

OTAY WATER DISTRICT

BOARD OF DIRECTORS MEETING  
DISTRICT BOARDROOM

2554 SWEETWATER SPRINGS BOULEVARD  
SPRING VALLEY, CALIFORNIA

**WEDNESDAY**  
**October 5, 2016**  
**3:30 P.M.**

**AGENDA**

1. ROLL CALL
2. PLEDGE OF ALLEGIANCE
3. APPROVAL OF AGENDA
4. APPROVE THE MINUTES OF THE REGULAR BOARD MEETINGS OF AUGUST 3 AND SEPTEMBER 7, 2016
5. PUBLIC PARTICIPATION – OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO SPEAK TO THE BOARD ON ANY SUBJECT MATTER WITHIN THE BOARD'S JURISDICTION BUT NOT AN ITEM ON TODAY'S AGENDA

**CONSENT CALENDAR**

6. ITEMS TO BE ACTED UPON WITHOUT DISCUSSION, UNLESS A REQUEST IS MADE BY A MEMBER OF THE BOARD OR THE PUBLIC TO DISCUSS A PARTICULAR ITEM:
  - a) AWARD A CONSTRUCTION CONTRACT TO UNDERGROUND PIPE-LINE SOLUTIONS, INC. FOR THE 36-INCH LA PRESA AIR-VACUUM VALVE RELOCATIONS PROJECT IN AN AMOUNT NOT-TO-EXCEED \$157,315
  - b) AWARD A CONSTRUCTION CONTRACT TO BLASTCO, INC. FOR THE 978-1 & 850-2 RESERVOIR INTERIOR/EXTERIOR COATINGS AND UP-GRADES PROJECT IN AN AMOUNT NOT-TO-EXCEED \$1,106,200
  - c) APPROVE AN AGREEMENT WITH ECS IMAGING, INC. FOR ENTER-PRISE CONTENT MANAGEMENT SOFTWARE LICENSING, IMPLE-MENTATION, AND MIGRATION IN AN AMOUNT NOT-TO-EXCEED

\$185,265, AND REASSIGN AN ADDITIONAL \$75,265 TO THIS PROJECT FROM IDENTIFIED CIP SAVINGS

ACTION ITEMS

7. ENGINEERING AND WATER OPERATIONS
  - a) APPROVE THE WATER SUPPLY ASSESSMENT AND VERIFICATION REPORT DATED AUGUST 2016 FOR THE CITY OF CHULA VISTA UNIVERSITY INNOVATION DISTRICT PROJECT, AS REQUIRED BY SENATE BILLS 610 AND 221 (COBURN-BOYD)
8. BOARD
  - a) DISCUSSION OF THE 2016 BOARD MEETING CALENDAR

INFORMATIONAL ITEM

9. THE FOLLOWING ITEM IS PROVIDED TO THE BOARD FOR INFORMATIONAL PURPOSES ONLY. NO ACTION IS REQUIRED ON THE FOLLOWING AGENDA ITEM:
  - a) FISCAL YEAR 2016 BOARD OF DIRECTORS' EXPENSES (BENHAM)

REPORTS

10. GENERAL MANAGER'S REPORT
  - a) SAN DIEGO COUNTY WATER AUTHORITY UPDATE
11. DIRECTORS' REPORTS/REQUESTS
12. PRESIDENT'S REPORT/REQUESTS

RECESS TO CLOSED SESSION

13. CLOSED SESSION
  - a) CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION  
Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Section 54956.9:  
  
1 CASE

RETURN TO OPEN SESSION



# AGENDA ITEM 4

## MINUTES OF THE BOARD OF DIRECTORS MEETING OF THE OTAY WATER DISTRICT August 3, 2016

1. The meeting was called to order by President Thompson at 3:30 p.m.

2. ROLL CALL

Directors Present: Croucher, Lopez, Robak, Smith and Thompson

Staff Present: General Manager Mark Watton, General Counsel Daniel Shinoff, Asst. General Manager German Alvarez, Chief of Engineering Rod Posada, Chief Financial Officer Joe Beachem, Chief of Administration and Information Technology Adolfo Segura, Chief of Operations Pedro Porrás, Asst. Chief of Operations Jose Martinez, District Secretary Susan Cruz and others per attached list.

3. PLEDGE OF ALLEGIANCE

4. APPROVAL OF AGENDA

A motion was made by Director Croucher, and seconded by Director Lopez and carried with the following vote:

Ayes: Directors Croucher, Lopez, Robak, Smith and Thompson  
Noes: None  
Abstain: None  
Absent: None

to approve the agenda.

5. APPROVE THE MINUTES OF THE SPECIAL BOARD MEETING OF MAY 23, 2016 AND REGULAR MEETING OF JUNE 1, 2016

A motion was made by President Thompson, seconded by Director Lopez and carried with the following vote:

Ayes: Directors Croucher, Lopez, Robak, Smith and Thompson  
Noes: None  
Abstain: None  
Absent: None

to approve the minutes of the special board meeting of May 23, 2016 and regular board meeting of June 1, 2016.

6. PUBLIC PARTICIPATION – OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO SPEAK TO THE BOARD ON ANY SUBJECT MATTER WITHIN THE BOARD'S JURISDICTION BUT NOT AN ITEM ON TODAY'S AGENDA

No one wished to be heard.

PUBLIC HEARING

7. PUBLIC HEARING ON THE PUBLIC HEALTH GOAL REPORT

THE BOARD WILL BE HOLDING A PUBLIC HEARING TO CONSIDER APPROVING THE RECOMMENDATIONS IN THE PUBLIC HEALTH GOAL REPORT. THE BOARD INVITES THE PUBLIC TO PROVIDE COMMENTS ON THE REPORT.

- a) APPROVE THE RECOMMENDATIONS IN THE PUBLIC HEALTH GOAL (PHG) REPORT TO TAKE NO FURTHER ACTION IN REDUCING THE LEVELS OF THE SIX (6) CONSTITUENTS LISTED IN THE REPORT TO LEVELS AT OR BELOW THE PHGs

Systems Operations Manager Jake Vaclavek indicated that California Health and Safety Code 116470 specifies that water utilities with more than 10,000 service connections must prepare a special report every three (3) years by July first if their water quality measurements have exceeded any Public Health Goals (PHGs). Please reference the Committee Action notes attached to staff's report (Attachment A) for the details of Mr. Vaclavek's report.

In response to an inquiry from Director Robak, Mr. Vaclavek indicated that the District is required to test for lead and that all lead levels tested "non-detect" in the District's water supply. He noted that the PHG for lead is "0" and, thus, the District meets this goal and is not required to report lead levels. Mr. Vaclavek stated in response to another inquiry from Director Robak, that pharmaceuticals in the water are mostly handled through treatment techniques. The water that the District purchases has been treated with most of these treatment techniques, if not all the techniques. Because the treatment techniques are determined to remove pharmaceutical elements, the District does not test for them. It was noted that testing for pharmaceuticals and personal care products is extremely expensive. The District had tested for these elements in the District's potable water when the misconnect issue was discovered and the testing found "non-detect" for most of the elements at a cost of approximately \$10,000.

Director Croucher indicