		154		213	10,322
1036.50210	PAYROLL TAXES	7,229	2,430	4,139	2,046	7	204	7	373	16,435
1036.50202	RETIREMENT	83,013	27,899	47,524	23,491	80	2,342	80	4,279	188,708
1036.50204	HEALTH INSURANCE	65,897	19,403	40,702	21,116	49	2,009	49	3,340	152,565
1036.50206	WORKERS' COMPENSATION	10,451	2,426	7,429	3,814	3	375	3	581	25,082
	SALARIES & BENEFITS TOTAL	**665,165**	**219,721**	**385,223**	**191,551**	**617**	**18,995**	**617**	**34,272**	**1,516,161**
1036.51301	TRAVEL/CONFERENCES									
	ACWA WATER QUALITY TASK FORCE MTGS. (SACRAMENTO AREA); OTHER WQ CONF.	1,500								1,500
	TRAVEL/CONFERENCES TOTAL	**1,500**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1,500**
1036.51501	OFFICE EXPENSE - GENERAL									
	OFFICE/WQ SAMPLING CONSUMABLE PRODUCTS (SAMPLE BOTTLE LABELS, COPY PAPER, PRINTER CARTRIDGES, TAPE, ETC.); REFERENCE MATERIALS	5,000	2,000	2,600	1,000		100		200	10,900
	FEDEX SHIPPING: WQ SAMPLES TO RESEARCHERS - COOPERATIVE, JOINT EFFORT; JPIA SAFETY AND TRAINING VIDEOS, ETC.	2,500								2,500
	OFFICE EXPENSE - GENERAL TOTAL	**7,500**	**2,000**	**2,600**	**1,000**	**-**	**100**	**-**	**200**	**13,400**
1036.51520	GAS & DIESEL FUEL									
	GASOLINE/DIESEL FUEL	4,600	5,500	2,500	2,000		100		300	15,000
	GAS & DIESEL FUEL TOTAL	**4,600**	**5,500**	**2,500**	**2,000**	**-**	**100**	**-**	**300**	**15,000**
1036.51530	UNIFORMS & SAFETY									
	OCWD UNIFORMS	1,500								1,500
	UNIFORMS & SAFETY TOTAL	**1,500**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1,500**
1036.57004	MAINTENANCE EQUIPMENT - GENERAL									
	ROUTINE MAINT & PARTS FOR FIELD MONITORING EQUIPMENT, PUMPS, GENERATORS, CONSTRUCTING ANCILLARY SYSTEMS, TREATMENT ISSUES, ETC.; REPLACEMENT EQUIPMENT PIPES, TUBES, WIRE, CONNECTORS, FITTINGS, SPARE PARTS FOR MECHANICAL AND SUBMERSIBLE PUMPS; SAFETY ITEMS, TRAFFIC CONTROL DEVICES	7,000	1,500	2,500	1,000					12,000
	REPLACEMENT OF FAILED SUBMERSIBLE PUMPS - MP1 & SQE PUMPS AT EXISTING SITES OR PUMPS ON TRUCKS	15,000								15,000
	HYDRAULIC SYSTEM MAINTENANCE (T-98)	900		900	200					2,000
	MANUFACTURER FIELD EQUIPMENT REPAIRS	3,700	100	2,000	2,000		100		100	8,000
	MAINTENANCE EQUIPMENT - GENERAL TOTAL	**26,600**	**1,600**	**5,400**	**3,200**	**-**	**100**	**-**	**100**	**37,000**
1036.51545	SMALL TOOLS/FIELD SUPPLIES									
	BATTERIES, GEN. FIELD SUPPLIES & MATERIALS FOR SAMPLE COLLECTION TASKS; BUCKETS, ICE CHESTS, MAN-HOLE PULLERS, CARBON TREATMENT VESSELS AND ANCILLARY PARTS, LOCKS, 250-GAL DECON WATER TANK(S) OR OTHER TANKS/VESSELS, SAFETY EQUIPMENT (LIGHT BAR, CONES, SIGNS), CARBON SUPPLIES, SPECIALIZED FITTINGS FOR CARBON TREATMENT SYSTEM, DRUMS FOR SPENT CARBON	6,500	1,000	4,000	3,200		100		200	15,000
	WQ CONSUMABLE ITEMS (TUBING, HOSES, FITTINGS, SMALL TOOLS, BLUE ICE, SHIPPING SUPPLIES & PACKING MATERIALS REPLACEMENT OF AGED, FAILED FIELD METERS, PROBES, WATER LEVEL TAPES, CONTROLLERS, ETC.)	10,000								10,000
	FILTRASORB F600 CARBON AND PELLETIZED CARBON FOR MOBILE CARBON TREATMENT UNITS (MONITORING WELL DISCHARGES)	20,000								20,000
	SMALL TOOLS/FIELD SUPPLIES TOTAL	**36,500**	**1,000**	**4,000**	**3,200**	**-**	**100**	**-**	**200**	**45,000**

GENERAL FUND BUDGET FY 15-16
WATER QUALITY (1036)

JDE Account Number	Description	General	GWP Assistance	GWR System O&M	SAR Monitoring	Forebay VOC Litigation	SBGPP	MTBE Litigation	ERC POWUP	Total
	ACTIVITY CODE	9900	4406	9922	4602	9936	9941	9954	9983	
1036.51555	LAB SUPPLIES/EQUIPMENT									
	CALIBRATION SOLUTIONS AND FIELD PRESERVATIVES GLASSWARE, STORAGE CONTAINERS, CARBOYS, GLOVES, DISPENSERS, SAFETY GLASSES, SPILL CONTROL MATERIALS, MISC. LAB SUPPLIES AND UTENSILS, RADIOACTIVITY BOTTLES AND OTHER SPECIALTY SAMPLE CONTAINERS OR SUPPLIES (ORP SOLUTION, ETC.)	1,200	400	700	500		100		100	3,000
	LAB SUPPLIES/EUIPMENT TOTAL	**1,200**	**400**	**700**	**500**	**-**	**100**	**-**	**100**	**3,000**
1036.51560	LAB SAMPLES ANALYSIS									
	GWRS PERMIT: FPW, TALBERT BARRIER AND FOREBAY BASIN MW SITES: RADIOLOGICAL, PRIORITY POLLUTANTS, ASBESTOS, DIOXIN, DIPLOMATE RPT. SITES; MICROBIAL AND MONTHLY ROP COLIPHAGE MONITORING.			61,800						61,800
	CEC AND OTHER DBPs STUDIES AT TREATMENT PROCESSES, ETC.			25,000						25,000
	DRINKING WATER RADIOACTIVE: TRIENNIAL TESTING AND NEW WELLS		17,200							17,200
	GREEN ACRES MONITORING	800								800
	SAR WATER QUALITY: MICROBIAL (E.G., PHAGE, BACTERIAL, ETC.) INDICATORS (INCLUDES SITES PREVIOUSLY UNDER GWRS PGM NOW SHARED WITH SAR PANEL OVERSIGHT); TOTAL ORGANIC HALIDES (TOX) AND RADIOLOGICAL TESTING				40,000					40,000
	RIVER DESILTING STUDIES (RIVERBED FILTRATION)	5,000								5,000
	SAR WATER QUALITY STUDIES: EMERGING CONTAMINANTS				5,000					5,000
	IRVINE DESALTER/MCAS TCE PLUME: NAVY AGREEMENT, AND IRWD/DPH MONITORING PROGRAM - SENTINEL WELLS	12,867								12,867
	MISC. OUTSIDE LAB TESTING (SPILLS, EMERGENCIES, SPLITS, CONFIRMATION TESTING, SPECIFIC ANALYTES, ETC.)	12,000								12,000
	POWUP RESEARCH - PRADO WETLANDS: CONTAMINANT REMOVAL STUDY								2,000	2,000
	LAB SAMPLES ANALYSIS TOTAL	**30,667**	**17,200**	**86,800**	**45,000**	**-**	**-**	**-**	**2,000**	**181,667**
1036.51192	TECHNICAL TRAINING									
	STAFF SAFETY /WQ SAMPLING/TECHNICAL TRAINING (I.E., STORMWATER NEW PERMIT TRAINING, REGULATORY, ETC.)	1,000								1,000
	TECHNICAL TRAINING TOTAL	**1,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1,000**
1036.51112	SPECIAL DEPT EXPENSE									
	NPDES STORMWATER PERMIT - GWRS FACILITY			1,834						1,834
	NPDES GENERAL DEWATERING PERMIT - BASINWIDE (EXCLUDES DISCHARGES TO NEWPORT BAY)	1,996								1,996
	SEAL BEACH NAVAL WEAPONS STATION: RAPIDGATE CREDENTIALS FOR OCWD (COMPANY) AND STAFF ACCESS TO BASE	2,170								2,170
	SPENT CARBON DISPOSAL COSTS (CARBON TREATMENT OF PURGED GW AT MONITORING WELL SITES TO MEET NPDES DISCHARGE PERMIT LIMITS)	2,500		500						3,000
	SPECIAL DEPT EXPENSE TOTAL	**6,666**	**-**	**2,334**	**-**	**-**	**-**	**-**	**-**	**9,000**
	WATER QUALITY GRAND TOTAL	**782,898**	**247,421**	**489,557**	**246,451**	**617**	**19,495**	**617**	**37,172**	**1,824,228**

GENERAL FUND OPERATING BUDGET FY 15-16

LABORATORY (1038)

JDE Account Number	Description	General	GWR System O&M	Talbert Barrier O&M	GAP O&M	Groundwater Producers Assistance	MTBE Litigation	Forebay VOC N. Basin	SAR Monitoring	Prado O&M	Total
	ACTIVITY CODE	9900	9922	9908	9911	4406	9954	9936	4602	9924	
	SALARIES & BENEFITS										
1038.50104	REGULAR SALARIES	316,549	910,482	242,782	111,661	788,017	5,784	5,784	124,097	109,522	2,614,678
1038.50106	OVERTIME	3,623	19,160	5,124	2,304	16,235			2,587	2,211	51,244
1038.50210	PAYROLL TAXES	4,642	15,575	3,857	1,914	13,757	84	84	2,099	1,882	43,894
1038.50202	RETIREMENT	53,309	149,158	40,573	18,272	128,280	963	963	20,389	17,900	429,807
1038.50204	HEALTH INSURANCE	41,117	135,239	36,277	15,639	117,137	720	720	18,548	15,363	380,760
1038.50206	WORKERS' COMPENSATION	3,572	10,340	2,757	1,268	8,947	65	65	1,409	1,243	29,666
	SALARIES & BENEFITS TOTAL	**422,812**	**1,239,954**	**331,370**	**151,058**	**1,072,373**	**7,616**	**7,616**	**169,129**	**148,121**	**3,550,049**
1038.51301	TRAVEL/CONFERENCE/MILEAGE										
	OTHER CONFERENCES - NEMC, DHS, EPA - REGULATORY UPDATES	2,000	500	500		1,000					4,000
	WQTC - AWWA CONFERENCE WITHIN CA	1,500				500					2,000
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**3,500**	**500**	**500**	**-**	**1,500**	**-**	**-**	**-**	**-**	**6,000**
1038.51501	OFFICE EXPENSE - GENERAL										
	OFFICE SUPPORT MATERIALS	4,500	1,500	1,000	100	1,500	1,000	1,000	1,500	200	12,300
	PAPERS, PARTS, DATA CABLES, INSTRUMENT DATA LINKS, ETC.	1,500	250	250		250	250	250	250		3,000
	OFFICE EXPENSE - GENERAL TOTAL	**6,000**	**1,750**	**1,250**	**100**	**1,750**	**1,250**	**1,250**	**1,750**	**200**	**15,300**
1038.51104	SUBSCRIPTIONS										
	JOURNAL: AWWA, ACS, ANALYTICAL CHROMATOGRAPHY					200					200
	SUBSCRIPTIONS TOTAL	**-**	**-**	**-**	**-**	**200**	**-**	**-**	**-**	**-**	**200**
1038.51525	ONLINE DATA SERVER										
	UCMR PROGRAM SUPPORT					500					500
	ONLINE DATA SERVER TOTAL	**-**	**-**	**-**	**-**	**500**	**-**	**-**	**-**	**-**	**500**
1038.51530	UNIFORMS & SAFETY										
	LAB COATS AND SAFETY EQUIPMENT		1,000	500	500	1,000			500	500	4,000
	UNIFORMS & SAFETY TOTAL	**-**	**1,000**	**500**	**500**	**1,000**	**-**	**-**	**500**	**500**	**4,000**
1038.57004	MAINTENANCE EQUIPMENT - GENERAL										
	DIONEX IC SYSTEM (ANIONS/IDBP)		3,500	3,500	500	4,000			5,000	1,500	18,000
	DIONEX IC SYSTEM (PERCHLORATE/CR VI)		3,500	3,500	500	4,000			5,000	1,500	18,000
	ICP/MS		9,000	4,000	500	6,000			8,000	1,000	28,500
	ICP/OES		7,000	1,500	600	4,400			3,500	1,000	18,000
	LABORATORY BALANCES		500	300	300	600			400	400	2,500
	LABORATORY SCIENTIFIC REFRIGERATORS (19)		1,500	1,000	500	2,000			500	500	6,000
	BRUKER GC/MS SYSTEM		8,000	2,000	1,000	8,000			5,000	1,000	25,000
	LIMS (ASPEN) AND INSTRUMENT INTERFACE (LIMSLINK) SERVICE SUPPORT		3,000	1,000	1,000	3,000			1,000	1,000	10,000
	TOC SYSTEMS		8,500	2,000	3,000	8,500			8,200	1,300	31,500
	GC/MS ANALYTICAL SYSTEMS (ORGANIC)		44,000			50,000			30,000	1,000	125,000
	WATER'S HPLC SYSTEMS		9,000	2,000		8,000			5,000	1,000	25,000

GENERAL FUND OPERATING BUDGET FY 15-16

LABORATORY (1038)

JDE Account Number	Description	General	GWR System O&M	Talbert Barrier O&M	GAP O&M	Groundwater Producers Assistance	MTBE Litigation	Forebay VOC N. Basin	SAR Monitoring	Prado O&M	Total
	ACTIVITY CODE	9900	9922	9908	9911	4406	9954	9936	4602	9924	
1038.57004	MAINTENANCE EQUIPMENT - GENERAL (CONTINUED)										
	NITROGEN GENERATOR		2,250			2,250					4,500
	TRI-GAS GENERATOR		3,000	1,000		3,000			3,000		10,000
	APPLIED BIOSYSTEM - LC/MS/MS		25,000	2,000		12,000			3,000		42,000
	AB SCIEX 6500		27,000	3,000		12,000			3,000		45,000
	LEAP AUTOSAMPLER		2,500	1,000		2,000			1,000		6,500
	AUTOTITRATOR		1,000			1,000					2,000
	AGILENT LC SUPPORT		3,500	1,000		3,000			500		8,000
	HIGH SPEED PRINTER		1,000	500		1,500			500		3,500
	DI SYSTEM - SUPPORT & MAINTENANCE		2,000	2,000	1,000	4,000			2,000	1,000	12,000
	STERIS -STERILIZERS, DRYING OVENS & AUTOMATED WASHERS		6,000	2,000	4,000	4,000			3,000	2,000	21,000
	CULLIGAN RO SYSTEM		500	500	500	500			500	500	3,000
	FUME HOOD CERTIFICATION (36) & SNORKEL(35) SERVICE		1,200			1,200			1,200		3,600
	ACID DILUTION TANK PM'S		1,000			1,000			1,000		3,000
	VACUUM TRUCK HAUL OFF		2,500		2,000				500		5,000
	CHEM PRO - CORROSION INHIBITOR		1,400								1,400
	MAINTENANCE EQUIPMENT - GENERAL TOTAL	**-**	**177,350**	**33,800**	**15,400**	**145,950**	**-**	**-**	**90,800**	**14,700**	**478,000**
1038.51545	SMALL TOOLS & EQUIPMENT										
	TOOLS AND EQUIPMENT TO SERVICE ANALYTICAL SYSTEM		1,000	500	500	500			500		3,000
	SMALL TOOLS & EQUIPMENT TOTAL	**-**	**1,000**	**500**	**500**	**500**	**-**	**-**	**500**	**-**	**3,000**
1038.51555	LAB SUPPLIES										
	CYLINDER	60,000	330,000	80,000	15,000	240,000			75,000	50,000	850,000
	LAB SUPPLIES TOTAL	**60,000**	**330,000**	**80,000**	**15,000**	**240,000**	**-**	**-**	**75,000**	**50,000**	**850,000**
1038.51560	LAB SAMPLES ANALYSIS										
	CONFIRMATION DATA FROM A SECOND LAB		500	200	200	500			400	200	2,000
	LAB SAMPLES ANALYSIS TOTAL	**-**	**500**	**200**	**200**	**500**	**-**	**-**	**400**	**200**	**2,000**
1038.51565	EQUIPMENT RENTAL - GENERAL										
	CYLINDER RENTAL		600	300	200	400			500		2,000
	EQUIPMENT RENTAL - GENERAL TOTAL	**-**	**600**	**300**	**200**	**400**	**-**	**-**	**500**	**-**	**2,000**
1038.51192	EDUCATIONAL TRAINING										
	LAB TRAINING ON COMPLEX INSTRUMENTATION	4,000									4,000
	EDUCATIONAL TRAINING TOTAL	**4,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4,000**
1038.51112	SPECIAL DEPARTMENT EXPENSE										
	ANNUAL CERTIFICATION FEE AND HAZARDOUS WASTE DISPOSAL SERVICE	5,000	8,000	4,500	2,000	6,500			6,000		32,000
	SPECIAL DEPARTMENT EXPENSE TOTAL	**5,000**	**8,000**	**4,500**	**2,000**	**6,500**	**-**	**-**	**6,000**	**-**	**32,000**
	LABORATORY GRAND TOTAL	**501,312**	**1,760,654**	**452,920**	**184,958**	**1,471,173**	**8,866**	**8,866**	**344,579**	**213,721**	**4,947,049**

GENERAL FUND OPERATING BUDGET FY 15-16
RESEARCH & DEVELOPMENT (1040)

		GRANT FUNDED BUDGET			NON-GRANT FUNDED BUDGET							
JDE Account Number	Description	General	SARTMDL	Culture/QPCR E. Coli Detection Validation Study	ERC POWUP	Next Gen. Sequencing	Bacteroides qPCR Meth.	GWR Process Optimization	Talbert Barrier O&M	Forebay O&M	ADVMET	Total
	ACTIVITY CODE	9900	9955	9980	9983	9992	9991	9952	9908	9920	9953	
	SALARIES & BENEFITS											
1040.50104	REGULAR SALARIES	252,276	26,060	13,253	23,604	12,915	7,595	242,063	3,560	120,024	11,208	712,558
1040.50210	PAYROLL TAXES	3,909	577	224	541	198	121	4,023	52	3,668	163	13,476
1040.50202	RETIREMENT	41,329	3,804	2,122	3,395	2,122	1,236	38,925	593	14,807	1,866	110,199
1040.50204	HEALTH INSURANCE	26,556	2,185	1,017	1,626	1,017	613	21,601	302	8,810	912	64,639
1040.50206	WORKERS' COMPENSATION	2,825	292	148	264	145	85	2,711	40	1,344	126	7,980
	SALARIES & BENEFITS TOTAL	**326,895**	**32,918**	**16,764**	**29,430**	**16,397**	**9,650**	**309,323**	**4,547**	**148,653**	**14,275**	**908,852**
1040.51301	TRAVEL/CONFERENCE/MILEAGE											
	WATEREUSE							3,000				3,000
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**-**	**-**	**-**	**-**	**-**	**-**	**3,000**	**-**	**-**	**-**	**3,000**
1040.53001	PROFESSIONAL SERVICES - GENERAL											
	DR. EUNHA HOH (YEAR 1 OF 1)							10,000				10,000
	DR. STEPHEN MEZYK (YEAR 2 OF 2)							25,000				25,000
	ADVANCED DATA MINING INTL. (ADMI) (YEAR 1 OF 1)							20,000				20,000
	DR. KAIL LOON CHEN (YEAR 1 OF 1)							10,000				10,000
	DR. HAIZHOU LIU (YEAR 1 OF 1)							10,000				10,000
	DON PHIPPS CONSULTING							5,000				5,000
	PROFESSIONAL SERVICES - GENERAL TOTAL	**-**	**-**	**-**	**-**	**-**	**-**	**80,000**	**-**	**-**	**-**	**80,000**
1040.51501	OFFICE EXPENSE - GENERAL											
	MISC. OFFICE EXPENSES (NOTEBOOKS, PHOTO, REPORT PREPARATION, POSTERS)	100	100									200
	PRINTER INK/TONER CARTRIDGES	500										500
	SHIPPING (FEDEX/COURIER)	100						700				800
	OFFICE FURNITURE	500										500
	OFFICE EXPENSE - GENERAL TOTAL	**1,200**	**100**	**-**	**-**	**-**	**-**	**700**	**-**	**-**	**-**	**2,000**
1040.51520	GAS & DIESEL FUEL											
	FUEL FOR DEPARTMENT VEHICLE	300	100							600		1,000
	GAS & DIESEL FUEL TOTAL	**300**	**100**	**-**	**-**	**-**	**-**	**-**	**-**	600	**-**	**1,000**
1040.51530	UNIFORMS & SAFETY											
	LAB COATS (SUPPLY & CLEANING)	900										900
	UNIFORMS & SAFETY TOTAL	**900**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**900**

GENERAL FUND OPERATING BUDGET FY 15-16
RESEARCH & DEVELOPMENT (1040)

		GRANT FUNDED BUDGET			NON-GRANT FUNDED BUDGET							
JDE Account Number	Description	General	SARTMDL	Culture/QPCR E. Coli Detection Validation Study	ERC POWUP	Next Gen. Sequencing	Bacteroides qPCR Meth.	GWR Process Optimization	Talbert Barrier O&M	Forebay O&M	ADVMET	Total
	ACTIVITY CODE	9900	9955	9980	9983	9992	9991	9952	9908	9920	9953	
1040.57004	MAINTENANCE EQUIPMENT - GENERAL											
	ABI 310 GENETIC ANALYZER SERVICE CONTRACT	8,300										8,300
	ALL BALANCES (9)	450										450
	ALL INCUBATORS (6)	800										800
	MICROSCOPE REPAIR/CLEANING	790										790
	ATOMIC FORCE MICROSCOPE SYSTEM	700										700
	ATR-FTIR SPECTROMETER SERVICE CONTRACT	6,800										6,800
	ABI STEP ONE PLUS SERVICE CONTRACT	3,300										3,300
	ALL HOOD SAFETY INSPECTION/CALIBRATION (4)	850										850
	FRL EQUIPMENT MAINTENANCE	2,000										2,000
	HIGH SPEED CENTRIFUGES (2)	500										500
	LARGE REFRIGERATOR	500										500
	UV RADIOMETER CALIBRATION/SERVICE	450										450
	MEMBRANE TEST UNITS REPAIRS (11)	2,000										2,000
	VERTI FAST THERMOCYCLER SERVICE CONTRACT	2,100										2,100
	SMALL REFRIGERATORS (6)	500										500
	SPECTROPHOTOMETERS (4)	400										400
	COULTER MULTISIZER 4 SERVICE CONTRACT	5,250										5,250
	ULTRA LOW TEMP FREEZER	1,000										1,000
	MAINTENANCE EQUIPMENT - GENERAL TOTAL	**36,690**	**-**	**-**	-	-	-	**-**	-	-	-	**36,690**
1040.57016	MAINT STRUCTURE & IMPROVEMENT - GENERAL											
	GENERAL DEPARTMENTAL REPAIR WORK	400										400
	MAINT STRUCTURE & IMPROVEMENT - GENERAL TOTAL	**400**	-	-	-	-	-	-	-	-	-	**400**
1040.51555	LAB SUPPLIES											
	EXPENDABLE LAB SUPPLIES - GENERAL	7,000	2,000		1,500			4,000		4,500	500	19,500
	HYDRAULIC SUPPLIES (PUMPS, VALVES, FITTINGS)							2,000		2,000		4,000
	MEMBRANES (MF/RO)							500				500
	MOLECULAR BIOLOGY SUPPLIES		4,000		1,500			1,500		500	250	7,750
	LAB SUPPLIES TOTAL	**7,000**	**6,000**	**-**	3,000	-	-	**8,000**	-	7,000	750	**31,750**

GENERAL FUND OPERATING BUDGET FY 15-16
RESEARCH & DEVELOPMENT (1040)

		GRANT FUNDED BUDGET			NON-GRANT FUNDED BUDGET							
JDE Account Number	Description	General	SARTMDL	Culture/QPCR E. Coli Detection Validation Study	ERC POWUP	Next Gen. Sequencing	Bacteroides qPCR Meth.	GWR Process Optimization	Talbert Barrier O&M	Forebay O&M	ADVMET	Total
	ACTIVITY CODE	9900	9955	9980	9983	9992	9991	9952	9908	9920	9953	
1040.51560	LAB SAMPLES ANALYSIS											
	EM ANALYSIS							6,000				6,000
	OTHERS (DNA SEQUENCING, CHEMICAL ANALYSIS, ETC.)							2,000				2,000
	LAB SAMPLES ANALYSIS TOTAL	**-**	**-**	**-**	**-**	**-**	**-**	**8,000**	**-**	**-**	**-**	**8,000**
1040.51565	EQUIPMENT RENTAL - GENERAL											
	BOTTLED WATER SERVICE (DS WATERS BPO ANNEX)	200										200
	DI CARTRIDGES (US FILTER BPO)	1,000										1,000
	GAS CYLINDERS/LIQUID N2 (PRAXAIR BPO)	300										300
	EQUIPMENT RENTAL - GENERAL TOTAL	**1,500**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1,500**
1040.51102	MEMBERSHIP											
	AMERICAN SOCIETY FOR MICROBIOLOGY (ASM)	75										75
	INTERNATIONAL ULTRAVIOLET ASSOCIATION (IUVA)	95										95
	MEMBERSHIP TOTAL	**170**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**170**
1040.51112	SPECIAL DEPARTMENT EXPENSE											
	JOURNAL PAGE CHARGES & REPRINTS	100										100
	REFERENCE MATERIAL (BOOKS, MANUALS, CDS)	400										400
	SPECIAL DEPARTMENT EXPENSE TOTAL	**500**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**500**
												-
	RESEARCH AND DEVELOPMENT GROSS TOTAL	**375,555**	**39,118**	**16,764**	**32,430**	**16,397**	**9,650**	**409,023**	**4,547**	**156,253**	**15,025**	**1,074,762**

GENERAL FUND OPERATING BUDGET FY 15-16
PLANNING & WATERSHED MANAGEMENT (1044)

JDE Account Number	Description	General	Prado FS	Total
	ACTIVITY CODE	9900	9978	
	SALARIES & BENEFITS			
1044.50104	REGULAR SALARIES	555,744	33,069	588,813
1044.50210	PAYROLL TAXES	8,058	480	8,538
1044.50202	RETIREMENT	92,531	5,506	98,037
1044.50204	HEALTH INSURANCE	58,766	3,088	61,854
1044.50206	WORKERS' COMPENSATION	3,168	188	3,356
	SALARIES & BENEFITS TOTAL	**718,267**	**42,331**	**760,598**
1044.51301	TRAVEL/CONFERENCE/MILEAGE			
	ACWA CONFERENCES (FALL AND SPRING)	2,000		2,000
	ACWA GROUNDWATER COMM MTGS IN SACRAMENTO	600		600
	WASHINGTON DC MTGS WITH ARMY CORPS ON PRADO FS		1,800	1,800
	GRA BOARD MEETINGS & CONFERENCE	1,600		1,600
	MEETINGS REGARDING SUSTAINABLE GROUNDWATER MANAGEMENT ACT	1,000		1,000
	ISMAR 9 - MANAGED AQUIFER RECHARGE CONFERENCE (MEXICO CITY)	1,500		1,500
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**6,700**	**1,800**	**8,500**
1044.53001	PROFESSIONAL SERVICE - GENERAL			
	PRADO BASIN FEASIBILITY STUDY (TECHNICAL STUDIES AND CONSULTANT SUPPORT)		150,000	150,000
	UPDATES TO COMPUTER MODEL OF RECHARGE FACILITIES	10,000		10,000
	MID-BASIN INJECTION CEQA ANALYSIS	60,000		60,000
	SUPPORT FOR CEQA COMPLIANCE (AIR & NOISE ANALYSES)	30,000		30,000
	SARI/OCSD PLANT 2 RECYCLING WATER QUALITY STUDY	50,000		50,000
	SANTA ANA RIVER WATERMASTER ACTION TEAM	10,000		10,000
	TECHNICAL REVIEW FOR REWG - DR MATT BECKER	2,000		2,000
	PROFESSIONAL SERVICE - GENERAL TOTAL	**162,000**	**150,000**	**312,000**
1044.51501	OFFICE EXPENSE - GENERAL			
	OFFICE SUPPLIES	100		100
	REWG MEETING EXPENSES	600		600
	SPECIAL COPYING AND FEDERAL EXPRESS	1,500		1,500
	OFFICE EXPENSE - GENERAL TOTAL	**2,200**	**-**	**2,200**

GENERAL FUND OPERATING BUDGET FY 15-16
PLANNING & WATERSHED MANAGEMENT (1044)

JDE Account Number	Description	General	Prado FS	Total
	ACTIVITY CODE	9900	9978	
1044.51520	GAS & DIESEL FUEL			
	FUEL FOR DISTRICT VEHICLES	4,000		4,000
	GAS & DIESEL FUEL TOTAL	**4,000**	**-**	**4,000**
1044.51112	SPECIAL DEPARTMENT EXPENSE			
	WATER RIGHTS FEE (STATE WATER RESOURCES CONTROL BOARD)	25,000		25,000
	REGIONAL GENERAL MAINTENANCE PERMIT (CA DEPT OF FISH & WILDLIFE ANNUAL FEE)	8,000		8,000
	REWG STUDIES (LOWER FIVE COVES, LINCOLN, SANTIAGO CREEK AT GRIJALVA PK)	35,000		35,000
	PERMIT FEES FOR PROJECTS (CDFG, ARMY CORPS, REG BOARD, CEQA FILINGS)	15,000		15,000
	SPECIAL DEPARTMENT EXPENSE TOTAL	**83,000**	**-**	**83,000**
1044.51530	UNIFORMS & SAFETY			
	DISTRICT SHIRTS	200		200
	UNIFORMS & SAFETY TOTAL	**200**	**-**	**200**
1044.51102	MEMBERSHIP			
	PROFESSIONAL CERTIFICATIONS	400		400
	MEMBERSHIP TOTAL	**400**	**-**	**400**
	PLANNING & WATERSHED MANAGEMENT GRAND TOTAL	**976,767**	**194,131**	**1,170,898**

GENERAL FUND OPERATING BUDGET FY 15-16
LOCAL RESOURCES (1045)

JDE Account Number	Description	General	Total
	ACTIVITY CODE	9900	
	SALARIES & BENEFITS		
1045.50104	REGULAR SALARIES	193,031	193,031
1045.50210	PAYROLL TAXES	2,799	2,799
1045.50202	RETIREMENT	32,140	32,140
1045.50204	HEALTH INSURANCE	19,541	19,541
1045.50206	WORKERS' COMPENSATION	1,100	1,100
	SALARIES & BENEFITS TOTAL	**248,611**	**248,611**
1045.51102	MEMBERSHIPS		
	MEMBERSHIPS (OCWA, AWWA, CRWA)	200	200
	MEMBERSHIPS TOTAL	**200**	**200**
1045.51301	TRAVEL/CONFERENCE/MILEAGE		
	ACWA MEETING	1,200	1,200
	LOCAL MEETINGS	250	250
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**1,450**	**1,450**
1045.51501	OFFICE EXPENSE - GENERAL		
	OFFICE/MEETING SUPPLIES	400	400
	COLOR COPIES	300	300
	FEDERAL EXPRESS TO GRANT & LOAN FUNDING AGENCIES	400	400
	OFFICE EXPENSE - GENERAL TOTAL	**1,100**	**1,100**
	LOCAL RESOURCES GRAND TOTAL	**251,361**	**251,361**

GENERAL FUND OPERATING BUDGET FY 15-16
REGULATORY AFFAIRS (1046)

JDE Account Number	Description	General	GWR System O&M	Prado O&M	Prado POWUP O & M	SAR Monitoring	Total
	ACTIVITY CODE	9900	9922	9924	9983	4602	
	SALARIES & BENEFITS						
1046.50104	REGULAR SALARIES	339,967	8,913	53,475		26,738	429,093
1046.50210	PAYROLL TAXES	5,967	182	1,090		545	7,784
1046.50202	RETIREMENT	55,198	1,343	8,059		4,030	68,630
1046.50204	HEALTH INSURANCE	35,736	1,037	6,220		3,110	46,103
1046.50206	WORKERS' COMPENSATION	1,938	51	305		152	2,446
	SALARIES & BENEFITS TOTAL	**438,806**	**11,526**	**69,149**	**-**	**34,575**	**554,056**
1046.51301	TRAVEL/CONFERENCE/MILEAGE						
	DPR ADVISORY GROUP/SWRCB ANTI-DEG MEETINGS (SACRAMENTO)	1,500					1,500
	2015 WATEREUSE ANNUAL SYMPOSIUM (SEPTEMBER: SEATTLE, WA)	1,250					1,250
	2016 WATEREUSE CALIFORNIA ANNUAL CONF (MARCH: N. CALIFORNIA)	2,000					2,000
	2016 WATEREUSE AND DESAL RESEARCH CONFERENCE (MAY: TBD)	2,000					2,000
	2016 AWWA WQTC CONF (NOV: SALT LAKE CITY, UT)	1,250					1,250
	WATEREUSE RESEARCH FOUNDATION RAC MEETINGS	1,000					1,000
	NSF ERC ADVISORY BOARD MEETINGS (SEMI-ANNUAL, PALO ALTO)				1,250		1,250
	WATEREUSE & WATER RF PROJECT WORKSHOPS	1,000					1,000
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**10,000**	**-**	**-**	**1,250**	**-**	**11,250**
1046.53001	PROFESSIONAL SERVICE - GENERAL						
	CONSULTING SERVICES FOR NEW GWRS & GAP RWQCB PERMIT		20,000				20,000
	CONSULTING SERVICES FOR GWRS ANNUAL REPORT		44,200				44,200
	NWRI SAR WQ MONITORING INDEPENDENT ADVISORY PANEL		25,000				25,000
	NWRI GWRS INDEPENDENT ADVISORY PANEL (PERMIT REQMT)		50,000				50,000
	STANFORD MOBILIZATION/POST-TREATMENT STUDY		10,000				10,000
	NSF ERC IAB MEMBERSHIP (STANFORD, UC-BERKELEY, CSM, NMSU)				10,000		10,000
	PROFESSIONAL SERVICE - GENERAL TOTAL	**-**	**149,200**	**-**	**10,000**	**-**	**159,200**

GENERAL FUND OPERATING BUDGET FY 15-16
REGULATORY AFFAIRS (1046)

JDE Account Number	Description	General	GWR System O&M	Prado O&M	Prado POWUP O & M	SAR Monitoring	Total
	ACTIVITY CODE	9900	9922	9924	9983	4602	
1046.51501	OFFICE EXPENSE - GENERAL						
	PUREWG MEETINGS	4,000					4,000
	OFFICE EXPENSE - GENERAL TOTAL	**4,000**	**-**	**-**	**-**	**-**	**4,000**
1046.51104	SUBSCRIPTION						
	ENVIRONMENTAL SCIENCE & TECHNOLOGY JOURNAL (ACS)	200					200
	GROUNDWATER JOURNAL (NGWA)	200					200
	SUBSCRIPTION TOTAL	**400**	**-**	**-**	**-**	**-**	**400**
1046.51102	MEMBERSHIPS AND REGISTRATIONS						
	IWA & AWWA MEMBERSHIPS AND PROFESSIONAL REGISTRATIONS	800					800
	MEMBERSHIPS AND REGISTRATIONS TOTAL	**800**	-	-	-	-	**800**
1046.51112	SPECIAL DEPARTMENT EXPENSE						
	RWQCB PERMIT FEE FOR GWR SYSTEM RIVER DISCHARGE	6,000					6,000
	SWRCB DDW FEES FOR REVIEWING PERMITS AND PROJECTS	20,000					20,000
	SPECIAL DEPARTMENT EXPENSE TOTAL	**26,000**	**-**	**-**	**-**	**-**	**26,000**
	REGULATORY AFFAIRS GRAND TOTAL	**480,006**	**160,726**	**69,149**	**11,250**	**34,575**	**755,706**

GENERAL FUND OPERATING BUDGET FY 15-16
WATER PRODUCTION (1050)

JDE Account Number	Description	General	GWR System O&M	Process Optimization	Talbert Barrier O&M	FV Facility O&M	GAP O&M	Lab Maintenance	Alamitos Barrier O&M	Forebay O&M	MWDOC	Total
	ACTIVITY CODE	9900	9922	9952	9908	9901	9911	9974	9932	9920	9970	
	SALARIES & BENEFITS											
1050.50104	REGULAR SALARIES	710,266	3,173,717	377,473	546,352	451,442	647,662	129,767		39,844	77,475	6,153,998
1050.50106	OVERTIME SALARIES	21,822	194,751	13,156	14,613	14,766	39,091	4,620		602	3,427	306,848
1050.50210	PAYROLL TAXES	10,676	49,931	5,725	8,134	6,760	9,958	1,949		586	1,173	94,892
1050.50202	RETIREMENT	121,730	557,928	64,877	93,401	77,624	114,344	22,375		6,734	13,470	1,072,483
1050.50204	HEALTH INSURANCE	106,204	526,680	55,754	89,234	79,342	110,914	23,904		6,384	13,288	1,011,704
1050.50206	WORKERS' COMPENSATION	15,204	93,782	7,332	15,819	13,559	20,182	3,635		955	2,433	172,901
	SALARIES & BENEFITS TOTAL	**985,902**	**4,596,789**	**524,317**	**767,553**	**643,493**	**942,151**	**186,250**	**-**	**55,105**	**111,266**	**8,812,826**
1050.51301	TRAVEL/CONFERENCE/MILEAGE											
	PATEL JULY 2015 AMTA WORKSHOP AND BOARD MEETING, TORONTO, CANADA (JUST ATTENDING AMTA BOARD MEETING AT EVENT, TRIP COSTS PARTIALLY REIMBURSED BY AMTA)		300									300
	PATEL SEPT 2015 WATEREUSE ANNUAL CONFERENCE, SEATTLE, WA		1,500									1,500
	PATEL SEPT 2014 SWMOA 1 DAY WORKSHOP, TBD, CA		300									300
	PATEL FEB 2016 AWWA/AMTA JOINT MEMBRANE TECHNOLOGY CONF, SAN ANTONIO, TX (CONF ORGANIZER, ABSTRACT WILL BE SUBMITTED, AMTA BOARD MEETING)		2,000									2,000
	PATEL OCT 2015 AMTA WORKSHOP, KNOXVILLE, TN (JUST ATTENDING AMTA BOARD MEETING AT EVENT, TRIP COSTS PARTIALLY REIMBURSED BY AMTA)		300									300
	PATEL MAY 2016, SWMOA ANNUAL SYMPOSIUM, SCOTTSDALE, AZ		800									800
	PATEL SEPT 2015 IDA WORLD CONGRESS, SAN DIEGO, CA (ABSTRACT SUBMITTED, PARTICIPATE AS A MODERATOR)		800									800
	KNOELL 2016 CA WATEREUSE ANNUAL OR WATEREUSE DESALINATION RESEARCH CONFERENCE (SANTA ROSA, CA. PAPER)			800								800
	KNOELL 2016 SWMOA ANNUAL SYMPOSIUM (PHOENIX, AZ. BOARD MEETING AT EVENT, PAPER)			800								800
	KNOELL AUGUST 2015 IDA WORLD CONGRESS(SAN DIEGO, CA. PAPER ACCEPTED)			900								900
	DUNIVIN WATER REUSE CONFERENCE TBD		1500									1,500
	CWEA ANNUAL CONFERENCE		1250									1,250
	KALINOWSKI EMERSON USER CONFERENCE		2500									2,500
	PCS PROGRAMMER EMERSON USER CONFERENCE		2500									2,500
	MAINTENANCE CWEA LOCAL SECTION TRISTATE CONFERENCE (3)		2500									2,500
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**-**	**16,250**	**2,500**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**18,750**
1050.53001	PROFESSIONAL SERVICES-GENERAL											
	CONSULTING SERVICES GWRS		75,000									75,000
	PROFESSIONAL SERVICES-GENERAL TOTAL	**-**	**75,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**75,000**
1050.51501	OFFICE EXPENSE - GENERAL											
	BLUE PRINT AND COPIES		2,000									2,000
	FILING CABINETS, CHAIRS		3,500									3,500
	OFFICE SUPPLIES		12,000	400								12,400
	OFFICE EXPENSE - GENERAL TOTAL	**-**	**17,500**	**400**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**17,900**
1050.51510	HARDWARE/SOFTWARE											
	PCS SYSTEM SOFTWARE SUPPORT (EMERSON GUARDIAN)		50,500									50,500
	PCS SYSTEM HARDWARE		7,000									7,000
	LAB BUILDING BMS SYSTEM HARDWARE/SOFTWARE UPGRADE							5,700				5,700
	ADOBE PROFESSIONAL				500							500
	HARDWARE/SOFTWARE TOTAL	**-**	**57,500**	**-**	**500**	**-**	**-**	**5,700**	**-**	**-**	**-**	**63,700**

GENERAL FUND OPERATING BUDGET FY 15-16
WATER PRODUCTION (1050)

JDE Account Number	Description	General	GWR System O&M	Process Optimization	Talbert Barrier O&M	FV Facility O&M	GAP O&M	Lab Maintenance	Alamitos Barrier O&M	Forebay O&M	MWDOC	Total
	ACTIVITY CODE	9900	9922	9952	9908	9901	9911	9974	9932	9920	9970	
1050.51520	GAS & DIESEL FUEL											
	FUEL		9,000		11,000	1,500						21,500
	GAS & DIESEL FUEL TOTAL	**-**	**9,000**	**-**	**11,000**	**1,500**	**-**	**-**	**-**	**-**	**-**	**21,500**
1050.51530	UNIFORMS & SAFETY											
	BOTTLED WATER AS REQUIRED IN TREATMENT AREA		2,500									2,500
	JACKETS, POLO SHIRTS, RAINGEAR		3,000		500							3,500
	DISTRICT SUPPLIED UNIFORMS		40,000									40,000
	UNIFORMS & SAFETY TOTAL	**-**	**45,500**	**-**	**500**	**-**	**-**	**-**	**-**	**-**	**-**	**46,000**
1050.57001	MAINTENANCE - SUPPLIES & MATERIAL - ELECTRICAL/INSTRUMENTATION											
	MISC MOTOR, PUMP WAREHOUSE SUPPLIES		4,500		1,000	500	1,000					7,000
	PLANT UPS SYSTEM REPAIRS		5,500		1,000		500					7,000
	ELECTRICAL WAREHOUSE SUPPLIES		3,000	1,000			500					4,500
	INSTRUMENTATION PARTS AND SUPPLIES		6,500	5,000			500					12,000
	LIGHTING & EMERGENCY, LIGHT SUPPLIES		3,000			1,000	200	500				4,700
	OFFICE ELECTRICAL & LIGHTING REPAIRS		1,500			1,000		500				3,000
	MAINT. - SUPPLIES & MATERIAL - ELECTRICAL/INSTRUMENTATION TOTAL	**-**	**24,000**	**6,000**	**2,000**	**2,500**	**2,700**	**1,000**	**-**	**-**	**-**	**38,200**
1050.57004	MAINTENANCE - SUPPLIES & MATERIAL											
	BARRIER FIELD EQUIPMENT REPAIR SUPPLIES				2,000							2,000
	BOTTLED GAS NITROGEN ECT FOR BARRIER, OPTIONS & MAINTENANCE		500		3,200		750					4,450
	EQUIPMENT AND STRUCTURE REPAIRS SUPPLIES		3,500			1,500	1,500	1,000				7,500
	EQUIPMENT LUBRICATION SUPPLIES		21,000	2,000		1,000	3,500					27,500
	FENCING AND SECURITY GATE REPAIRS		2,500		1,500	1,500						5,500
	GASKETS, BEARINGS, AND GEARS WAREHOUSE SUPPLIES		6,000		500	750	1,250					8,500
	HARDWARE SUPPLIES FOR BUILDINGS AND PROCESSES		6,000	500	1,000	1,000	1,000					9,500
	IRRIGATION SUPPLIES			2,000	1,000	2,000	2,000					7,000
	JANITORIAL SUPPLIES					10,000						10,000
	ADMININSTATION, LABORATORY & ANNEX REPAIRS					5,000		3,000				8,000
	LANDSCAPE SUPPLIES					3,000						3,000
	LUMBER, PAINT, HARDWARE SUPPLIES		1,500				2,000					3,500
	PIPE AND SUPPLIES		6,000	8,000		3,000	1,500					18,500
	PVC PIPE REPAIRS AND SUPPLIES		7,500	4,000		1,000	2,500					15,000
	SIGNAGE SUPPLIES		2,000			2,000	1,000					5,000
	SITE FACILITY PAINTING/SUPPLIES		5,000			4,000	1,000					10,000
	STRUCTURE BLDG REPAIRS MISC		6,000		500	2,500	1,500	1,500				12,000
	WELDING MATERIAL (SHEET METAL, STAINLESS, ANGLE IRON)		7,000	1,000	2,000	1,500	1,500					13,000
	SUMP PUMP REPLACEMENT ELECTRICAL MANHOLES		6,000		1,000	750	750					8,500
	WELDING SUPPLIES		5,000		500	500	750					6,750
	US FLAGS					2,000						2,000
	MAINTENANCE - SUPPLIES & MATERIAL TOTAL	**-**	**85,500**	**17,500**	**13,200**	**43,000**	**22,500**	**5,500**	**-**	**-**	**-**	**187,200**
1050.57006	MAINTENANCE EQUIPMENT - COMMUNICATION											
	REPAIR AND REPLACEMENT OF HANDHELD AND CAR RADIOS		4,000		800		750					5,550
	MAINTENANCE EQUIPMENT - COMMUNICATION TOTAL	**-**	**4,000**	**-**	**800**	**-**	**750**	**-**	**-**	**-**	**-**	**5,550**
1050.57008	MAINTENANCE EQUIPMENT - CARTS											
	REPAIR OF CARTS	2,000	6,000									8,000
	MAINTENANCE EQUIPMENT - CARTS TOTAL	**2,000**	**6,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**8,000**
1050.57010	MAINTENANCE EQUIPMENT - VEHICLES											
	MAINTENANCE OF ALL VEHICLES IN OCWD FV POOL	32,000										32,000
	SOFTWARE UPGRADE VEHICLE SCANNER	2,000										2,000
	MAINTENANCE EQUIPMENT - VEHICLES TOTAL	**34,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**34,000**

GENERAL FUND OPERATING BUDGET FY 15-16
WATER PRODUCTION (1050)

JDE Account Number	Description	General	GWR System O&M	Process Optimization	Talbert Barrier O&M	FV Facility O&M	GAP O&M	Lab Maintenance	Alamitos Barrier O&M	Forebay O&M	MWDOC	Total
	ACTIVITY CODE	9900	9922	9952	9908	9901	9911	9974	9932	9920	9970	
1050.57012	MAINTENANCE EQUIPMENT - HEAVY EQUIPMENT											
	MAINTENANCE OF HEAVY EQUIPMENT FOR WATER PRODUCTION		3,500									3,500
	MAINTENANCE OF LARGE AIR COMPRESSOR FOR INJECTION WELLS						1,500					1,500
	MAINTENANCE EQUIPMENT - HEAVY EQUIPMENT TOTAL	**-**	**3,500**	**-**	**-**	**-**	**1,500**	**-**	**-**	**-**	**-**	**5,000**
1050.57016	MAINTENANCE STRUCTURE AND IMPROVEMENT - OUTSIDE SERVICES											
	FV SITE BUILDING REPAIRS		1,500			2,500						4,000
	ROOF REPAIRS		1,000			700	500					2,200
	ANNUAL INSPECTION/REPAIR OF RPPD		3,500			1,500	3,000					8,000
	PLANT WIDE CRANE SERVICE AND INSPECTION		12,000			500						12,500
	CONCRETE REPAIRS & CORE DRILLING		1,000		250	300						1,550
	ELEVATOR YEARLY INSPECTION AND CERTIFICATION (MF, RO, ANNEX & LAB)		2,800			7,500						10,300
	FIRE SPRINKLER SERVICE WET AND DRY QUARTERLY AND ANNUAL TEST		10,500			4,500						15,000
	FIRE EXTINQUISHER SERVICE PM		5,000									5,000
	LABORATORY FIRE ALARM SERVICE							5,000				5,000
	FV SITE FIRE ALARM SERVICE/REPAIR		9,000			2,500						11,500
	HVAC & AIR HANDLING PREVENTIVE MAINT GWRS & FV OFFICES		35,000			24,500	1,500	6,500				67,500
	HVAC & AIR HANDLING REPAIRS GWRS AND FV SITE OFFICES		12,000			6,000	1,000					19,000
	HVAC LAB PM/REPAIR INCLUDES PHOENIX AND ANDOVER CONTROLS & BOILERS							34,000				34,000
	JANITORIAL SERVICE GWRS, FV, LAB BLDS & WINDOWS INCLUDES SHARED MWDOC					79,000						79,000
	GWRS EXTERIOR PANEL MAINTENANCE					4,000						4,000
	EMERGENCY JANITORIAL SERVICES AND CARPET CLEANING					3,000						3,000
	LANDSCAPE SERVICES INCLUDING SHARED MWDOC					45,000						45,000
	TREE TRIMMING SERVICE					7,500						7,500
	INDOOR PLANT SERVICES					3,300						3,300
	EXTERMINATOR PEST CONTROL SERVICES		1,500			5,000						6,500
	RAINBOW DISPOSAL TRASH PICKUP INCLUDES SHARED MWDOC		3,000			20,000						23,000
	SITE STREET SWEEPING					4,500						4,500
	MEDIUM VOLTAGE VFD ANNUAL PM		36,500									36,500
	MOTOR CONTROL CENTER PM		2,500			500	1,000					4,000
	MEDIUM VOLTAGE DISTRIBUTOR & SWITCHGEAR PM & OIL TESTING		21,000									21,000
	MEDIUM VOLTAGE DISTRIBUTOR & SWITCHGEAR PM REPAIRS 20% OF PM		4,200									4,200
	NFPA SAFETY EQUIPMENT CERTIFICATION/TESTING		1,500									1,500
	NIST CERTIFICATION CALIBRATION ELECTRICAL SHOP EQUIPMENT		2,000									2,000
	GWRS EMERGENCY GENERATORS QUARTERLY INSPECTION & LOAD TEST		4,000									4,000
	MOTOR OIL ANALYSIS		4,000				2,000					6,000
	MOTOR VIBRATION ANALYSIS		1,000				250					1,250
	PLUMBING SERVICE BUILDINGS		1,000			2,000	500					3,500
	PUMP MISC INSPECTION AND MODIFICATION		1,500			1,000						2,500
	REPAIR STAINLESS STEEL VALVE, FITTINGS AND MISC PIPES		1,500		500		750					2,750
	REPAIR/INSPECTION OF AIR VAC AND PRESS RELIEF & BF VALVES		1,000		750		1,000					2,750
	USA OUTSOURCE UNDERGROUND SERVICE ALERTS		27,000		12,000		35,000					74,000
	USA NOTIFICATION REQUEST FEE		3,000				5,000					8,000
	STOCKING MAINTENANCE PARTS CAGE		3,000	750	750	750	800					6,050
	WINDOW AND DOOR REPAIRS AND SUPPLIES		1,000		500	500	1,000					3,000
	VIBRALIGN CALIBRATION & SERVICE		1,500									1,500
	ANNUAL GARAGE DOOR MAINTENANCE		1,500			500						2,000
	FUME HOOD CERTIFICATION		400									400
	UE SYSTEMS ULTRASONIC CALIBRATION SERVICE		600									600
	MAINTENANCE STRUCTURE AND IMPROVEMENT - OUTSIDE SERVICES TOTAL	**-**	**217,500**	**750**	**14,750**	**227,050**	**53,300**	**45,500**	**-**	**-**	**-**	**558,850**
1050.57044	MAINTENANCE STRUCTURE AND IMPROVEMENT - GWRS SCREENINGS											
	SCREENINGS PM		18,000									18,000
	MAINTENANCE STRUCTURE AND IMPROVEMENT - GWRS SCREENINGS TOTAL	**-**	**18,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**18,000**

GENERAL FUND OPERATING BUDGET FY 15-16
WATER PRODUCTION (1050)

JDE Account Number	Description	General	GWR System O&M	Process Optimization	Talbert Barrier O&M	FV Facility O&M	GAP O&M	Lab Maintenance	Alamitos Barrier O&M	Forebay O&M	MWDOC	Total
	ACTIVITY CODE	9900	9922	9952	9908	9901	9911	9974	9932	9920	9970	
1050.57031	MAINT. STRUCTURE AND IMPROVEMENT - GWRS MICROFILTRATION											
	MF BACKWASH PUMP PM		4,000									4,000
	MF FILTRATE PUMP PM		8,000	2,000								10,000
	MF PUMP VFD PM/REPAIRS		14,000	800								14,800
	MF PCS EQUIPMENT		5,000	500								5,500
	MF CHEMICAL PUMPS		7,000	2,000								9,000
	MF INSTRUMENTATION PM		6,500	1,000								7,500
	MF CHLORINE ANALYZER PM (INCLUDES $1800 FOR POTASSIUM IODIDE)		7,500	1,000								8,500
	MF PIPE REPAIRS		18,000	500								18,500
	MF COMPRESSOR PM		4,000									4,000
	MF BLOWER PM		10,000									10,000
	MF VALVE/ACTUATOR PM		26,000	2,000								28,000
	TRANSFER PUMP, BACKWASH PUMP AND VALVE PM		14,000									14,000
	MISC MF ELEMENT REPLACEMENT NON WARRANTY/TESTING OF NEW (MANUFACTURERS) ELEMENT APPROX. 7 ELEMENTS @ $690 EACH			5,000								5,000
	MAINTENANCE STRUCTURE AND IMPROVEMENT - GWRS MICROFILTRATION TOTAL	**-**	**124,000**	**14,800**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**138,800**
1050.57032	MAINTENANCE STRUCTURE/IMPROVEMENT - GWRS REVERSE OSMOSIS											
	RO FEED PUMP PM		15,000	4,000								19,000
	REPLACE 4 MECHANICAL SEALS RO FEED PUMPS		10,000									10,000
	RO ACID PUMP PM		5,000	1,000								6,000
	RO VFD PM		5,000									5,000
	RO PCS EQUIPMENT		5,000									5,000
	RO INSTRUMENTATION PM		5,000	5,000								10,000
	RO PRESSURE VESSEL END CAP ORING REPLACEMENT		12,000									12,000
	RO PIPE REPAIRS		15,000	5,000								20,000
	REPLACING RO CLEANING PVC PIPE		15,000									15,000
	TOC ANALYZER CHEMICALS/MISC.		12,000									12,000
	TOC ANALYZER PM		18,000									18,000
	RO VALVE ACTUATOR PM		4,000									4,000
	MISC RO MEMBRANES (FULL-SCALE EVALUATIONS)		8,000	5,000								13,000
	MAINTENANCE STRUCTURE/IMPROVEMENT - GWRS REVERSE OSMOSIS TOTAL	**-**	**129,000**	**20,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**149,000**
1050.57038	MAINTENANCE STRUCTURE/IMPROVEMENT - GWRS UV SYSTEM											
	UV CHEMICAL PUMP PM		5,000									5,000
	UV PCS EQUIPMENT		3,500									3,500
	UV INSTRUMENT PM		2,500									2,500
	UV LAMP ASSEMBLY PM ORINGS END ADAPTERS		5,000									5,000
	UV BALLASTS		10,000									10,000
	UV LAMP REPLACEMENT AND SPARES		528,000									528,000
	UV LAMP RECYLCLING FEE		6,000									6,000
	UV QUARTZ SLEEVES		5,000									5,000
	UV TRANSMITTANCE METER PM		2,000									2,000
	UV VALVE ACTUATOR PM		2,500									2,500
	MAINTENANCE STRUCTURE/IMPROVEMENT - GWRS UV SYSTEM TOTAL	**-**	**569,500**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**569,500**
1050.57046	MAINTENANCE STRUCTURE/IMPROVEMENT - GWRS LIME SYSTEM											
	LIME MIXING EQUIPMENT PM		6,000									6,000
	POLYMER EQUIPMENT		2,000									2,000
	LIME INSTRUMENTATION		2,000									2,000
	LIME LOOP PUMP PM / SLAKER PM		8,000									8,000
	LIME 4 INCH SLUDGE LINE PLUMBING PM		6,000									6,000
	LIME SOLIDS HAULING		2,000									2,000
	LIME VALVE PM		3,000									3,000
	MAINTENANCE STRUCTURE/IMPROVEMENT - GWRS LIME SYSTEM TOTAL	**-**	**29,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**29,000**

GENERAL FUND OPERATING BUDGET FY 15-16
WATER PRODUCTION (1050)

JDE Account Number	Description	General	GWR System O&M	Process Optimization	Talbert Barrier O&M	FV Facility O&M	GAP O&M	Lab Maintenance	Alamitos Barrier O&M	Forebay O&M	MWDOC	Total
	ACTIVITY CODE	9900	9922	9952	9908	9901	9911	9974	9932	9920	9970	
1050.57048	MAINT. STRUCTURE/IMPROV. - GWRS PRODUCT WTR PUMP STATION											
	VFD PM		3,500									3,500
	MOTOR PM		2,000									2,000
	PUMP PM		6,500									6,500
	VALVE PM		4,000									4,000
	INSTRUMENTATION PM		2,500									2,500
	MAINT STRUCTURE/IMPROVEMENT - GWRS PRODUCT WATER PUMP STATION TOTAL	**-**	**18,500**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**18,500**
1050.57034	MAINTENANCE STRUCTURE/IMPROVEMENT - GREEN ACRES PROJECT											
	GAP EFFLUENT PUMP VFD PM						2,500					2,500
	GAP EFFLUENT MOTOR PM						3,000					3,000
	GAP EFFLUENT PUMP PM						2,500					2,500
	GAP BACKWASH PUMP PM						1,000					1,000
	GAP CHEMICAL PUMP PM						1,500					1,500
	GAP FLOCCULATOR PM						1,500					1,500
	GAP PCS REPAIRS						2,500					2,500
	GAP CL2 ANALYZER PM						2,500					2,500
	GAP INSTRUMENT PM						3,000					3,000
	GAP PIPING REPAIRS						1,000					1,000
	GAP VALVE PM						1,500					1,500
	GAP AIR VAC AND PIPELINE EMERGENCY REPAIRS						6,000					6,000
	GAP CHLORINE MIXER REPAIRS						2,000					2,000
	VACUUM TRUCK TO CLEAN BW SUMP						8,000					8,000
	MAINTENANCE STRUCTURE/IMPROVEMENT - GREEN ACRES PROJECT TOTAL	**-**	**-**	**-**	**-**	**-**	**38,500**	**-**	**-**	**-**	**-**	**38,500**
1050.57036	MAINTENANCE STRUCTURE/IMPROVEMENT - INJECTION WELLS											
	REHAB TALBERT INJECTION WELLS 8 to 10 I-WELLS				225,000							225,000
	INJECTION WELL INSTRUMENT PM				4,000							4,000
	INJECTION WELL PCS PM				3,000							3,000
	REPAIR & RECALIBRATION OF FLOW METERS/INSTRUMENTS/9 MAG METERS				2,500							2,500
	REPAIR ACCESS HATCHES AND VAULTS				25,000							25,000
	REPAIR OF DOWN-HOLE VALVES AND BF PUMPS				20,000							20,000
	REPAIR/INSPECTION OF SEB 10 INCH BACK FLOW PREVENTION				2,000							2,000
	REPLACEMENT PARTS AND SUPPLIES FOR BARRIER				30,000							30,000
	REPAIR STAINLESS STEEL VALVE, FITTINGS AND MISC PIPES				5,000							5,000
	REPAIR/INSPECTION OF AIR VAC AND PRESS RELIEF & BF VALVES				4,000							4,000
	INJECTION WELL SUMP PUMP PM				3,500							3,500
	NEW LASER TUBIDITY METER				4,900							4,900
	BARRIER FIELD EQUIPMENT SUPPLIES REPAIRS				2,000							2,000
	PATRICAL COUNTER MAINTENANCE				1,200							1,200
	MAINTENANCE STRUCTURE/IMPROVEMENT - INJECTION WELLS TOTAL	**-**	**-**	**-**	**332,100**	**-**	**-**	**-**	**-**	**-**	**-**	**332,100**
1050.51540	CARTRIDGE FILTERS - REVERSE OSMOSIS											
	REPLACEMENT OF RO PRETREATMENT FILTERS 2 REPLACEMENTS OF 14 HOUSING WITH 283 FILTERS EACH		50,000									50,000
	CARTRIDGE FILTERS - REVERSE OSMOSIS TOTAL	**-**	**50,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**50,000**
1050.51545	SMALL TOOLS											
	TOOLS OPERATIONS		1,500	300	1,000							2,800
	TOOLS MAINTENANCE		2,600	400	500							3,500
	TOOLS I&E		3,000									3,000
	INSTRUMENT SHOP CALIBRATION EQUIPMENT		3,500		1,200							4,700
	SPECIALIZED TOOLS FOR TREATMENT PROCESS AREAS		6,000									6,000
	SMALL TOOLS TOTAL	**-**	**16,600**	**700**	**2,700**	**-**	**-**	**-**	**-**	**-**	**-**	**20,000**

GENERAL FUND OPERATING BUDGET FY 15-16
WATER PRODUCTION (1050)

JDE Account Number	Description	General	GWR System O&M	Process Optimization	Talbert Barrier O&M	FV Facility O&M	GAP O&M	Lab Maintenance	Alamitos Barrier O&M	Forebay O&M	MWDOC	Total
	ACTIVITY CODE	9900	9922	9952	9908	9901	9911	9974	9932	9920	9970	
1050.51550	SAFETY SUPPLIES											
	TRAFFIC SAFETY SUPPLIES		800		1,000							1,800
	CONFINED SPACE GAS DETECTORS		2,000		1,500							3,500
	CONFINED SPACE BLOWERS		1,000		300							1,300
	PPE FOR EMPLOYEES		2,000	200								2,200
	FULL FACE RESPIRATORS		1,000									1,000
	RESPIRATOR FILTERS		750									750
	SCBA TESTING REPAIR		1,500									1,500
	SAFETY EQUIPMENT FOR 12 KV ELECTRICAL SYSTEM PM AND EMERGENCY TESTING		2,000									2,000
	SPILL CONTAINMENT SUPPLIES		1,250	500								1,750
	SAFETY AND OPERATION SIGNS			200	500							700
	SAFETY SUPPLIES TOTAL	**-**	**12,300**	**900**	**3,300**	**-**	**-**	**-**	**-**	**-**	**-**	**16,500**
1050.57040	MAINT STRUCTURE/IMPROV. - GREEN ACRES INFLUENT PUMP STATION											
	INSTRUMENTATION PM						1,000					1,000
	VFD PM						1,000					1,000
	MOTOR PM						500					500
	PUMP PM						500					500
	VALVE ACTUATOR PM						500					500
	VALVE PM						500					500
	MAINT STRUCTURE/IMPROVEMENT - GREEN ACRES INFLUENT PUMP STATION TOTAL	**-**	**-**	**-**	**-**	**-**	**4,000**	**-**	**-**	**-**	**-**	**4,000**
1050.57042	MAINTENANCE - SANTA ANA RESERVOIR											
	CHEMICAL PUMP PM						500					500
	INSTRUMENTATION PM						1,500					1,500
	MOTOR PM						1,000					1,000
	PUMP PM						1,000					1,000
	VALVE MOTOR ACTUATOR PM						2,500					2,500
	VALVE PM						1,000					1,000
	MAINTENANCE - SANTA ANA RESERVOIR TOTAL	**-**	**-**	**-**	**-**	**-**	**7,500**	**-**	**-**	**-**	**-**	**7,500**
1050.54001	CHEMICALS - CHLORINE (NO TAX)											
	GWRS SODIUM HYPOCHLORITE (9,400 TONS)		990,000	2,000								992,000
	GAP INFLUENT AND CL CONTACT SODIUM HYPOCHLORITE						150,000					150,000
	CHEMICALS - CHLORINE (NO TAX) TOTAL	**-**	**990,000**	**2,000**	**-**	**-**	**150,000**	**-**	**-**	**-**	**-**	**1,142,000**
1050.54060	CHEMICALS - ANHYDROUS AMMONIA (TAX)											
	GAP CL CONTACT AMMONIA						30,000					30,000
	CHEMICALS - ANHYDROUS AMMOINIA (TAX) TOTAL	**-**	**-**	**-**	**-**	**-**	**30,000**	**-**	**-**	**-**	**-**	**30,000**
1050.54045	CHEMICALS - POST TREATMENT HYDRATED LIME (NO TAX)											
	HYDRATED LIME (2,500 TONS)		400,000									400,000
	CHEMICALS - POST TREATMENT HYDRATED LIME (NO TAX) TOTAL	**-**	**400,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**400,000**
1050.54050	CHEMICALS - HYDROGEN PEROXIDE UV (NO TAX)											
	HYDROGEN PEROXIDE UV (850 TONS)		425,000									425,000
	CHEMICALS - HYDROGEN PEROXIDE UV (NO TAX) TOTAL	**-**	**425,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**425,000**
1050.54055	CHEMICALS - SODIUM BISULFITE (TAX)											
	SODIUM BISULFITE RO FLUSH AND SAR DISCHARGE (13 TONS)		4,500									4,500
	CHEMICALS - SODIUM BISULFITE (TAX) TOTAL	**-**	**4,500**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4,500**
1050.54015	CHEMICALS - POLYMER (TAX)											
	ANIONIC POLYMER LIME SATURATOR		20,000									20,000
	CHEMICALS - POLYMER (TAX) TOTAL	**-**	**20,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**20,000**

GENERAL FUND OPERATING BUDGET FY 15-16
WATER PRODUCTION (1050)

JDE Account Number	Description	General	GWR System O&M	Process Optimization	Talbert Barrier O&M	FV Facility O&M	GAP O&M	Lab Maintenance	Alamitos Barrier O&M	Forebay O&M	MWDOC	Total
	ACTIVITY CODE	9900	9922	9952	9908	9901	9911	9974	9932	9920	9970	
1050.54020	CHEMICALS - GWRS REVERSE OSMOSIS SULFURIC ACID (NO TAX)											
	SULFURIC ACID OPERATING WITH SEASONAL ADJUSTMENTS BETWEEN PH (2,100 TONS) 6.9 TO 7.0 PH		320,000	1,500								321,500
	CHEMICALS - GWRS REVERSE OSMOSIS SULFURIC ACID (NO TAX) TOTAL	**-**	**320,000**	**1,500**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**321,500**
1050.54025	CHEMICALS - GWRS REVERSE OSMOSIS ANTISCALANT (NO TAX)											
	RO ANTISCALANT (555 TONS)		1,720,000									1,720,000
	CHEMICALS - GWRS REVERSE OSMOSIS ANTISCALANT (NO TAX) TOTAL	**-**	**1,720,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1,720,000**
1050.54030	CHEMICALS - GWRS MF CLEANING CHEMICALS (TAX)											
	MF MEMBRANE CLEANING CHEMICALS CAUSTIC (565 TONS)		300,000									300,000
	MF MEMBRANE CLEANING CHEMICALS CITRIC (515 TONS)		413,000									413,000
	MF PROPRIETARY CLEANING CHEMICAL STUDY			1,000								1,000
	MF MEMCLEAN (30 TONS)		36,000									36,000
	CHEMICALS - GWRS MF CLEANING CHEMICALS (TAX) TOTAL	**-**	**749,000**	**1,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**750,000**
1050.54033	CHEMICALS - GWRS RO CLEANING CHEMICALS (TAX)											
	RO MEMBRANE GENERIC CLEANING CHEMICALS CLEANINGS (51 TONS)		170,000	1,500								171,500
	RO MEMBRANE CITRIC (20 TONS)		20,000									20,000
	RO MEMBRANE DDBS CLEANINGS (12.5 TONS)		70,000									70,000
	RO CLEANING CHEMICAL STUDY			500								500
	RO MEMBRANE PROPRIETARY CLEANING CHEMICALS 3 STAGE CLEANINGS		20,000	500								20,500
	CHEMICALS - GWRS RO CLEANING CHEMICALS (TAX) TOTAL	**-**	**280,000**	**2,500**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**282,500**
1050.54040	CHEMICAL GAP ALUM											
	PRETREATMENT COAGULANT (25 TONS)						12,000					12,000
	CHEMICALS GAP ALUM TOTAL	**-**	**-**	**-**	**-**	**-**	**12,000**	**-**	**-**	**-**	**-**	**12,000**
1050.51555	LAB SUPPLIES											
	CALIBRATION STANDARDS FOR BARRIER FIELD EQUIPMENT		20,000		600							20,600
	CHEMICALS AND SUPPLIES		2,500									2,500
	LABORATORY DI WATER SYSTEM		1,400									1,400
	PEROXIDE AND CHLORINE TEST STRIPS		2,500									2,500
	2 NEW HANDHELD EC PH METERS		2,500									2,500
	LAB SUPPLIES TOTAL	**-**	**28,900**	**-**	**600**	**-**	**-**	**-**	**-**	**-**	**-**	**29,500**
1050.51560	LAB SAMPLES ANALYSIS											
	GENERAL LAB ANALYSIS BY OUTSIDE LAB		4,000	3,000	2,200							9,200
	LAB SAMPLES ANALYSIS TOTAL	**-**	**4,000**	**3,000**	**2,200**	**-**	**-**	**-**	**-**	**-**	**-**	**9,200**
1050.51565	RENT EQUIPMENT- GENERAL											
	RENTAL OF EQUIPMENT FOR PM PROJECTS		3,000									3,000
	RENT EQUIPMENT - GENERAL TOTAL	**-**	**3,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**3,000**
1050.54501	UTILITIES - ELECTRICITY (OFFSITE & MISC ELECTRICAL METERS)											
	GAP CATHODIC PROTECTION						12,000					12,000
	GAP DEEP WELL WATER ELECTRICITY						35,000					35,000
	GAP INFLUENT PUMPING ELECTRICITY						30,000					30,000
	GAP SANTA ANA RESERVOIR PUMP STATION POWER (CNE/SCE)						146,000					146,000
	INJECTION WELLS				-		34,000					34,000
	UTILITIES - ELECTRICITY (OFFSITE & MISC ELECTRICAL METERS) TOTAL	**-**	**-**	**-**	**-**	**-**	**257,000**	**-**	**-**	**-**	**-**	**257,000**

GENERAL FUND OPERATING BUDGET FY 15-16
WATER PRODUCTION (1050)

JDE Account Number	Description	General	GWR System O&M	Process Optimization	Talbert Barrier O&M	FV Facility O&M	GAP O&M	Lab Maintenance	Alamitos Barrier O&M	Forebay O&M	MWDOC	Total
	ACTIVITY CODE	9900	9922	9952	9908	9901	9911	9974	9932	9920	9970	
1050.54505	UTILITIES - ELECTRICITY (66KV FV SITE SCE) 70,000 AF											
	ADMIN BLDG ELECTRICITY					49,000						49,000
	MWDOC BLDG ELECTRICITY					35,000						35,000
	GAP ELECTRICITY					325,000						325,000
	WAREHOUSE, ANNEX & MAINTENANCE SHOPS		120,000									120,000
	LABORATORY							205,000				205,000
	SCREENINGS		12,400									12,400
	MICROFILTRATION		2,825,585									2,825,585
	REVERSE OSMOSIS		5,320,337									5,320,337
	UV SYSTEM ELECTRICITY		868,841									868,841
	DECARB		96,000									96,000
	CHEMICAL FEED/LIME SYSTEM		17,000									17,000
	PRODUCT WATER PUMP STATION		1,425,000									1,425,000
	BARRIER PUMP STATION		800,000									800,000
	UTILITIES - ELECTRICITY (66KV FV SITE SCE) 70,000 AF TOTAL	**-**	**11,485,163**	**-**	**-**	**409,000**	**-**	**205,000**	**-**	**-**	**-**	**12,099,163**
1050.54505.250	UTILITIES ELECTRICAL CURTAILMENT POWER CREDITS											
	ESTIMATED PAYMENTS NAPP $1,000,000		(1,000,000)									(1,000,000)
	UTILITIES ELECTRICAL CURTAILMENT POWER CREDITS TOTAL	**-**	**(1,000,000)**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**(1,000,000)**
1050.54510	UTILITIES - GAS											
	NATURAL GAS FOR HVAC OFFICES & ANNEX BUILDING					6,000						6,000
	NATURAL GAS FOR LABORATORY							39,000				39,000
	UTILITIES - GAS TOTAL	**-**	**-**	**-**	**-**	**6,000**	**-**	**39,000**	**-**	**-**	**-**	**45,000**
1050.54515	UTILITIES - WATER											
	POTABLE WATER AND INDUSTRIAL WATER		48,000									48,000
	UTILITIES - WATER TOTAL	**-**	**48,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**48,000**
1050.51102	MEMBERSHIPS/CERTIFICATION FEES											
	MEHUL - WEF, AWWA, ASCE MEMBERSHIP FEES		800	200								1,000
	OPERATOR & MAINTENANCE CERTIFICATION FEES		7,000									7,000
	MEMBERSHIPS/ CERTIFICATION FEES TOTAL	**-**	**7,800**	**200**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**8,000**
1050.51192	TECHNICAL TRAINING											
	DELTA V PROCESS CONTROL TRAINING		3,500									3,500
	I&E MEDIUM VOLTAGE SAFETY TRAINING CLASSES		3,500									3,500
	MICROSOFT OFFICE TRAINING		1,500									1,500
	MANAGEMENT TRAINING		1,200									1,200
	MAINTENANCE TRAINING		1,500									1,500
	WPG TRAINING LIBRARY			400								400
	OPERATOR CERTIFICATION CLASSES		3,000									3,000
	ON SITE O&M TECHNICAL TRAINING		1,500									1,500
	CRANE TRAINING		3,500									3,500
	ULTRASONIC MONITOR TRAINING & CERTIFICATION		1,500									1,500
	WATER DISTRIBUTION TRAINING BARRIER STAFF				500							500
	TECHNICAL TRAINING TOTAL	**-**	**20,700**	**400**	**500**	**-**	**-**	**-**	**-**	**-**	**-**	**21,600**
1050.51112	SPECIAL DEPARTMENT EXPENSE											
	CONSULTING SERVICE PERMITS		2,000									2,000
	SCAQMD AND CITY PERMIT FEES		14,000									14,000
	UNITED PARCEL SERVICE		1,000									1,000
	ORANGE COUNTY PUBLIC FACILITIES PERMIT				421							421
	SPECIAL DEPARTMENT EXPENSE TOTAL	**-**	**17,000**	**-**	**421**	**-**	**-**	**-**	**-**	**-**	**-**	**17,421**
1050.56026	LADPW CURRENT EXPENSE											
	LADPW BARRIER								850,000			850,000
	LADPW CURRENT EXPENSE TOTAL	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**850,000**	**-**	**-**	**850,000**
	WATER PRODUCTION GRAND TOTAL	**1,021,902**	**21,648,002**	**598,467**	**1,152,124**	**1,332,543**	**1,521,901**	**487,950**	**850,000**	**55,105**	**111,266**	**28,779,260**

GENERAL FUND OPERATING BUDGET FY 15-16
RECHARGE OPERATIONS (1060)

JDE ACCOUNT NUMBER	DESCRIPTION	General	Forebay O&M	Prado O&M	Total
	ACTIVITY CODE	9900	9920	9924	
	SALARIES AND BENEFITS				
1060.50104	REGULAR SALARIES	485,367	1,117,473	67,547	1,670,387
1060.50106	OVERTIME	4,959	31,827	2,722	39,508
	CAPITALIZED SALARIES	(38,987)			(38,987)
1060.50210	PAYROLL TAX	7,110	16,665	1,019	24,794
1060.50202	RETIREMENT	81,639	191,358	11,700	284,697
1060.50204	HEALTH INSURANCE	75,578	201,898	12,295	289,771
1060.50206	WORKERS' COMPENSATION	13,750	34,442	2,116	50,308
	CAPITALIZED BENEFITS	(12,932)			(12,932)
	SALARIES AND BENEFITS TOTAL	**616,484**	**1,593,663**	**97,399**	**2,307,546**
1060.53001	PROFESSIONAL SERVICES				
	ELECTRIAL TESTING - BREAKER PANEL		40,000		40,000
	MAXIMO SERIAL NUMBERS AT BURRIS PIT PUMP STATION		20,000		20,000
	PROFESSIONAL SERVICES TOTAL	**-**	**60,000**	**-**	**60,000**
1060.51501	OFFICE EXPENSE - GENERAL				
	FEDERAL EXPRESS, SHIPPING	100			100
	RECHARGE REPORT	500			500
	MISCELLANEOUS OFFICE SUPPLIES	5,500			5,500
	OFFICE FURNITURE	3,000			3,000
	OFFICE EXPENSE - GENERAL TOTAL	**9,100**	**-**	**-**	**9,100**
1060.51520	GASOLINE				
	GAS		20,000		20,000
	GASOLINE TOTAL	**-**	**20,000**	**-**	**20,000**

GENERAL FUND OPERATING BUDGET FY 15-16
RECHARGE OPERATIONS (1060)

JDE ACCOUNT NUMBER	DESCRIPTION	General	Forebay O&M	Prado O&M	Total
	ACTIVITY CODE	9900	9920	9924	
1060.51521	FUEL - OFF ROAD				
	DIESEL FUEL (OFF-ROAD)		120,000		120,000
	FUEL - OFF ROAD TOTAL	**-**	**120,000**	**-**	**120,000**
1060.51530	UNIFORMS				
	UNIFORM SERVICES, SHIRTS/JACKETS		15,000		15,000
	UNIFORMS TOTAL	**-**	**15,000**	**-**	**15,000**
1060.51531	SHIRTS - LOGO				
	SHIRTS - LOGO		500		500
	SHIRTS - LOGO TOTAL	**-**	**500**	**-**	**500**
1060.57004	MAINTENANCE EQUIPMENT - GENERAL				
	GENERAL MAINT OF SMALLER EQUIP, SUCH AS SMALL GAS AND DIESEL ENGINES, CRANES, BOATS, AIR COMPRESSORS		6,000		6,000
	MAINTENANCE EQUIPMENT - GENERAL TOTAL	**-**	**6,000**	**-**	**6,000**
1060.57006	MAINTENANCE EQUIPMENT COMMUNICATION				
	CAMERA/RADIO MAINTENANCE		2,000		2,000
	SCADA MAINTENANCE AND TECHNOLOGY		25,000		25,000
	MONITOR REPLACEMENTS		3,000		3,000
	MAINTENANCE EQUIPMENT COMMUNICATION TOTAL	**-**	**30,000**	**-**	**30,000**
1060.57010	MAINTENANCE EQUIPMENT VEHICLES				
	SMALL TRUCKS SCHEDULED AND UNSCHEDULED REPAIRS, TIRES, BELTS, ETC.		30,000		30,000
	MAINTENANCE EQUIPMENT VEHICLES TOTAL	**-**	**30,000**	**-**	**30,000**

GENERAL FUND OPERATING BUDGET FY 15-16
RECHARGE OPERATIONS (1060)

JDE ACCOUNT NUMBER	DESCRIPTION	General	Forebay O&M	Prado O&M	Total
	ACTIVITY CODE	9900	9920	9924	
1060.57012	MAINTENANCE EQUIPMENT - HEAVY EQUIPMENT				
	GENERAL HEAVY EQUIPMENT PARTS		105,000		105,000
	MAINTENANCE EQUIPMENT - HEAVY EQUIPMENT TOTAL	**-**	**105,000**	**-**	**105,000**
1060.57016	MAINTENANCE STRUCTURE AND IMPROVEMENTS - GENERAL				
	GENERAL MAINTENANCE PARTS & REPAIRS		70,000		70,000
	FISH DISPOSAL (2 CLEANINGS)		25,000		25,000
	FLOWMETER AND INSTRUMENTATION MAINTENANCE		25,000		25,000
	MOTOR ACUATOR/LIMITORQUE SERVICE		25,000		25,000
	JANITORIAL		25,000		25,000
	FENCE REPAIR		30,000		30,000
	LANDSCAPE MAINTENANCE/TREE TRIMMING		90,000		90,000
	LANDSCAPE MAINTENANCE/WEED ABATEMENT		40,000		40,000
	UST SERVICE		2,200		2,200
	GASES (WESTAIR)		3,000		3,000
	PAINTING STRUCTURES		20,000		20,000
	PLANT SERVICE		1,600		1,600
	INSECT/RODENT CONTROL		8,000		8,000
	PORTABLE RESTROOM RENTALS		3,600		3,600
	TRASH RACK MAINTENANCE		5,000		5,000
	MAINTENANCE STRUCTURE AND IMPROVEMENTS - GENERAL TOTAL	**-**	**373,400**	**-**	**373,400**
1060.51545	SMALL TOOLS				
	GAS POWERED PORTABLE AUGER		1,000		1,000
	MAINTENANCE AND HYDROGRAPHY OPERATIONS		2,000		2,000
	MAINTENANCE OPERATIONS		4,000		4,000
	FLOWMETER (2)		5,000		5,000
	SMALL TOOLS FOR H.E. MECHANIC & MAINTENANCE		4,000		4,000
	SMALL TOOLS TOTAL	**-**	**16,000**	**-**	**16,000**

GENERAL FUND OPERATING BUDGET FY 15-16
RECHARGE OPERATIONS (1060)

JDE ACCOUNT NUMBER	DESCRIPTION	General	Forebay O&M	Prado O&M	Total
	ACTIVITY CODE	9900	9920	9924	
1060.51550	SAFETY SUPPLIES				
	SAFETY EQUIPMENT, I.E., SAFETY GOGGLES, GLOVES, RESPIRATORS, EAR PROTECTORS, AIR MONITORING, TRAFFIC, AND CONFINED SPACE EQUIPMENT		7,500		7,500
	SAFETY SUPPLIES TOTAL	**-**	**7,500**	**-**	**7,500**
1060.54010	HERBICIDE/CHEMICALS				
	HERBICIDE (WEED KILLER)		1,000		1,000
	HERBICIDE/CHEMICALS TOTAL	**-**	**1,000**	**-**	**1,000**
1060.51565	RENT EQUIPMENT - GENERAL				
	TRENCHERS, TAMPERS, DEWATERING EQUIPMENT, ETC.		2,000		2,000
	RENT EQUIPMENT - GENERAL TOTAL	**-**	**2,000**	**-**	**2,000**
1060.51570	RENT EQUIPMENT - HEAVY EQUIPMENT				
	CRANE, MAN LIFT, SCRAPERS, ETC.		10,000		10,000
	RENT EQUIPMENT - HEAVY EQUIPMENT TOTAL	**-**	**10,000**	**-**	**10,000**
1060.54501	UTILITIES - ELECTRICITY				
	ANAHEIM LAKE DEWATER/TRANSFER ($40K - $155K) LAST FY $50K		100,000		100,000
	BURRIS BASIN PUMP STATION ($300K - $665K) LAST FY $435K		400,000		400,000
	KRAEMER/MILLER PUMPS ($28 - $40K) LAST FY $38K		45,000		45,000
	SANTIAGO BASIN PUMP STATION ($30K - $90K) LAST FY $47K		45,000		45,000
	WARNER PUMPS ($11K - $50K) LAST FY $18K		20,000		20,000
	ALL OTHER (RUBBER DAMS, FHQ, VALVES, METERS, ETC.)		50,000		50,000
	UTILITIES - ELECTRICITY TOTAL	**-**	**660,000**	**-**	**660,000**

GENERAL FUND OPERATING BUDGET FY 15-16
RECHARGE OPERATIONS (1060)

JDE ACCOUNT NUMBER	DESCRIPTION	General	Forebay O&M	Prado O&M	Total
	ACTIVITY CODE	9900	9920	9924	
1060.54515	UTILITIES - WATER				
	GENERAL (FHQ, SANTIAGO BASIN, BURRIS PS, ETC.)		30,000		30,000
	KRAEMER BASIN IRRIGATION		5,000		5,000
	UTILITIES - WATER TOTAL	**-**	**35,000**	**-**	**35,000**
1060.51102	MEMBERSHIPS				
	STATE OF CALIF. PESTICIDE LICENSE (JULIO, OCTAVIO)		240		240
	INTERNATIONAL SOCIETY OF ARBORICULTURE (OCTAVIO)		565		565
	OTHER MEMEBERSHIPS (SCOTT NYGREN, CHRIS FRIBERG)		340		340
	MEMBERSHIPS TOTAL	**-**	**1,145**	**-**	**1,145**
1060.51192	EDUCATIONAL TRAINING				
	OPERATIONS & MAINTENANCE TRAINING (PAPA WORKSHOPS)		4,000		4,000
	PESTICIDE APPLICATORS PROF. ASSOCIATION WORKSHOPS		480		480
	TRAINING/CROSS TRAINING FOR FACILITY AND EQUIPMENT		2,000		2,000
	EDUCATIONAL TRAINING TOTAL	**-**	**6,480**	**-**	**6,480**
1060.51112	SPECIAL DEPARTMENT EXPENSE				
	TRANSPORTATION FEES		500		500
	SO. COAST AQMD FEES		1,500		1,500
	OTHER PERMITS AND FEES		3,000		3,000
	SPECIAL DEPARTMENT EXPENSE TOTAL	**-**	**5,000**	**-**	**5,000**
	RECHARGE OPERATIONS GRAND TOTAL	**625,584**	**3,097,688**	**97,399**	**3,820,671**

GENERAL FUND OPERATING BUDGET FY 15-16
WETLAND OPERATIONS (1062)

JDE Account Number	Description	General	Prado O&M	FHQ O&M	ERC POWUP	Habitat Restoration	Total
	ACTIVITY CODE	9900	9924	9920	9983	8008	
	SALARIES & BENEFITS						
1062.50104	REGULAR SALARIES	19,975	161,178	50,902	17,897	20,524	270,476
1062.50106	OVERTIME	1,924	15,280		890	1,781	19,875
1062.50210	PAYROLL TAXES	318	2,559	738	272	323	4,210
1062.50202	RETIREMENT	3,646	29,380	8,475	3,128	3,714	48,343
1062.50204	HEALTH INSURANCE	2,519	34,135	4,956	2,934	4,381	48,925
1062.50206	WORKERS' COMPENSATION	454	5,032	1,553	564	662	8,265
	SALARIES & BENEFITS TOTAL	**28,836**	**247,564**	**66,624**	**25,685**	**31,385**	**400,094**
1062.51301	TRAVEL/CONFERENCE/MILEAGE						
	AMERICAN ECOLOGICAL ENGINEERING SOCIETY CONFERENCE		2,000				2,000
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**-**	**2,000**	**-**	**-**	**-**	**2,000**
1062.53020	SECURITY						
	SECURITY SERVICES		2,500				2,500
	SECURITY TOTAL	**-**	**2,500**	**-**	**-**	**-**	**2,500**
1062.51501	OFFICE EXPENSE - GENERAL						
	OFFICE SUPPLIES (FED-EX)		500		1,500		2,000
	PRINTER AND COMPUTER EQUIPMENT		1,000				1,000
	OFFICE EXPENSE - GENERAL TOTAL	**-**	**1,500**	**-**	**1,500**	**-**	**3,000**
1062.51520	GAS & DIESEL FUEL						
	GASOLINE AND DIESEL FUEL FOR VARIOUS TYPES OF VEHICLES (AVERAGE 5 GAS, 3 DIESEL)		7,000				7,000
	GAS & DIESEL FUEL TOTAL	**-**	**7,000**	**-**	**-**	**-**	**7,000**
1062.51521	FUEL - OFF ROAD						
	FUEL - OFF ROAD		40,000				40,000
	FUEL - OFF ROAD TOTAL	**-**	**40,000**	**-**	**-**	**-**	**40,000**
1062.51530	UNIFORMS & SAFETY						
	UNIFORMS AND BOTTLED WATER FOR FIELD WORKERS (CLEANING SERVICE FOR SHIRTS, PANTS, OVERALLS AND SHOP TOWELS)		3,500				3,500
	UNIFORMS & SAFETY TOTAL	**-**	**3,500**	**-**	**-**	**-**	**3,500**

GENERAL FUND OPERATING BUDGET FY 15-16
WETLAND OPERATIONS (1062)

JDE Account Number	Description	General	Prado O&M	FHQ O&M	ERC POWUP	Habitat Restoration	Total
	ACTIVITY CODE	9900	9924	9920	9983	8008	
1062.51531	SHIRTS - LOGO						
	SHIRTS - LOGO		200				200
	SHIRTS - LOGO TOTAL	**-**	**200**	**-**	**-**	**-**	**200**
1062.57004	MAINTENANCE EQUIPMENT - GENERAL						
	REPAIR OF SMALL TOOLS, WATER QUALITY EQUIPMENT, FLOW METERS, SENSORS, ETC./ CHAIN SAWS, WATER PUMPS, LANDSCAPE TOOLS		2,000				2,000
	MAINTENANCE EQUIPMENT - GENERAL TOTAL	**-**	**2,000**	**-**	**-**	**-**	**2,000**
1062.57010	MAINTENANCE EQUIPMENT - VEHICLES						
	TRUCK MAINTENANCE AND ROUTINE REPAIRS (OIL CHANGES, TUNE-UPS, A/C REPAIRS, BATTERIES)		4,000				4,000
	MAINTENANCE EQUIPMENT - VEHICLES TOTAL	**-**	**4,000**	**-**	**-**	**-**	**4,000**
1062.57012	MAINTENANCE EQUIPMENT - HEAVY EQUIPMENT						
	MOWER, TRACTOR, AND OTHER HEAVY EQUIPMENT MAINTENANCE AND ROUTINE REPAIRS (GREASE, OIL, AIR FILTERS, HYDRAULICS, BELT)		30,000				30,000
	MAINTENANCE EQUIPMENT - HEAVY EQUIPMENT TOTAL	**-**	**30,000**	**-**	**-**	**-**	**30,000**
1062.57016	MAINT STRUCTURE & IMPROVEMENT - GENERAL						
	A/C MAINTENANCE, SUPPLIES & REPAIRS		2,500		2,500		5,000
	ROCK FOR ROAD & LEVEE STABILIZATION		1,500				1,500
	GEO-CLOTH & GABIONS		1,000				1,000
	ELECTRICAL REPAIRS		500				500
	MISCELLANEOUS AND EMERGENCY REPAIRS		1,000				1,000
	MOSQUITO AND VECTOR CONTROL		40,000				40,000
	SECURITY MAINTENANCE, FENCES, GATES, CAMERAS, REMOTE SENSING AND REPAIRS		1,500				1,500
	TRAILER MAINTENANCE & REPAIRS		1,500				1,500
	FENCING MODIFICATIONS		250				250
	JANITORIAL SERVICE		8,000				8,000
	MAINT STRUCTURE & IMPROVEMENT - GENERAL TOTAL	**-**	**57,750**	**-**	**2,500**	**-**	**60,250**
1062.51545	SMALL TOOLS						
	MISCELLANEOUS HAND TOOLS (DRILLS, HAMMERS, WRENCHES, SOCKETS, AND SAWS)		250				250
	SMALL POWER EQUIPMENT AND PARTS		250				250
	SMALL TOOLS TOTAL	**-**	**500**	**-**	**-**	**-**	**500**

GENERAL FUND OPERATING BUDGET FY 15-16
WETLAND OPERATIONS (1062)

JDE Account Number	Description	General	Prado O&M	FHQ O&M	ERC POWUP	Habitat Restoration	Total
	ACTIVITY CODE	9900	9924	9920	9983	8008	
1062.51550	SAFETY SUPPLIES						
	WORK SAFETY RELATED SUPPLIES, FIRST AID KITS, GOGGLES, SPRAY SUITS, GLOVES, AND FIRE EXTINGUISHERS		500				500
	SAFETY SUPPLIES TOTAL	**-**	**500**	**-**	**-**	**-**	**500**
1062.54035	CHEMICALS						
	HERBICIDES FOR ARUNDO CONTROL		1,500				1,500
	LABORATORY REAGENTS AND CHEMICALS		1,000				1,000
	CHEMICALS TOTAL	**-**	**2,500**	**-**	**-**	**-**	**2,500**
1062.51565	EQUIPMENT RENTAL - GENERAL						
	RENT SMALL CONSTRUCTION EQUIPMENT		1,500				1,500
	EQUIPMENT RENTAL - GENERAL TOTAL	**-**	**1,500**	**-**	**-**	**-**	**1,500**
1062.51570	EQUIPMENT RENTAL - HEAVY EQUIPMENT						
	VEGETATION CONTROL		22,500				22,500
	RENT EXCAVATOR, AND OTHER EQUIPMENT (DOZERS, WATER TRUCKS AND MOWERS)		10,000				10,000
	EQUIPMENT RENTAL - HEAVY EQUIPMENT TOTAL	**-**	**32,500**	**-**	**-**	**-**	**32,500**
1062.54501	UTILITIES - ELECTRICITY						
	ELECTRICAL UTILITIES		10,000				10,000
	UTILITIES - ELECTRICITY TOTAL	**-**	**10,000**	**-**	**-**	**-**	**10,000**
1062.51192	TECHNICAL TRAINING						
	REFERENCE BOOKS		250				250
	TECHNICAL TRAINING TOTAL	**-**	**250**	**-**	**-**	**-**	**250**
1062.51204	MISCELLANEOUS EXPENSES						
	MISCELLANEOUS EXPENSES		500				500
	MISCELLANEOUS EXPENSES TOTAL	**-**	**500**	**-**	**-**	**-**	**500**
	WETLAND OPERATIONS GRAND TOTAL	**28,836**	**446,264**	**66,624**	**29,685**	**31,385**	**602,794**

GENERAL FUND OPERATING BUDGET FY 15-16
PROPERTY MANAGEMENT (1069)

JDE Account Number	Description	General	Total
	ACTIVITY CODE	9900	
	SALARIES & BENEFITS		
1069.50104	REGULAR SALARIES	95,548	95,548
1069.50210	PAYROLL TAXES	1,385	1,385
1069.50202	RETIREMENT	15,909	15,909
1069.50204	HEALTH INSURANCE	20,080	20,080
1069.50206	WORKERS' COMPENSATION	545	545
	SALARIES & BENEFITS TOTAL	**133,467**	**133,467**
1069.53001	PROFESSIONAL SERVICES		
	APPRAISAL SERVICES	500	500
	NEWSLETTER, JOURNAL SUBSCRIPTIONS (DATA QUICK SERVICE)	1,200	1,200
	TITLE POLICIES	2,000	2,000
	PROFESSIONAL SERVICES TOTAL	**3,700**	**3,700**
1069.51501	OFFICE EXPENSES - GENERAL		
	OFFICE SUPPLIES INCLUDING SMALL DESK SUPPLIES, REPROGRAPHICS, FILE CABINET	500	500
	OFFICES EXPENSES - GENERAL TOTAL	**500**	**500**
1069.51520	GAS & DIESEL FUEL		
	FUEL FOR DISTRICT VEHICLES	1,000	1,000
	GAS & DIESEL FUEL TOTAL	**1,000**	**1,000**
1069.56022	TAXES & ASSESSMENTS		
	ORANGE COUNTY SEWER & MWD FEES AND ASSESSMENTS	33,000	33,000
	RIVERSIDE PROPERTY TAX & ASSESSMENTS	16,800	16,800
	SAN BERNARDINO PROPERTY TAX & ASSESSMENTS	550	550
	TAXES & ASSESSMENTS TOTAL	**50,350**	**50,350**

GENERAL FUND OPERATING BUDGET FY 15-16
PROPERTY MANAGEMENT (1069)

JDE Account Number	Description	General	Total
	ACTIVITY CODE	9900	
1069.57016	MAINTENANCE STRUCTURE AND IMPROVEMENTS - GENERAL		
	PROPERTY FENCES, GATES, LOCKS, MISCELLANEOUS REPAIRS, DISPOSAL SERVICES	5,000	5,000
	MAINTENANCE STRUCTURE AND IMPROVEMENTS - GENERAL TOTAL	**5,000**	**5,000**
1069.51102	MEMBERSHIP		
	MEMBERSHIPS FOR IRWA	270	270
	MEMBERSHIP TOTAL	**270**	**270**
1069.51112	SPECIAL DEPARTMENT EXPENSE		
	PERMIT AND LICENSE FEES, UNITED PARCEL SERVICE	250	250
	SPECIAL DEPARTMENT EXPENSE TOTAL	**250**	**250**
1069.51206	LICENSES AND PERMITS		
	EDISON PIPELINE LICENSE ACCOUNT 2097 OLD SEAWATER LINE	1,165	1,165
	GAP EDISON PIPELINE LICENSE ACCOUNT 2110 (ADAMS, SAR, GARFIELD, HB)	18,144	18,144
	GAP EDISON PIPELINE LICENSE ACCOUNT 3272 (GARFIELD, WARD)	10,942	10,942
	LICENSE WITH MWD FOR SANTIAGO CREEK RECHARGE ENHANCEMENT PROJECT	1,320	1,320
	LEASE AGREEMENT WITH OC FLOOD CONTROL DISTRICT MID-BASIN INJECTION	18,400	18,400
	PLACENTIA BASIN TREATMENT PLANT LEASE	10,728	10,728
	GAP EDISON PIPELINE LICENSE ACCOUNT 3085 (GARFIELD/ELLIS) WELLS I-27 & I-28	13,129	13,129
	LICENSES AND PERMITS TOTAL	**73,828**	**73,828**
	PROPERTY MANAGEMENT GRAND TOTAL	**268,365**	**268,365**

GENERAL FUND OPERATING BUDGET FY 15-16
ENGINEERING (1070)

JDE Account Number	Description	General	Talbert Barrier O&M	GWRS OM	GAP O&M	Fountain Valley	Forebay Recharge O&M	Total
	ACTIVITY CODE	9900	9908	9,922	9911	9901	9920	
	SALARIES & BENEFITS							
1070.50104	REGULAR SALARIES	654,104	14,468	47,267	17,259	19,988	81,325	834,411
1070.50106	OVERTIME SALARIES	4,000						4,000
	CAPITALIZED SALARIES	(273,379)						(273,379)
1070.50210	PAYROLL TAXES	10,752	210	685	250	290	1,179	13,366
1070.50202	RETIREMENT	106,328	2,409	7,870	2,874	3,328	13,541	136,350
1070.50204	HEALTH INSURANCE	96,255	2,024	6,993	2,365	2,982	12,163	122,782
1070.50206	WORKERS' COMPENSATION	5,545	101	550	121	359	1,117	7,793
	CAPITALIZED BENEFITS	(95,081)						(95,081)
	SALARIES & BENEFITS TOTAL	**508,524**	**19,212**	**63,365**	**22,869**	**26,947**	**109,325**	**750,242**
1070.51102	MEMBERSHIP							
	ORGANIZATIONAL MEMBERSHIPS	750						750
	MEMBERSHIP TOTAL	**750**	**-**	**-**	**-**	**-**	**-**	**750**
1070.51301	TRAVEL/CONFERENCE/MILEAGE							
	WATEREUSE (2)	3,000						3,000
	OCWA SEMINARS	500						500
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**3,500**	**-**	**-**	**-**	**-**	**-**	**3,500**
1070.51192	TECHNICAL TRAINING							
	LOCAL CLASSES AND TRAINING (4 CLASSES)	5,000						5,000
	TECHNICAL TRAINING TOTAL	**5,000**	**-**	**-**	**-**	**-**	**-**	**5,000**
1070.53010	PROFESSIONAL SERVICES - ENGINEERING							
	CONSULTING SERVICES	30,000						30,000
	SCADA SERVICE	20,000						20,000
	SURVEYING SERVICES	10,000						10,000
	PROFESSIONAL SERVICES - ENGINEERING TOTAL	**60,000**	**-**	**-**	**-**	**-**	**-**	**60,000**

GENERAL FUND OPERATING BUDGET FY 15-16
ENGINEERING (1070)

JDE Account Number	Description	General	Talbert Barrier O&M	GWRS OM	GAP O&M	Fountain Valley	Forebay Recharge O&M	Total
	ACTIVITY CODE	9900	9908	9,922	9911	9901	9920	
1070.51501	OFFICE EXPENSE - GENERAL							
	ANNUAL ENGINEER'S REPORT PREPARATION	5,000						5,000
	OUTSIDE COPYING SERVICES	2,500						2,500
	PRINTER CARTRIDGES	500						500
	CONSTRUCTION MANUALS	200						200
	DESIGN BOOKS	500						500
	FEDERAL EXPRESS	500						500
	MISCELLANEOUS OFFICE SUPPLIES	600						600
	SUPPLEMENTS TO MANUALS AND BOOKS	200						200
	OUTSIDE SERVICES	500						500
	DIGITAL PHOTOGRAPHY & SUPPLIES	800						800
	PUBLIC WORKS INSPECTION MANUALS	1,000						1,000
	OFFICE EXPENSE - GENERAL TOTAL	**12,300**	**-**	**-**	**-**	**-**	**-**	**12,300**
1070.51104	SUBSCRIPTIONS							
	CALVRS TRIMBLE GPS UNIT	1,800						1,800
	AWWA STANDARDS	500						500
	ENR MAGAZINE	100						100
	SUBSCRIPTIONS TOTAL	**2,400**	**-**	**-**	**-**	**-**	**-**	**2,400**
1070.51520	GAS & DIESEL							
	FUEL FOR VEHICLE	5,000						5,000
	GAS & DIESEL TOTAL	**5,000**	**-**	**-**	**-**	**-**	**-**	**5,000**
	ENGINEERING GRAND TOTAL	**597,474**	**19,212**	**63,365**	**22,869**	**26,947**	**109,325**	**839,192**

GENERAL FUND OPERATING BUDGET FY 15-16
HYDROGEOLOGY (1075)

JDE Account Number	Description	General	So. Basin Litigation	Talbert Barrier O&M	Alamitos Barrier O&M	North Basin NCP	South Basin NCP	MTBE Litigation	North Basin Litigation	South Basin GW Protection	Total
	ACTIVITY CODE	9900	9976	9908	9932	9985	9986	9975	9977	9941	
	SALARIES & BENEFITS										
1075.50104	REGULAR SALARIES	1,108,607	46,333	12,804	58,502	66,320	95,405	23,167	16,191	28,041	1,455,370
1075.50106	OVERTIME	27,824			2,756						30,580
	CAPITALIZED SALARIES	(115,399)									(115,399)
1075.50210	PAYROLL TAXES	20,347	672	186	888	962	1,383	336	235	407	25,416
1075.50202	RETIREMENT	178,826	7,715	2,132	10,199	11,042	15,885	3,857	2,696	4,669	237,021
1075.50204	HEALTH INSURANCE	141,677	3,521	1,017	7,675	6,441	6,948	1,760	1,559	1,941	172,539
1075.50206	WORKERS' COMPENSATION	8,856	301	73	371	378	635	150	92	196	11,052
	CAPITALIZED BENEFITS	(39,137)									(39,137)
	SALARIES & BENEFITS TOTAL	**1,331,601**	**58,542**	**16,212**	**80,391**	**85,143**	**120,256**	**29,270**	**20,773**	**35,254**	**1,777,442**
1075.51301	TRAVEL/CONFERENCE/MILEAGE										
	TRAVEL EXPENSES RELATED TO LITIGATION (CA)		200					100	200		500
	REGULATORY & AGENCY MEETINGS FOR WQ PROJECTS, SEAWATER BARRIERS; TECHNICAL CONFERENCE ATTENDANCE (MODELING, DATA/GIS) (CALIFORNIA)	2,000			500	1,000	1,000				4,500
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**2,000**	**200**	**-**	**500**	**1,000**	**1,000**	**100**	**200**	**-**	**5,000**
1075.53005	PROFESSIONAL SERVICES - LEGAL										
	SCOTT SOMMER					120,000	120,000			16,000	256,000
	TAKATA ENVIRONMENTAL (FOR SCOTT SOMMER)	3,000				15,000	15,000				33,000
	ARENT FOX					60,000	60,000				120,000
	PROFESSIONAL SERVICES - LEGAL TOTAL	**3,000**	**-**	**-**	**-**	**195,000**	**195,000**	**-**	**-**	**16,000**	**409,000**
1075.53010	PROFESSIONAL SERVICES - ENGINEER										
	HARGIS + ASSOCIATES (SOUTH BASIN NCP SERVICES)						450,000				450,000
	AQUILOGIC (SOUTH BASIN NCP SERVICES)						50,000				50,000
	KENNEDY/JENKS (NORTH BASIN NCP SERVICES)					600,000					600,000
	TRAFFIC CONTROL, WASTE HAULING FOR WELL SAMPLING									16,000	16,000
	FLOWMETER SURVEYS FOR TRANSFER WELL	3,000									3,000
	WRMS PROGRAMMING SERVICES FOR UPGRADE OF OUTDATED APPLICATIONS, INCLUDING TIME-SERIES DATA TOOL AND REPORT AUTOMATION SOFTWARE (WIN2008 & 64-BIT SERVERS)	30,000									30,000
	PROFESSIONAL SERVICES - ENGINEER TOTAL	**33,000**	**-**	**-**	**-**	**600,000**	**500,000**	**-**	**-**	**16,000**	**1,149,000**
1075.51501	OFFICE EXPENSE - GENERAL										
	FEDERAL EXPRESS/COURIER	1,500									1,500
	OFFICE SUPPLIES INCLUDING SMALL DESK SUPPLIES, SCANNING SERVICES	8,000									8,000
	PLOTTER PAPER & INK CARTRIDGES	5,000									5,000
	SUPPLIES FROM WAREHOUSE, PETTY CASH	500									500
	OFFICE EXPENSE - GENERAL TOTAL	**15,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**15,000**

GENERAL FUND OPERATING BUDGET FY 15-16
HYDROGEOLOGY (1075)

JDE Account Number	Description	General	So. Basin Litigation	Talbert Barrier O&M	Alamitos Barrier O&M	North Basin NCP	South Basin NCP	MTBE Litigation	North Basin Litigation	South Basin GW Protection	Total
	ACTIVITY CODE	9900	9976	9908	9932	9985	9986	9975	9977	9941	
1075.51520	GAS & DIESEL FUEL										
	FUEL FOR DISTRICT FIELD VEHICLES (WELL MONITORING & MAINTENANCE)	6,000									6,000
	GAS & DIESEL FUEL TOTAL	**6,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**6,000**
1075.51530	UNIFORMS & SAFETY										
	BOOTS, RAINGEAR, UNIFORMS FOR FIELD PERSONNEL	300									300
	UNIFORMS & SAFETY TOTAL	**300**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**300**
1075.51531	SHIRTS - LOGO										
	SHIRTS - LOGO	100									100
	SHIRTS - LOGO TOTAL	**100**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**
1075.57004	MAINTENANCE EQUIPMENT - GENERAL										
	FIELD EQUIPMENT REPAIR (VIDEO TRAILER, GENERATORS, PUMPS, WELDER)	3,000									3,000
	WATER LEVEL SENSOR REPAIR & CALIBRATION	3,000									3,000
	WESTBAY EQUIP. (REELS, SAMPLER, PROBES) SERVICE AGREEMENT	18,000									18,000
	MAINTENANCE EQUIPMENT - GENERAL TOTAL	**24,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**24,000**
1075.57016	MAINT STRUCTURES AND IMPROVEMENTS										
	BASIN-WIDE MONITORING WELL REPAIRS	10,000									10,000
	REPLACE OR REPAIR SEAWATER MONITORING WELL VAULTS			2,000							2,000
	MAINT STRUCTURES AND IMPROVEMENTS TOTAL	**10,000**	**-**	**2,000**	**-**	**-**	**-**	**-**	**-**	**-**	**12,000**
1075.51545	SMALL TOOLS										
	DATALOGGERS, VEHICLE EQUIPMENT, WATER LEVEL PROBES, CABLES, EC & PH METERS	7,000									7,000
	TOOLS FOR WELL AND EQUIPMENT MAINTENANCE	2,000									2,000
	SMALL TOOLS TOTAL	**9,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**9,000**
1075.51555	LAB SUPPLIES										
	EQUIPMENT	100									100
	LAB SUPPLIES TOTAL	**100**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**100**
1075.51102	MEMBERSHIP										
	DISTRICT MEMBERSHIPS FOR GRA, NGWA, URISA AND PROFESSIONAL CERTIFICATIONS	2,000									2,000
	MEMBERSHIP TOTAL	**2,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2,000**

GENERAL FUND OPERATING BUDGET FY 15-16
HYDROGEOLOGY (1075)

JDE Account Number	Description	General	So. Basin Litigation	Talbert Barrier O&M	Alamitos Barrier O&M	North Basin NCP	South Basin NCP	MTBE Litigation	North Basin Litigation	South Basin GW Protection	Total
	ACTIVITY CODE	9900	9976	9908	9932	9985	9986	9975	9977	9941	
1075.51192	TECHNICAL TRAINING										
	WEBINARS, GIS/WRMS PROGRAMMING TRAINING (ARC/GIS, ORACLE, NET), DRILLING INSPECTION TRAINING	3,000									3,000
	TECHNICAL TRAINING TOTAL	**3,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**3,000**
1075.51112	SPECIAL DEPARTMENT EXPENSE										
	WELL SITE LICENSE/PERMIT RENEWALS	6,000									6,000
	SANTA ANA RIVER WATERMASTER EXPENSES	30,000									30,000
	US GEOLOGICAL SURVEY: SAR STREAMGAGING (WATERMASTER/PRADO GAUGE AND SANTIAGO CREEK GAUGE)	35,000									35,000
	SPECIAL DEPARTMENT EXPENSE TOTAL	**71,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**71,000**
	HYDROGEOLOGY GRAND TOTAL	**1,510,101**	**58,742**	**18,212**	**80,891**	**881,143**	**816,256**	**29,370**	**20,973**	**67,254**	**3,482,942**

GENERAL FUND OPERATING BUDGET FY 15-16
NATURAL RESOURCES (1080)

JDE Account Number	Description	General	Wildlife Management	Habitat Restoration	Total
	ACTIVITY CODE	9900	8010	8008	
	SALARIES AND BENEFITS				
1080.50104	REGULAR SALARIES	191,965	148,815	91,704	432,484
1080.50210	PAYROLL TAXES	2,993	3,415	1,958	8,366
1080.50202	RETIREMENT	31,399	21,401	13,580	66,380
1080.50204	HEALTH INSURANCE	28,074	22,409	13,112	63,595
1080.50206	WORKERS' COMPENSATION	1,344	1,042	642	3,028
	SALARIES AND BENEFITS TOTAL	**255,775**	**197,082**	**120,996**	**573,853**
1080.51301	TRAVEL/CONFERENCE/MILEAGE TOTAL				
	WESTERN WILDLIFE SOCIETY (SANTA ROSA, CA)	1,500			1,500
	H2O CONFERENCE (SAN DIEGO)	1,000			1,000
	CAL-IPC (VENTURA, CA)	1,000			1,000
	TRAVEL/CONFERENCE/MILEAGE TOTAL	**3,500**	**-**	**-**	**3,500**
1080.53001	PROFESSIONAL SERVICES - GENERAL				
	VIREO MONITORING - JIM PIKE CONTRACT		60,000		60,000
	BIOLOGIST CONTRACTOR SAWA SPLIT		50,000		50,000
	REPORT BIRD USE OF T&L LEVEES/PRADO WETLANDS		40,000		40,000
	SAWA - MONITOR SUNNYSLOPE CREEK		35,000		35,000
	MONITOR LEAST TERNS AT RIVER MOUTH		20,000		20,000
	WILDLIFE CONTRACTS		40,000		40,000
	PROFESSIONAL SERVICES - GENERAL TOTAL	**-**	**245,000**	**-**	**245,000**
1080.53001.170	EXPENSE - CONTRA				
	SAWA REIMBURSEMENT - VIREO MONITORING		(60,000)		(60,000)
	SAWA REIMBURSEMENT - PAYROLL		(42,116)		(42,116)
	EXPENSE - CONTRA TOTAL	**-**	**(102,116)**	**-**	**(102,116)**
1080.51104	SUBSCRIPTIONS				
	SUBSCRIPTIONS/PUBLICATIONS	750			750
	SUBSCRIPTIONS TOTAL	**750**	**-**	**-**	**750**

GENERAL FUND OPERATING BUDGET FY 15-16
NATURAL RESOURCES (1080)

JDE Account Number	Description	General	Wildlife Management	Habitat Restoration	Total
	ACTIVITY CODE	9900	8010	8008	
1080.51501	OFFICE EXPENSE - GENERAL				
	MISCELLANEOUS OFFICE SUPPLIES	5,000			5,000
	OFFICE EXPENSE - GENERAL TOTAL	**5,000**	**-**	**-**	**5,000**
1080.51520	GAS & DIESEL FUEL				
	GAS, DIESEL FUEL	13,000			13,000
	GAS & DIESEL FUEL TOTAL	**13,000**	**-**	**-**	**13,000**
1080.51531	SHIRTS - LOGO				
	SHIRTS - LOGO	500			500
	SHIRTS - LOGO TOTAL	**500**	**-**	**-**	**500**
1080.51530	UNIFORMS & SAFETY				
	CLOTHING, UNIFORMS, AND BOOTS	900			900
	UNIFORMS & SAFETY TOTAL	**900**	**-**	**-**	**900**
1080.57004	MAINTENANCE EQUIPMENT - GENERAL				
	FIELD EQUIPMENT - TRAPS	2,500			2,500
	MAINTENANCE EQUIPMENT - GENERAL TOTAL	**2,500**	**-**	**-**	**2,500**
1080.57010	MAINTENANCE EQUIPMENT - VEHICLES				
	SMALL TRUCK SCHEDULED AND UNSCHEDULED REPAIRS, TIRES, BELTS, ETC.	4,000			4,000
	MAINTENANCE EQUIPMENT - VEHICLES TOTAL	**4,000**	**-**	**-**	**4,000**
1080.57012	MAINTENANCE EQUIPMENT - HEAVY EQUIPMENT				
	EQUIPMENT MAINTENANCE, SPRAYER, CHIPPER, SKIDSTER	4,000			4,000
	MAINTENANCE EQUIPMENT - HEAVY EQUIPMENT TOTAL	**4,000**	**-**	**-**	**4,000**
1080.57016	MAINT STRUCTURE AND IMPROVEMENTS - GENERAL				
	HABITAT RESTORATION/WETLAND IMPROVEMENTS	52,000			52,000
	SANTA ANA SUCKER HABITAT RESTORATION	35,000			35,000
	RGP RECHARGE AREA HABITAT MAINTENANCE	52,000			52,000
	BURRIS BASIN/OTHER CAPITAL PROJECT AREA HABITAT RESTORATION	50,000			50,000
	MAINT STRUCTURE AND IMPROVEMENTS - GENERAL TOTAL	**189,000**	**-**	**-**	**189,000**

GENERAL FUND OPERATING BUDGET FY 15-16
NATURAL RESOURCES (1080)

JDE Account Number	Description	General	Wildlife Management	Habitat Restoration	Total
	ACTIVITY CODE	9900	8010	8008	
1080.51545	SMALL TOOLS				
	WILDLIFE MANAGEMENT EQUIPMENT	7,500			7,500
	FIELD EQUIPMENT (GPS, NETS, BINOCULARS, BIRD BOXES, ETC.)	7,500			7,500
	SMALL TOOLS TOTAL	**15,000**	**-**	**-**	**15,000**
1080.51565	RENT EQUIPMENT - GEN				
	EQUIPMENT RENTAL	1,000			1,000
	RENT EQUIPMENT - GEN TOTAL	**1,000**	**-**	**-**	**1,000**
1080.51550	SAFETY SUPPLIES				
	SAFETY EQUIPMENT SUCH AS SAFETY GOGGLES, GLOVES	500			500
	SAFETY SUPPLIES TOTAL	**500**	**-**	**-**	**500**
1080.51112	SPECIAL DEPARTMENT EXPENSE				
	OTHER ENVIRONMENTALLY RELATED FEES	7,000			7,000
	SPECIAL DEPARTMENT EXPENSE TOTAL	**7,000**			**7,000**
1080.54035	CHEMICAL				
	HERBICIDE	5,000			5,000
	CHEMICAL TOTAL	**5,000**	**-**	**-**	**5,000**
1080.56012	INTER AGENCY				
	SANTA ANA SUCKER CONSERVATION (SAWPA)	15,000			15,000
	INTER AGENCY TOTAL	**15,000**	**-**	**-**	**15,000**
	NATURAL RESOURCES GRAND TOTAL	**522,425**	**339,966**	**120,996**	**983,387**

ACOE or Corps	United States Army Corps of Engineers
ACWA	Association of California Water Agencies
af	Acre-feet
AGWA	Association of Ground Water Agencies
AMX	Water billing system
AOP	Advanced Oxidation Process
AWPF	Advanced Water Purification Facilities
AWWARF	American Water Works Association Research Foundation
BCV	Basin Cleaning Vehicle
BEA	Basin Equity Assessment
BPP	Basin Production Percentage
CIP	Capital Improvement Program
CMMS	Computerized Maintenance Management System
CSDA	California Special Districts Association
DPH	California Department of Public Health
EDC	Endocrine disrupting compounds
EPA	Environmental Protection Agency
ERP	Emergency Response Plan
FHQ	Field Headquarters
FIS	Financial Information System
FRL	Field Research Laboratory
FTE	Full time equivalent
FY	Fiscal year
GL	General liability insurance
GAP	Green Acres Project
GWRS	Groundwater Replenishment System
GWRSIE	Groundwater Replenishment System Initial Expansion
I&E	Instrumentation and electrical
IEUA	Inland Empire Utilities Agency
IIS	Integrated information systems
IRWD	Irvine Ranch Water District
IS	Information Services
JDE	JD Edwards
JPIA	Joint Powers Insurance Authority
LC/MS/MS	Liquid chromotograph/double mass spectrometer
LIMS	Lab Information System
LTFP	Long-Term Facilities Plan
MGD	Million gallons per day
MSDS	Material Safety Data Sheet
MWD	Metropolitan Water District of Southern California
MWDOC	Municipal Water District of Orange County
NDMA	N-nitrosodimethylamine
NPDES	National Pollutant Discharge Elimination System
NWRI	National Water Research Institute
O&M	Operations and Maintenance
OCCOG	Orange County Council of Government
OCEA	Orange County Employee Association
OCHCA	Orange County Health Care Agency
OCSD	Orange County Sanitation District
OMMP	Operations, Maintenance and Monitoring Plan
PAC	Project advisory committee

PAYGO	Pay as you go
PBDE	Poly-Brominated Diephenyl Ethers
PCS	Process Control System
PDAs	Personal digital assistants
Producers	Orange County groundwater producers
QA/QC	Quality assurance/quality control
RA	Replenishment assessment
R&D	Research and Development
REWG	Recharge Enhancement Working Group
RFP	Requests for proposals
RMP	Risk Management Plan
RO	Reverse osmosis
R&R	Replacement & Refurbishment
RWQCB	Regional Water Quality Control Board
SAR	Santa Ana River
SARWQH	Santa Ana River Water Quality Health
SAWA	Santa Ana Watershed Association
SAWPA	Santa Ana Watershed Project Authority
SCADA	Supervisory Control and Data Acquisition
SRF	State Revolving Fund
TMDL	Total maximum daily load
TOC	Total organic carbon
UCMR2	Unregulated Contaminant Monitoring Rule Phases
UCI	University of California Irvine
UV	Ultraviolet light
VOC	Volatile organic compounds
WEROC	Water Emergency Response of Orange County
WQ	Water Quality
W/C	Workers' compensation
WRF	WateReuse Research Foundation
WRMS	Water Resource Management System
YLWD	Yorba Linda Water District

EAST ORANGE COUNTY WATER DISTRICT

MEMO

TO: BOARD OF DIRECTORS

FROM: GENERAL MANAGER

SUBJECT: **ANNUAL INVESTMENT POLICY REVIEW**

DATE: MAY 21, 2015

Background

The District's Investment Policy requires that the Policy be reviewed annually, and that after such review, the Policy (and any changes if desired) be submitted to the Board for approval. The current Investment Policy was adopted on February 27, 2014.

No changes are proposed to the current investment policy with the exception of the inclusion of a summary listing of the allowed investments. This policy was reviewed by the Ad-Hoc Investment Committee at their April 16th meeting, and is recommended for adoption by the Board.

Recommendation

The Board approve Resolution No. ____ approving the Investment policy and authorizing the Treasurer to invest funds.

RESOLUTION NO. ___

RESOLUTION OF THE BOARD OF DIRECTORS OF THE EAST ORANGE COUNTY WATER DISTRICT APPROVING INVESTMENT POLICY AND AUTHORIZINGTHE TREASURER TO INVEST FUNDS

WHEREAS, the Legislature of the State of California has declared that the deposit and investment of public funds by local officials and local agencies is an issue of statewide concern (Government Code Section 53600.6); and

WHEREAS, the legislative body of a local agency may invest monies not required for the immediate necessities of the local agency in accordance with the provisions of Government Code Sections 5921 and 53600 *et seq*.; and

WHEREAS, the treasurer/chief fiscal officer of the East Orange County Water District is permitted by Government Code Section 53646 to annually render to the Board of Directors a statement of investment policy, for consideration by the Board at a public meeting; and

WHEREAS, Government Code Section 53607 permits the Board of Directors to delegate to the treasurer the Board's authority to invest or reinvest funds of the District or sell or exchange securities so purchased, limits the delegation to a one-year period, allows renewal by the Board on an annual basis and establishes a requirement for monthly reporting of the transactions by the Treasurer to the Board, and Government Code Section 53608 permits the Board to delegate to the treasurer the Board's authority to deposit for safekeeping the bonds, notes, bills, debentures, obligations, certificates of indebtedness, warrants or other evidences of indebtedness in which money of the District is invested;

NOW, THEREFORE, the Board of Directors of the East Orange County Water District DOES HEREBY RESOLVE, DETERMINE AND ORDER as follows:

Section 1. The Investment Policy of the East Orange County Water District is hereby approved in the form presented to the Board of Directors by the Treasurer. This policy shall remain in effect until it is amended or superseded by a subsequently adopted policy.

Section 2. The authority of the Board of Directors to invest or reinvest funds of the District, sell or exchange securities so purchased, and deposit for safekeeping the bonds, notes, bills, debentures, obligations, certificates of indebtedness, warrants or other evidences of instruments in which money of the District is invested, subject to the requirements of the Investment Policy approved hereby, is hereby delegated to the Treasurer of the District. This delegation shall remain in effect until it is revoked or is superseded by a subsequent delegation.

ADOPTED, SIGNED AND APPROVED this 21st day of May, 2015.

_____
President
EAST ORANGE COUNTY WATER DISTRICT
and of the Board of Directors
thereof

_____
Secretary
EAST ORANGE COUNTY WATER DISTRICT
and of the Board of Directors
thereof

STATE OF CALIFORNIA)
) ss
COUNTY OF ORANGE)

I, JOAN C. ARNESON, Secretary of the Board of Directors of the EAST ORANGE COUNTY WATER DISTRICT, do hereby certify that the foregoing Resolution No. ___ was duly adopted by the Board of Directors of said District at an adjourned Regular Meeting of said District held on May 21, 2014 and that it was so adopted by the following vote:

AYES: BELL, DAVERT, DULEBOHN, VANDERWERFF

NOES: NONE

ABSENT: NONE

ABSTAIN: NONE

_____
Secretary
EAST ORANGE COUNTY WATER DISTRICT
and of the Board of Directors
thereof

00174314/ 052115

EAST ORANGE COUNTY WATER DISTRICT

INVESTMENT POLICY

It shall be the policy of the East Orange County Water District to invest funds in a manner which will provide the highest investment return with the maximum security, while meeting the daily cash flow demands of the district and conforming to all statues governing the investment of East Orange County Water District funds.

SCOPE OF POLICY

This Investment Policy ("Policy") applies to all financial assets of the District. These funds are accounted for in the annual district audited financial statements and include:

1. Operating Funds, Retail and Wholesale
2. Replacement and Capital Improvement (Construction) Funds, Retail and Wholesale
3. Emergency/Contingency Fund, Wholesale and Retail

Funds in the deferred compensation plan are not included, since they are held in trust and not invested under this authority.

PRUDENCE

Investments shall be made with judgment and care under circumstances then prevailing, which persons of prudence, discretion and intelligence exercise in the management of their own affairs; not for speculation, but for investment, considering the probable safety of their capital as well as the probable income to be derived. The standard of prudence to be used by investment officials shall be the "prudent investor" standard (California Government Code Section 53600.3) and shall be applied in the contest of managing an overall portfolio. Investment officers, acting in accordance with written procedures and the Policy, and when exercising due diligence, shall be relieved of personal responsibility for an individual security's credit risk or market price changes, provided that deviations from expectations are reported in a timely fashion and appropriate action is taken to control adverse developments.

OBJECTIVES

As specified in California Government Code Section 53600.3, when investing, reinvesting, purchasing, acquiring; exchanging, selling and managing public funds, the primary objectives, in priority order, of the investment activities shall be:

1. Safety: Safety of principal is the foremost objective of the Policy. Investments of the District shall be undertaken in a manner that seeks to ensure the preservation of capital in the overall portfolio. To attain this objective, diversification is required in order that potential losses on individual securities do not exceed the income generated from the remainder of the portfolio.
2. Liquidity: The investment portfolio will remain sufficiently liquid to enable the District to meet all operating requirements which might be reasonably anticipated.
3. Return on Investments. The investment portfolio shall be designed with the objective of attaining a market rate of return throughout budgetary and economic cycles, taking into account the investment risk constraints and the cash flow characteristics of the portfolio.

DELEGATION OF AUTHORITY

Authority to manage the Policy is derived from California Government Code Section 53600.3, *et. seq.* Management responsibility for the Policy is hereby delegated to the treasurer/fiscal officer within the parameters (investment types, maturities, type of issuers, percentages of portfolio or particular District fund or dollar amount limitations) set from time to time by the Board of Directors. No person may engage in as investment transaction except as provided under the terms of this Policy. The Board of Directors shall be responsible for all transactions undertaken and shall establish a system of controls to regulate the activities of subordinate officials. Under the provisions of California Government Code Section 53600.3, the Board of Directors and the treasurer/fiscal officer are trustees and fiduciaries subject to the prudent investor standard.

ETHICS AND CONFILICTS OF INTEREST

The Board of Directors, Finance Committee members, and all officers and employees involved in the investment process shall fully comply with the District's Conflict of Interest Code in the execution of this policy.

AUTHORIZED FINANCIAL INISTITUTIONS AND DEALER

The treasurer/fiscal officer will maintain a list of financial institutions, selected on the basis of credit worthiness, financial strength, experience and minimal capitalization authorized to provide investment services. In addition, a list will also be maintained of approved security broker/dealers selected by credit worthiness who are authorized to provide investment and financial advisory services in the State of California. No public deposit shall be made except in a qualified public depository as established by state laws.

For brokers/dealers of government securities and other investments, the Board of Directors, Finance Committee, or treasurer/fiscal officer shall select only broker/dealers who are licensed and in good standing with the California Department of Securities, the Securities and Exchange Commission, the National Association of Securities Dealers or other applicable self-regulatory organizations.

Before engaging in investment transactions with a broker/dealer, the Board of Directors or Treasurer/Fiscal Officer shall have received from said firm a signed Certification Form, This form shall attest that the individual responsible for the District's account with that firm has reviewed the District's Policy and that the firm understands the policy and intends to present investment recommendations and transactions to the District that are appropriate under the terms and conditions of the Policy.

AUTHORIZED AND SUITABLE INVESTMENTS

Permitted investments: District funds may be invested as authorized by, and subject to the limitations and special conditions of California Government Code Section 53601 *et. seq.* A summary list is attached to this Policy.

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Prohibited Investments: Under the provisions of California Government Code Section 53601.6 the District shall not invest any funds covered by this Policy in inverse floaters, range notes, interest-only strips derived from mortgage pools or any investment that may result in a zero interest accrual if held to maturity.

COLLATERALIZATION

All non-negotiable certificates of deposit, issued in excess (principal and interest) of the FDIC insurance limit, must be collateralized by U.S. Treasury obligations. Collateral must be held by a third party trustee and valued on a monthly basis. The percentage of collateralization on repurchase and reverse repurchase agreements will adhere to the amount required under California Government Code Section 53601(j)(2).

SAFEKEEPING AND CUSTODY

All security transactions entered into by the District shall be conducted on a delivery-versus-payment (DVP) basis. All securities purchased or acquired shall be delivered to the District by book entry, physical delivery or by third party custodial agreement as required by California Government Code Section 53601.

DIVERSIFICATION

The District will diversify its investments by security type and institution. It is the policy of the District to diversify its investment portfolio. Assets shall be diversified to eliminate the risk of loss resulting from over concentration of assets in a specific maturity, a specific issuer or a specific class of securities. Diversification strategies shall be determined and revised periodically. In establishing specific diversification strategies, the following general policies and constraints shall apply:

1. Portfolio maturities shall be matched versus liabilities to avoid undue concentration in a specific maturity sector.

2. Maturities selected shall provide for stability of income and liquidity.

Disbursement and payroll dates shall be covered through maturities investments, marketable U.S. Treasury Bills or other cash equivalent instruments such as money market mutual funds.

REPORTING

In accordance with California Government Code Section 53646(b)(1), the treasurer/fiscal officer may submit to each member of the Board a monthly investment report. The report shall include a complete description of the portfolio, the type of investments, the issuers, maturity dates, par values and current market values of each component of the portfolio, including funds managed for the District by third party contracted managers, if applicable. The report will also include the source of the portfolio valuation. The report must also include a certification that (1) all investment actions executed since the last report have been made in full compliance with the 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. The treasurer/fiscal officer shall maintain a complete and timely record of all investment transactions.

INVESTMENT POLICY ADOPTION

The Policy shall be adopted by resolution of the Board of Directors. The Policy shall be reviewed on an annual basis, and modifications must be approved by the Board of Directors.

EAST ORANGE COUNTY WATER DISTRICT

Notes to Financial Statements

Cash and Investments:

Investment authorized by the California Government code and the District's Statement of Investment Policy.

California Government Code: Summary of CA Govt Code 53600-53610 (NOTE: the table below is only a summary. Investments are subject to restrictions, limitations and exceptions described in the statute.)

Authorized Investment	**Max Maturity[1]**	**Max % of Portfolio[2]**	**Max Single Issuer Exposure**
EOCWD Bonds	5 Years‡	None	None
US Treasury Obligations	5 Years‡	None	None
CA State Obligations	5 Years‡	None	None
Other State Obligations	5 Years‡	None	None
CA Local Agency Obligations	5 Years‡	None	None
US Agency Securities	5 Years‡	None	None
Bankers' Acceptances	180 Days‡	40%	30%
Prime Commercial Paper with highest rating	270 Days	25%	None[3]
Negotiable CD'S	5 Years‡	30% total, with placed CDs)	*
Repurchase Agreements	1 Year	None	None
Reverse Repurchase Agreements	92 Days	20%**	
Medium Term Notes rated "A" or better	5 Years	30%	None
Mutual Funds Diversified Management Companies	N/A	20%	10%
Money Market Mutual Funds	N/A	20%	None
Collateralized Bank Deposits	5 Years‡	None	None
Mortgage Pass Through Securities	5 Years	20%	None
Shares of Beneficial Interest in JPA's	N/A	None	None
Certificates of Deposits placed by a private sector entity	None	30% (total, with negotiable CDs)	10% any one placement entity
County Pooled Investment Funds	N/A	None	None
Time Deposits	None	None	*

- *Subject to FDIC Limits
- ** Of Base

[1] Where the symbol ‡ appears, the investment is subject to the default maturity limitation of 5 years remaining at time of investment, unless longer maturity is authorized by Board not less than 3 months prior to investment.
[2] At the date of purchase.
[3] Local agency may purchase no more than 10% of the commercial paper of a single issuer.

EAST ORANGE COUNTY WATER DISTRICT

MEMO

TO: BOARD OF DIRECTORS

FROM: GENERAL MANAGER

SUBJECT: **TRANSMITTAL OF AUDITOR SAS NO. 114 LETTER**

DATE: MAY 21, 2015

BACKGROUND

Auditor Paul Kaymark of the Pun Group has requested that Board Members review the attached letter that complies with Statement of Auditing Standards No. 114, wherein the Auditor is required to communicate the Auditor's responsibilities, scope and timing of the audit to the Board and management.

RECOMMENDATION

Information only; no action is required.

THE PUN GROUP
ACCOUNTANTS & ADVISORS

May 15, 2015

To the Board of Directors of the East Orange County Water District:

Under the Statement of Auditing Standards No. 114, (AU Section 380) we are required to communicate clearly with those charged with governance (Board and management) during the planning stage of the audit the responsibilities of the auditor in relation to the financial statement audit, and an overview of the scope and timing of the audit.

The Audit Engagement

We are engaged to audit the financial statements of the business-type activities of the District including the related notes to the financial statements, which collectively comprise the basic financial statements of the District as of and for the year ended June 30, 2015.

Our Responsibilities under Generally Accepted Auditing Standards and Government Auditing Standards of the United States of America

As stated in our Audit Engagement Letter for the year ended June 30, 2015, our responsibility, as described by professional standards, is to express opinions about whether the financial statements prepared by management with the Board of Directors oversight are fairly presented, in all material respects, in conformity with generally accepted accounting principles of the United States of America. Our audit of the financial statements does not relieve the Board of Directors or management of its financial accounting and reporting responsibilities for the District.

As part of our audit, we will consider the internal controls of the District. Such considerations are solely for the purpose of determining our audit procedures and not to provide any assurance concerning such internal controls.

As part of obtaining reasonable assurance about whether the financial statements are free of material misstatement, we will also perform tests of the District's compliance with certain provisions of laws, regulations, contracts, and grants. However, the objective of our tests is not to provide an opinion on compliance with such provisions.

Our Planned Scope and Timing of the Audit

An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements; therefore, our audit will involve judgment about the number of transactions to be examined and the areas to be tested.

Our audit will include obtaining an understanding of the District and its financial and operating environment. This includes evaluating the District's internal controls relevancy to assess the risks of material misstatement in the financial statements and to design the nature, timing, and extent of further audit procedures.

200 East Sandpointe Avenue, Suite 600, Santa Ana, California 92707
Tel: 949-777-8800 •Toll Free: 855-276-4272 • Fax: 949-777-8850
www.pungroup.com

Material misstatements may result from: errors, fraudulent financial reporting, misappropriation of assets, or violations of laws or governmental regulations that are attributable to the District or to acts by management or employees acting on behalf of the District.

Therefore, we will plan and perform the audit to obtain reasonable assurance about whether the basic financial statements are free of material misstatement, whether caused by error or fraud. Because of the nature of audit evidence and the characteristics of fraud, we are to obtain reasonable, not absolute assurance that material misstatements are detected. We have no responsibility to plan and perform the audit to obtain reasonable assurance that misstatements, whether caused by error of fraud, that are not material to the basic financial statements are detected. Our audit does not relieve the Board of Directors or management of their fiduciary responsibilities for the District.

We will generally communicate our significant findings at the conclusion of the audit. However, some matters could be communicated sooner, particularly if significant difficulties are encountered during the audit where assistance is needed to overcome the difficulties or if the difficulties may lead to a modified opinion. We will also communicate any internal control related matters that are required to be communicated under professional standards.

We will be holding several discussions and meetings with management to discuss the significant components of the 2015 audit. These discussions relate to the interim and final fieldwork testwork to be conducted over the significant audit areas. We have also begun our interim pre-audit testwork and expect to complete our final audit fieldwork in September 2015 and issue our audit report by the December 2015 Board Meeting. However, the implementation of GASBs No. 68 and 71 (Accounting and Reporting of the Net Pension Liability on the Financial Statements) this fiscal year may delay the issuance of the District's Financial Statements beyond the December 2015 Board Meeting date.

If you have any questions or concerns about the audit or audit process, please contact me directly at (949) 777-8821 or e-mail me at **paul.kaymark@pungroup.com**. I would appreciate the opportunity to discuss this information further with you since a two-way dialogue can provide valuable information for the audit process.

This information is intended solely for the use of the Board of Directors and management of District and is not intended to be, and should not be, used by anyone other than these specified parties.

Cordially,

Paul J. Kaymark, CPA
Audit Partner
The Pun Group LLP
200 E. Sandpointe Ave., Suite 600
Santa Ana, CA 92707
Phone: (949) 777-8821 - Direct
paul.kaymark@pungroup.com

MEMO

TO: BOARD OF DIRECTORS

FROM: GENERAL MANAGER

SUBJECT: LOCAL SEWER TRANSFER – APRIL STATUS UPDATE

DATE: MAY 15, 2015

ACTIVITIES UPDATE

Outreach & Communications

On April 2nd, President VanderWerff, Vice-Chair Davert, General Manager Ohlund met with representatives of Serrano Water District to discuss cooperative services and the proposed sewer transfer.

On April 11th, President VanderWerff, Vice-Chair Davert, General Manager Ohlund and Outreach Coordinator Brian Lochrie met to discuss the status of the LAFCO application, OCSD Amendment and other issues related to the proposed sewer transfer.

On April 14th, President VanderWerff, General Manager Ohlund and Superintendent Mendzer met with OCLAFCO Chair Derek McGregor and LAFCO Project Manager Ben Legbandt at the District office to review current operations and also provided them a tour of the District.

On April 15th, President VanderWerff, Vice-Chair Davert, General Manager Ohlund and Outreach Coordinator Brian Lochrie met with Supervisor Lisa Bartlett and members of her staff to discuss the proposed sewer transfer.

OCSD

Vice-Chair Davert and General Manager Ohlund attended the OCSD Executive Committee and Board Meeting on April 22nd as the respective Committee/Board approved Amendment 1 to the Sewer Transfer Agreement.

Superintendent Mendzer continues to meet with OCSD field supervisor Doug Rech on at least a weekly basis to review the prior week's work and contractor performance.

OC LAFCO

At their May 13th Commission Meeting, LAFCO staff reported that the EOCWD Sewer Transfer Focused MSR will be released for comment by May 21st and a community workshop will be held on June 18th, with the Commission hearing on July 8th. Due to the EOCWD Board Meeting being held on June 18th; staff has requested a change to the workshop date.

RECOMMENDATION

Information item only; no action required.

MEMO

TO: **BOARD OF DIRECTORS**

FROM: **GENERAL MANAGER**

SUBJECT: **WHOLESALE AND RETAIL ZONE WATER DEMANDS – APRIL 2015**

DATE: **MAY 21, 2015**

Wholesale Zone Water Demands

Attached is a graphical representation of the Wholesale Zone water demand through April 30, 2015. Total water sales for the month of April totaled 364.10 AF; total year-to-date sales are 4,037.20 AF. This is a 108 AF or 23% decrease in demand from April, 2014.

Retail Zone Water Demands

Please note that MWDOC has changed the format of the Retail Zone Water Usage Report effective November 1, 2014.

Page 1 of the report is an overview of the sources of water supply and our monthly usage. Currently, all water used for the RZ is groundwater. Since the beginning of the 2014/15 water year, imported water has provided only 2% of the total supply, while groundwater provides 98%. Due to the EOCWD participating in the Coastal Pumping Transfer Program (CPTP), our groundwater usage is much higher currently than it has been historically.

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, after several years of declining water demand, last year's demand is approaching our 10 year average. We expect that this will 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.

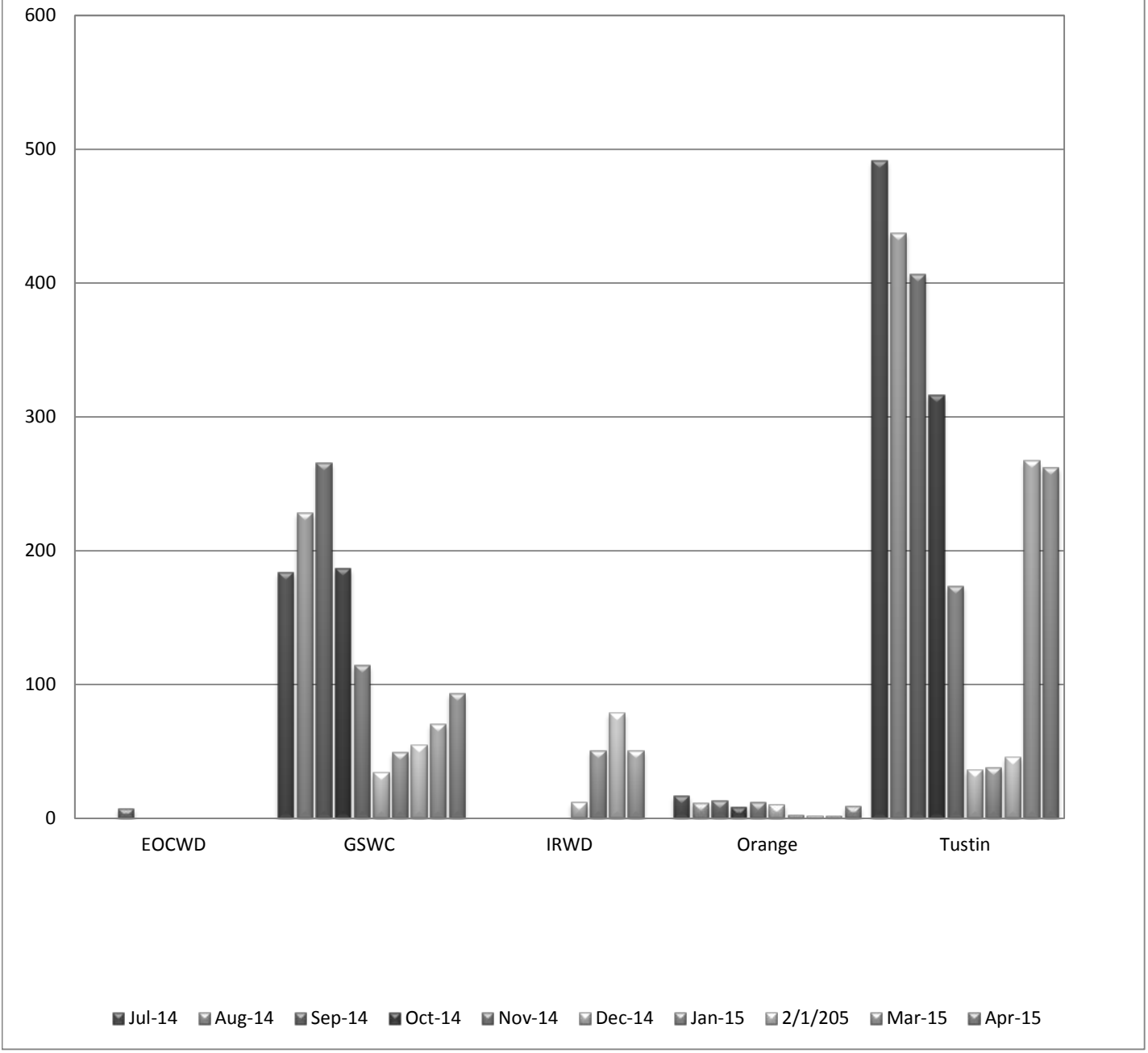
As shown on Page 4, total demand for the month of March was 73 AF; this is 7 AF (9%) lower than our demand for April 2014 and 7 AF or (9%) lower than our average demand for the last 6 years.

Also attached are graphs depicting the Retail Zone's water demand; they have deleted Page 5 that graphed our historic water use by year and added a table that shows "gallons per capita per day" or GPCD. The table shows our residents' per person, per day water consumption for the month of April 2015 (244) compared to April 2014 (268). 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).

Wholesale Zone Water Demand

Total Monthly Sales for March, 2014 =364.10 AF

Total YTD Sales for July - April, 2015 = 4,037.20 AF



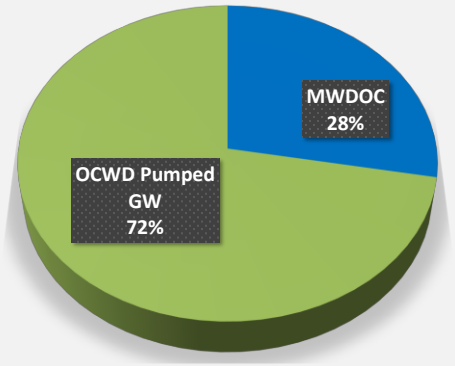
East Orange County Retail Zone Water Usage Report

East Orange County Retail Zone Overview of Usage
FY 2014-15 Monthly Water Use

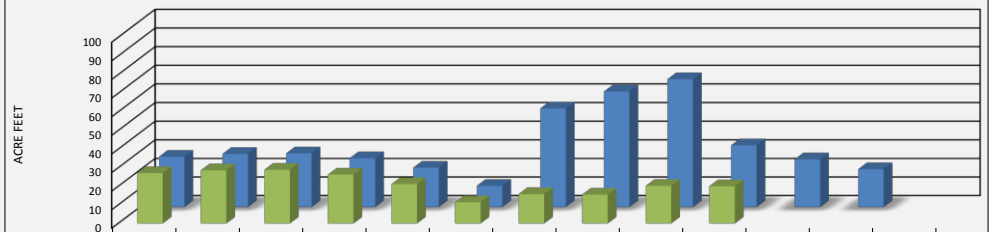
Type of Supply	July	August	September	October	November	December	January	February	March	April	May	June	Total
MWDOC	27	29	29	26	21	11	16	16	20	20			215
OCWD Pumped GW	73	75	73	67	53	29	43	38	52	53			556
Total	**100**	**104**	**102**	**93**	**74**	**41**	**59**	**53**	**72**	**73**			**771**

2014 MWDOC Usage	27	29	29	26	21	11	53	62	69	33	26	20	**407**

2014-15 Sources of Water Supply

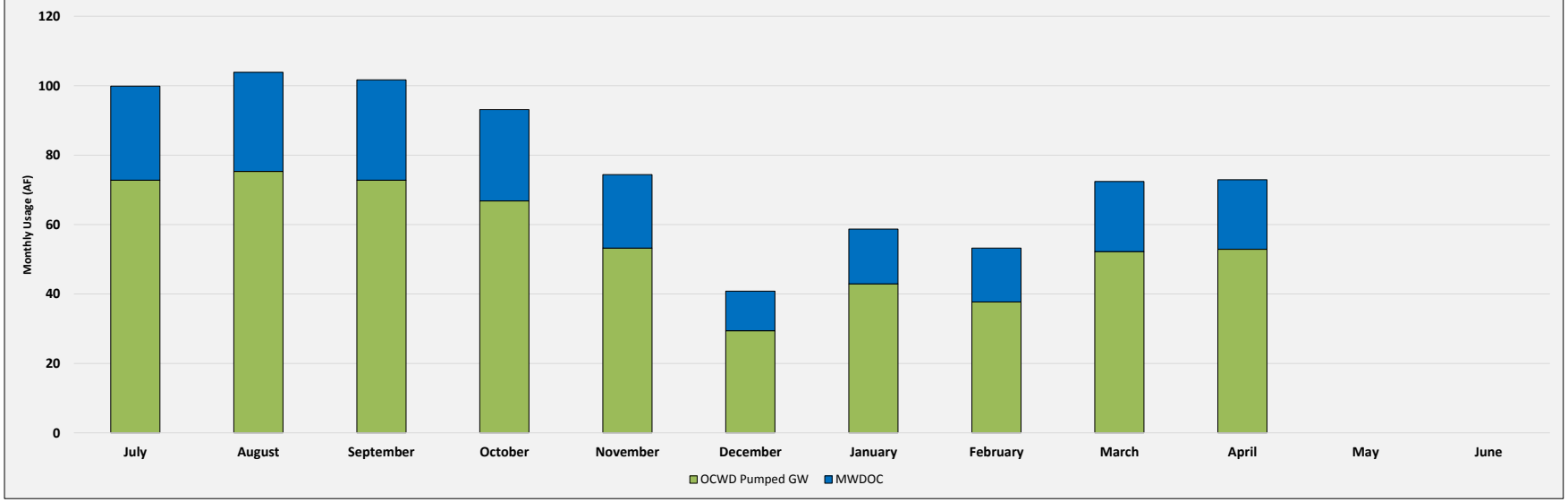


MWDOC Calendar Year and Fiscal Year Purchases



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
2014-15	27	29	29	26	21	11	16	16	20	20			215
2014	27	29	29	26	21	11	53	62	69	33	26	20	407

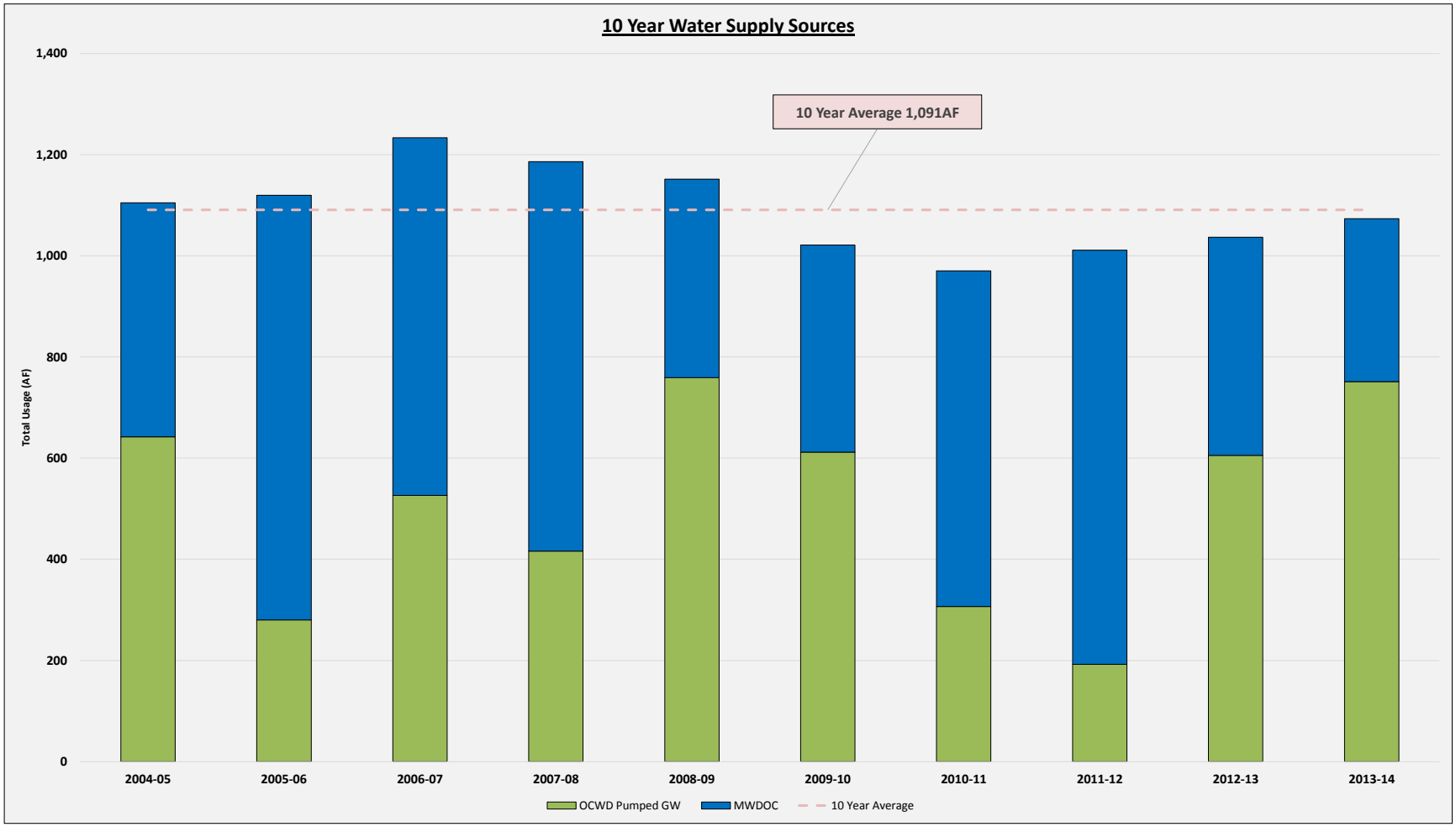
2014-15 Water Supply Sources



East Orange County Retail Zone Water Usage Report

Annual Water Usage

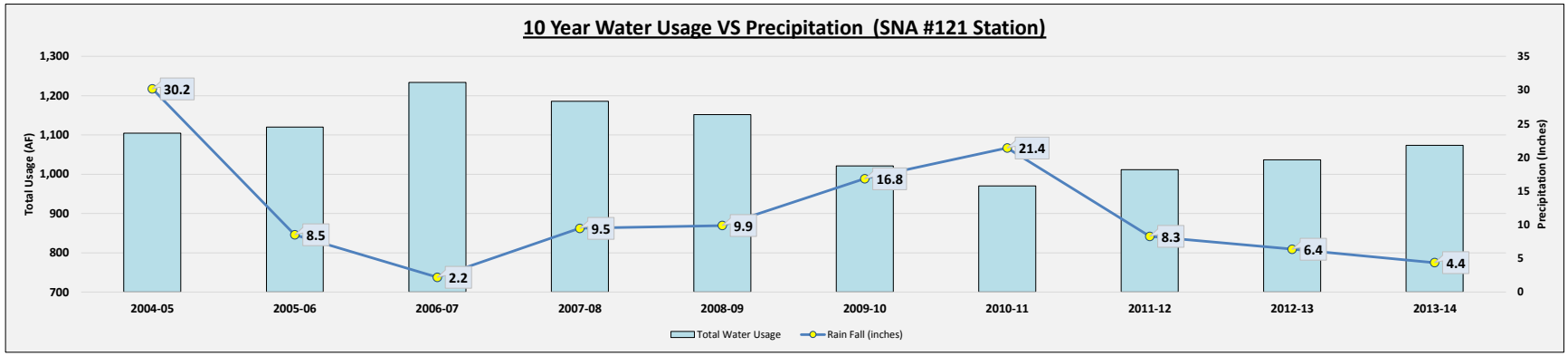
Type of Supply	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	Average
MWDOC	462.7	839.5	707.1	770.0	392.3	409.3	663.8	819.1	431.3	322.0	581.7
OCWD Pumped GW	641.9	280.2	526.3	416.0	759.1	612.0	306.5	192.1	605.2	751.3	509.1
Total	**1,105**	**1,120**	**1,233**	**1,186**	**1,151**	**1,021**	**970**	**1,011**	**1,037**	**1,073**	**1,091**

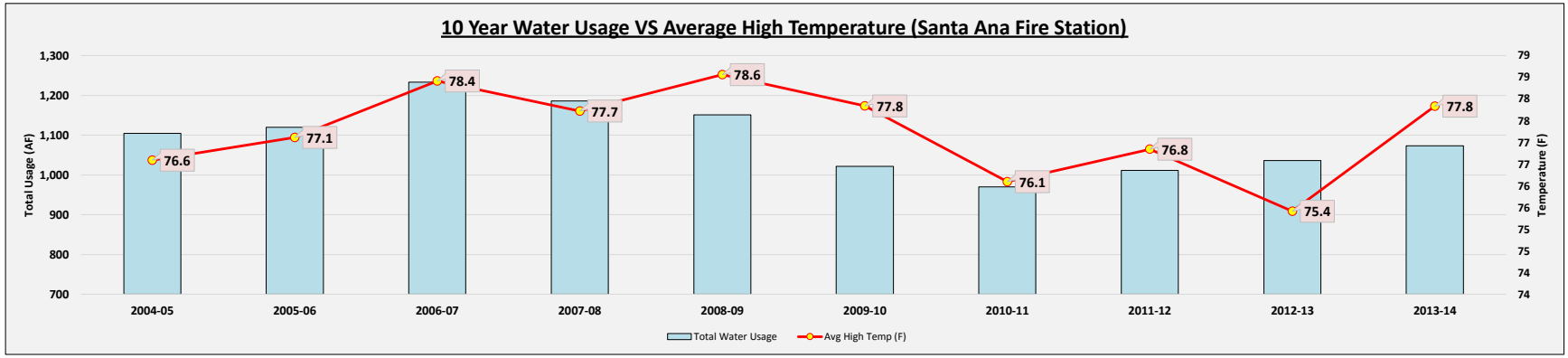


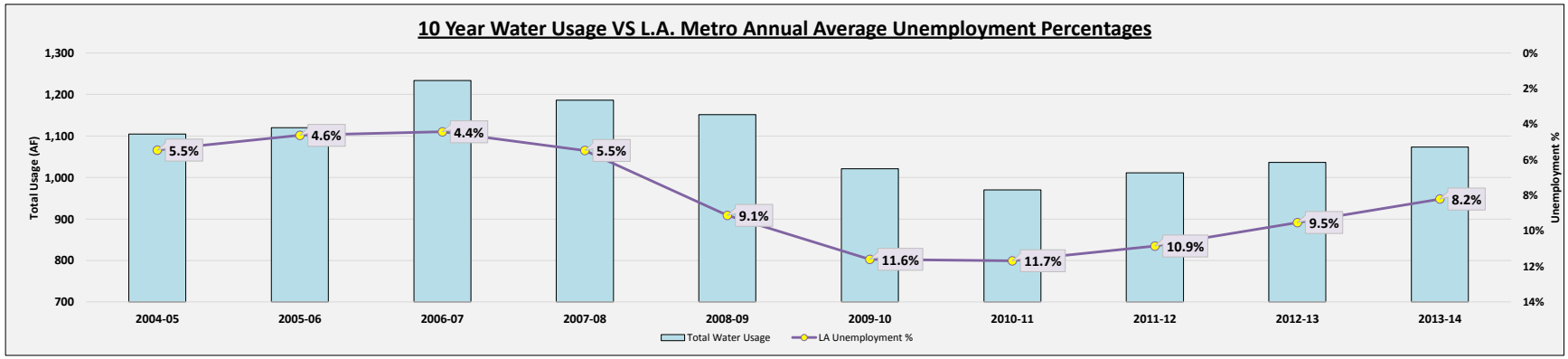
East Orange County Retail Zone Water Usage Report

Water Usage Variables

Type of Supply	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	Average
Rain Fall (inches)	30.2	8.5	2.2	9.5	9.9	16.8	21.4	8.3	6.4	4.4	11.7
Avg High Temp (F)	76.6	77.1	78.4	77.7	78.6	77.8	76.1	76.8	75.4	77.8	77.2
LA Unemployment %	5.5%	4.6%	4.4%	5.5%	9.1%	11.6%	11.7%	10.9%	9.5%	8.2%	8.1%
Total Water Usage	**1,105**	**1,120**	**1,233**	**1,186**	**1,151**	**1,021**	**970**	**1,011**	**1,037**	**1,073**	**1,091**







prepared by Municipal Water District of Orange County
** Numbers are Subject to Change*

5/11/2015

East Orange County Retail Zone Water Usage Report

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

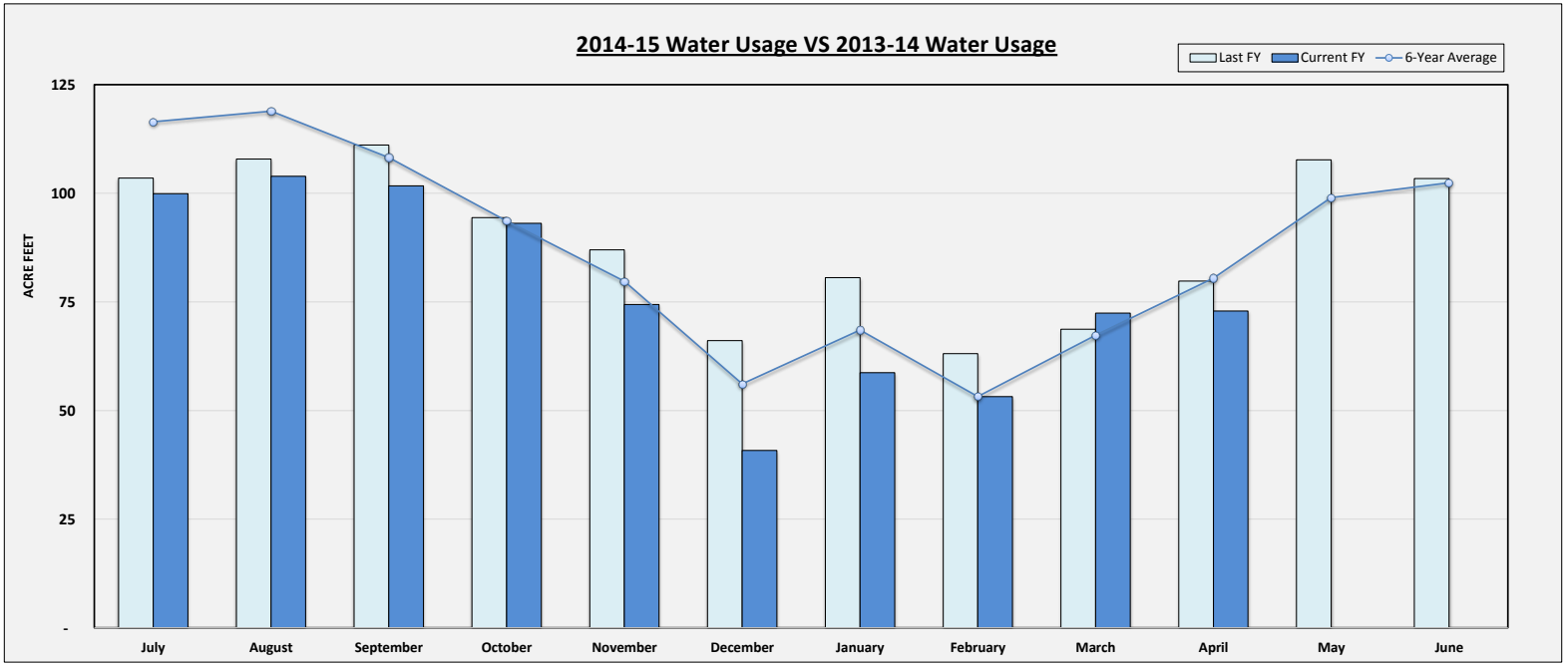
Fiscal Year	July	August	September	October	November	December	January	February	March	April	May	June	Total
2007-08 Usage	139	125	114	110	89	72	50	58	88	108	114	119	1,186
2008-09 Usage	127	127	114	108	96	57	91	46	83	101	103	100	1,152
2009-10 Usage	123	124	112	97	86	55	52	35	59	74	96	110	1,021
2010-11 Usage	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
Average of Last 6 FYs	**116**	**119**	**108**	**94**	**80**	**56**	**69**	**53**	**67**	**80**	**99**	**102**	**1,044**
Monthly Usage Percentage	11%	11%	10%	9%	8%	5%	7%	5%	6%	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	0.0	0.0	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0			7.3
CPTP	27.1	28.6	21.6	26.3	21.2	11.4	15.8	15.5	20.2	20.0			207.7
Imported Total	**27**	**29**	**29**	**26**	**21**	**11**	**16**	**16**	**20**	**20**	**-**	**-**	**215**

Local	July	August	September	October	November	December	January	February	March	April	May	June	Total
OCWD Pumped GW	99.9	103.9	94.4	93.1	74.4	40.8	58.7	53.2	72.4	72.9			763.7
Less CPTP	(27.1)	(28.6)	(21.6)	(26.3)	(21.2)	(11.4)	(15.8)	(15.5)	(20.2)	(20.0)			(207.7)
Local Total	**73**	**75**	**73**	**67**	**53**	**29**	**43**	**38**	**52**	**53**	**-**	**-**	**556**

Total Usage 2014-15	**100**	**104**	**102**	**93**	**74**	**41**	**59**	**53**	**72**	**73**	**-**	**-**	**771**
FY 14-15 versus FY 13-14	-3%	-4%	-8%	-1%	-14%	-38%	-27%	-16%	+5%	-9%			

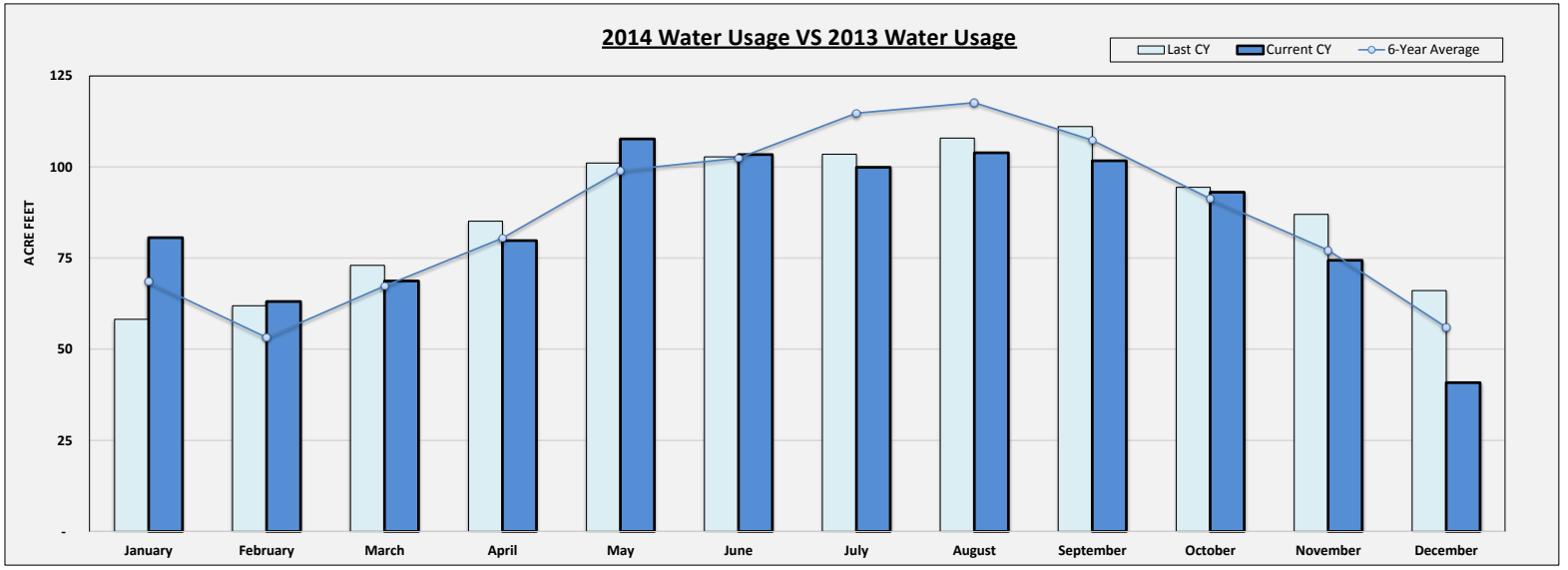


East Orange County Retail Zone Water Usage Report

10 Year Monthly (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	116	119	108	94	80	56	1,076
6 year Average	**69**	**53**	**67**	**80**	**99**	**102**	**115**	**118**	**107**	**91**	**77**	**56**	**1,035**

Total Water Usage 2014	**81**	**63**	**69**	**80**	**108**	**103**	**100**	**104**	**102**	**93**	**74**	**41**	**1,017**
2014 VS 2013 Usage	+38%	+2%	-6%	-6%	+7%	+1%	-3%	-4%	-8%	-1%	-14%	-38%	-6%



	Population	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2013 Usage (AF)		58	62	73	85	101	103	104	108	111	94	87	66	1,052
2013 GPCD	3,233	189	223	237	286	329	345	337	351	373	307	292	215	291
2014 Usage (AF)		81	63	69	80	108	103	100	104	102	93	74	41	1,017
2014 GPCD	3,247	261	226	222	267	349	346	323	336	340	301	249	132	280
CY over CY change in GPCD		+72	+3	-15	-19	+20	+1	-13	-14	-33	-6	-43	-83	-11

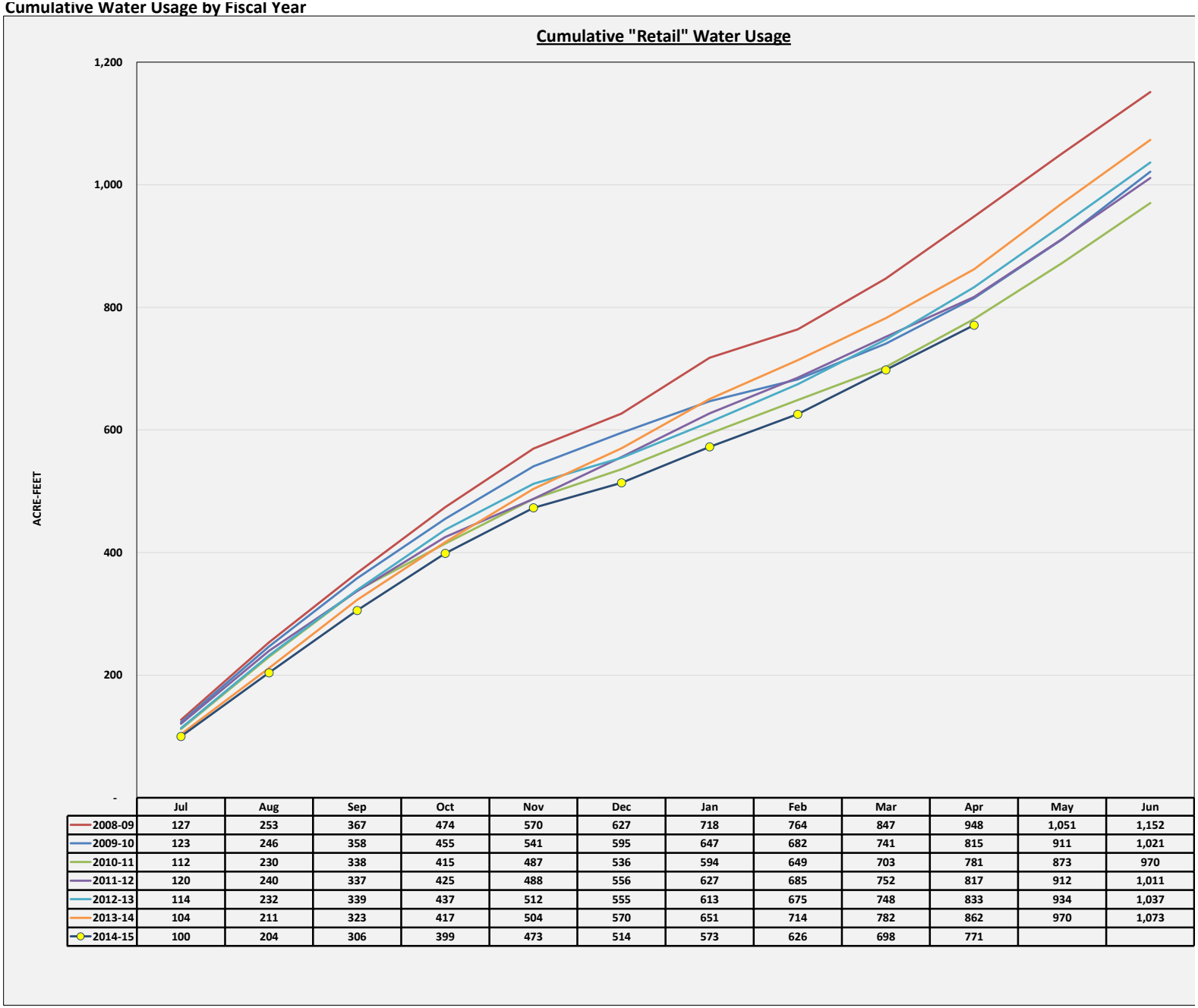
	Population	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
2013-14 Usage (AF)		104	108	111	94	87	66	81	63	69	80	108	103	1,073
2013-14 GPCD	3,233	337	351	373	307	292	215	262	227	223	268	350	347	296
2014-15 Usage (AF)		100	104	102	93	74	41	59	53	72	73	-	-	
2014-15 GPCD	3,247	323	336	340	301	249	132	190	191	234	244	-	-	
FY over FY change in GPCD		-13	-14	-33	-6	-43	-83	-72	-36	+11	-24			

*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



	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
2008-09	127	253	367	474	570	627	718	764	847	948	1,051	1,152
2009-10	123	246	358	455	541	595	647	682	741	815	911	1,021
2010-11	112	230	338	415	487	536	594	649	703	781	873	970
2011-12	120	240	337	425	488	556	627	685	752	817	912	1,011
2012-13	114	232	339	437	512	555	613	675	748	833	934	1,037
2013-14	104	211	323	417	504	570	651	714	782	862	970	1,073
2014-15	100	204	306	399	473	514	573	626	698	771		

Drought Education/Enforcement Efforts - April 2015

Activity	*Date*	*Action*
Meetings		
Drought Messaging Working Group - Lisa Ohlund	April 9, 2015	Topics discussed at the meeting included: Clarification on the proposed emergency regulations and brainstorming regional messaging opportunities
Drought Messaging Working Group - Lisa Ohlund	April 22, 2015	Continued work on regional messaging opportunities, availability and continuance of rebate programs, discussion of enforcement options.
Drought Messaging Working Group - Lisa Ohlund	April 29, 2015	Reviewed deliverables from MWDOC for regional messaging: 3 minute presentation to elected officals, service groups, etc.; outreach to media with targeted story ideas; wrapping buses in drought reminder advertising, provision of conservation printed materials and artwork.
WEROC Regional Drought Training Workshop	April 30, 2015	Regional emergency preparedness training in concert with OCFA and OC Sheriff's Department and Office of Emergency Services and local emergency response coordinators to discuss drought impacts to emergency services. Significant discussion regarding wildfire buffer zones and the inability to irrigate these under the drought mandate for several agencies.

Water Waste/High Water Bill Phone Calls		
Water Waste - Matt Plummer	April 19, 2015	Neighbor reported leak coming from neighbor's home on Miriam Way. Water running down street. Matt responded and found that a hose had been left running into customer's pool. Water was turned off and the property was door tagged and warned that a penalty would be assessed if this occurred again.
Water Waste - Ty Coston	April 20, 2015	Ty was driving by and noticed a broken sprinkler shooting water into the air on Fairhaven Extension. Ty was able to make contact with customer, shutoff the water,and inform them about the situation and the need to repair the broken sprinkler.
High Water Bill - Sylvia	April 28, 2015	Customer on Media Panorama called to request assistance from EOCWD to check the sprinkler system settings. Customer was counseled regarding their timer settings and encouraged to discuss irrigation with landscape maintenance contractor.

WUE Materials		
Bill Inserts -	April 20, 2015	EOCWD generated a customer letter for inclusion in the April 2015 RZ customer bills to inform them of Governor Brown's Executive Order requiring a mandatory 25% reduction in water use starting May 15th.
Drought Social Media/Print Messaging Efforts		
Facebook	April 1, 2015	In an effort to keep customers more informed, EOCWD posts any Drought or EOCWD Status updates.
Communications Lab	April 28, 2015	Reviewd "Droughtreach" program with "David Cordero and Brian Lochrie; finalized approach - next meeting will target priorities.

Twitter - non-active in April	April 1, 2015	Due to staffing changes; Twitter activity ceased during April. Staff is investigating options on how best to continue social media activities and will have them in place by May 31st.
EOCWD Website Drought Page	April 1, 2015	Drought Page objective is to keep Customers Informed about: SWRCB Updates, Reservoir Level Updates. Information of Rebates, MET Drought outreach Campaign, EOCWD Level 1 Water Conservation Material.
Orange County Register	April 30, 2015	Resolution No. 752 declaring Water Conservation Level 2 was published in the OC Register (pursuant to Conservation Ordinance requirements)
Foothill Sentry Ad - Syvia Prado	April 1, 2015	For the Month of April EOCWD produced an Ad titled "Water Is Precious" to promote saving water. Resolution No 752 declaring Water Conservation Level 2 was also published in the Sentry
Customer Rebate Activities		
Customer Rebate Activities - Sylvia	April 1, 2015	Customers calling to request information on Turf Removal Program and/or to replace landscape with synthetic grass. Referring them to ocwatersmart.com, however as of May 1, the program is only taking applications for turf removal until new funding authorization is obtained.

Customer Rebate Activities - Sylvia	April 21, 2015	Customer inquiry- Does EOCWD provides landscaping suggestions? Sylvia informed her that we do not provide that service, but she did refer the customer to visit the district's website and the Bewaterwise.com website regarding landscape/native friendly classes.
Groundwater Replenishment System (GWRS) Credits		
MWDOC/OCWD	April 30, 2015	The GWRS production allocated to EOCWD can be reported as Indirect Potable Reuse (IPR). For the month of April, EOCWD showed an IPR credit of 23.4 acre feet (equivalent to 7.6 million gallons or 34% of the RZ's April 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.

EAST ORANGE COUNTY WATER DISTRICT

MEMO

TO: **BOARD OF DIRECTORS**

FROM: **GENERAL MANAGER**

SUBJECT: **GENERAL INTEREST PUBLICATIONS**

DATE: **MAY 21, 2015**

Background

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

- *"Fitch: California Water Credits May Struggle with New Rules"* May 8, 2015, Business Wire
- *"Regional tensions linger in California's Drought" May 11*, 2015, Sacramento Bee

Recommendation

Information only; no action required.

Business Wire Water Credits May Struggle with New Rules

May 08, 2015 10:44 AM Eastern Daylight Time

NEW YORK--(BUSINESS WIRE)--The California State Water Resources Control Board's new water conservation mandate will reduce revenues available to pay bondholders at many agencies and could create an unintended disincentive to invest in necessary local water supply and storage projects, Fitch Ratings says.

The rules adopted this week dictate cuts in customer usage regardless of local supply conditions. The impact will be greatest in Southern California communities that have borrowed billions of dollars to invest in water supply reliability and now must meet some of the highest reductions. The cutback levels and short compliance timeframe set by the board suggest many utilities will likely fail to meet the targets.

The state water board rules require all retail California water utilities to reduce usage from 2013 levels by 8% to 36% between June 2015 and February 2016. Utilities are acting quickly to curtail their retail usage through water conservation ordinances, mandatory use reductions to retail customers and price signals. However, it may be very difficult for utilities required to meet the higher percentage reductions to garner significant water consumption behavior changes in this short time frame. California's Proposition 218 limits the speed at which new rates can be implemented, including rates that incentivize consumers to conserve. Initial compliance will be measured beginning in June 2015, and the state water board has indicated its willingness to work with utilities that are exhibiting a good faith effort to meet the requirements.

We expect the financial impact will occur primarily in fiscal 2016 and to vary across the 49 Fitch-rated retail California water utilities. Utilities that have decoupled revenues from water sales through a number of mechanisms will likely sustain their credit quality during this emergency compliance order. Tools that protect revenues from declines in consumption include drought rates, fixed drought surcharges, higher fixed charges in the overall rate structure, rate stabilization reserves and imported water expenditures that decline with lower usage. However, the speed of the cuts will force some to spend down their reserves or divert capital funds, possibly reducing credit quality in the short run. Fitch believes most utilities will adjust rates appropriately, avoiding widespread credit rating downgrades.

The state water board's decision to impose conservation from the top down ignores various local supply conditions and brings local control regarding water supply planning into question. Fitch's rating criteria assesses the quality of a utility's long-term supply planning and acquisition of supplies, storage and backup arrangements to manage through cyclical hydrological conditions, including severe drought years. To the extent the emergency rules begin to shape long-term water supply planning and investments in the state, the impact could unintentionally delay long-term water supply investments. The board has indicated that the temporary rules are designed to preserve water supply into next year during these extraordinary emergency conditions and should not impair investment decisions during normal times.

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Regional tensions linger in California's drought

HIGHLIGHTS

Four years into California's historic drought, animosities flare

The north-south split in Golden State water wars persists

Blaming farmers, townspeople, environmentalists – or God

Eliseo Moreno redirects water from a leak at a tomato farm in Arbuckle on Friday, May 8, 2015. Many of the farms in Arbuckle are using well water to grow their crops. | **Hector Amezcua** - hamezcua@sacbee.com

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The drought shaming started at the top last month, when Gov. Jerry Brown, announcing water restrictions from a barren meadow in the Sierra Nevada, mocked "the idea of your nice little green grass getting lots of water every day."

In the suburbs below, townspeople held their Lawn-Boys close. They looked beyond the city limits and became conversant, for the first time in their lives, about how much water it takes to make a grape or almond grow.

Farmers, in turn, blamed environmentalists for policies preserving water for endangered fish. Republicans denounced Democrats for blocking construction of water storage facilities. Pools and golf courses came in for a beating. Neighbors began reporting runoff from each others' lawns.

Brown said recently that "everybody's in it together," and polling suggests concerns about water are broadly shared. But four years into California's historic drought, animosities are flaring.

"We're fighting over a limited amount of water," said Ted Sheely, who farms pistachios, wine grapes, tomatoes and onions in Kings County. "And when it's this tight, it's real serious."

California's water wars have traditionally been fought between north and south, with the former holding most of the state's water and the latter its population.

Californians on both sides still recall the bitterness of the campaign in 1982 over the peripheral canal, Brown's plan when he was governor before to divert water around the Delta to the south.

In one TV ad, a sinister figure was shown holding up a man taking a shower, the personification of Southern California coming to take the north state's water. The canal was defeated, with only marginal support in Southern California and overwhelming opposition in the north.

Randy Record, chairman of the Metropolitan Water District of Southern California, said the outcome was "amazing."

"I mean, Southern California has the population," he said, "but it couldn't get the votes."

Record, who has farmed since the mid-'70s, is the public face of Metropolitan, which provides drinking water to nearly 19 million Southern Californians.

He said that since the peripheral canal vote, "Things have changed," with a softening of whatever tension existed between agricultural and urban interests.

"I think we both want very much to have a reliable water supply," Record said, "which gives us more in common than things that we might find to oppose each other."

The politics of drought differ now, largely because effects are so widely shared.

According to a Field Poll in February, Northern Californians tended to view the seriousness of California's water shortage more acutely than in Southern Californians, but only slightly. In every area of the state, at least nine in 10 registered voters consider the drought to be a serious problem.

In another measure of unity, the water bond Californians considered last year, Proposition 1, passed with more than 67 percent support statewide. The campaign relied heavily on advertising related to the drought.

"We're looking at a real time of shortage, and yet, when you look across the regions, you're not seeing the same kind of regional disparities as once existed," said Mark DiCamillo, director of the Field Poll. "But there are exceptions to that, and I guess my instincts as a pollster say that as ... the severity of this drought worsens, I guess I would expect greater regional differences."

Hints of those differences have already materialized. In the February Field Poll, pluralities of voters in every region in California said the state should be allowed to bypass environmental regulations protecting fish in the San Francisco Bay and Sacramento-San Joaquin River Delta – except one. In the San Francisco Bay Area, nearly two-thirds of voters disagreed.

Last month, farm industry officials mounted a public relations campaign to push back against statistics showing agriculture accounts for roughly 80 percent of all water used by people in the state.

DiCamillo said, "As we move forward, I can just imagine greater regionality when it comes to agriculture and ... things that they're going to be asked to do or not do relating to the drought."

Historically, no area of the state has been more protective of its water than Colusa County, just north of Sacramento. In the peripheral canal vote in 1982, 96 percent of the electorate voted "No."

"There's just a great sense of distrust," said Darrin Williams, who farms row crops in Arbuckle.

The ideology and the economy in the area – conservative, agricultural – differs starkly from the more urban, Democratic south. Williams lamented generational shifts that have disconnected many Californians from the farm.

"The drought has intensified those differences," Williams said, "You have urban pressure, you have environmental, and you have ag. I don't know who's going to win. But I can tell you who's going to lose. Everybody's going to lose."

Brown declared a drought emergency last year, but until issuing his water reduction order in April – a mandatory 25 percent in cities and towns across the state – the drought was largely an agricultural concern. Farmers, facing reduced water deliveries, fallowed thousands of acres of fields.

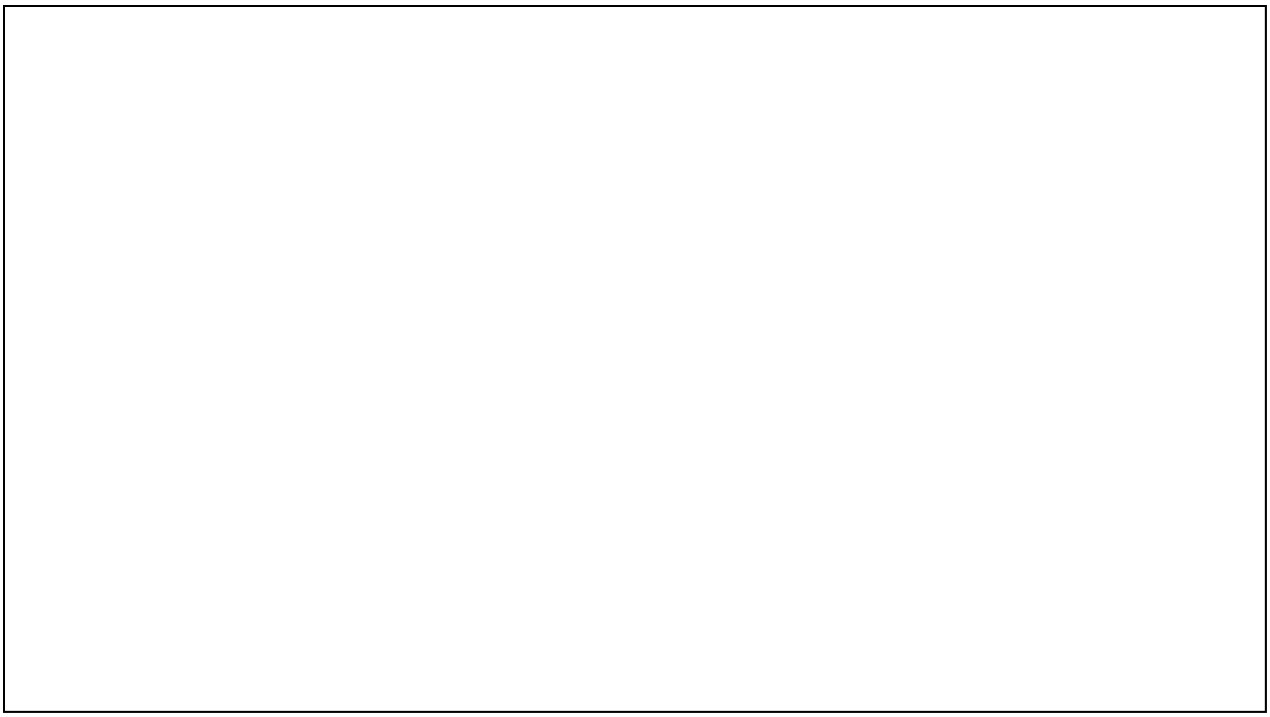
Today, the hillsides are as brown in Orange County as they are in Colusa, but the experience of the drought is measured in unfamiliar terms.

While farmers measure the depth of their wells and mete out water on their irrigation lines, city dwellers take shorter showers and refrain from flushing their toilets.

They also go to the car wash more.

Jim Surber, owner of Doheny Village Hand Car Wash in Capistrano Beach, said business increased after local officials imposed restrictions on home car washing.

"It isn't so dramatic that we're going, 'Holy crap, we can't do it,' " Surber said. "But it's at the point right now where we're having to increase our staff levels."



The car wash, where two Maseratis waited one recent afternoon, promotes its water recycling efforts online and, when customers ask, at the cash register.

"Everybody's focusing on it more," Surber said.

Southern California has made huge strides in conservation in the decades since the peripheral canal vote. Regional water agencies have invested in storage and water recycling. Total water consumption in the region has remained flat over the past 15 years, despite population growth.

"Southern California really did get the message," said Celeste Cantú, a former State Water Resources Control Board director who now manages the Santa Ana Watershed Project Authority in Riverside. "We've added millions of people, and our potable water is the same."

But perceptions of lush golf courses and swimming pools persist.

"Southern California," Cantú said, "feels unjustly maligned."

In San Juan Capistrano, the Orange County city where taxpayer advocates successfully challenged the city's tiered rate water pricing system – dealing a blow to water conservation efforts – Ken Purcell, the president of a local homeowners association, said the drought is a "real problem."

Managers of the golf course he frequents are removing turf from everywhere except the

fairways, tee boxes and greens. He recently installed drip irrigation in his own backyard.

"People have got to realize that we've got a situation going on," he said.

But Purcell said no one person is to blame.

"It's up there," he said, pointing to the sky. "You're in God's country."

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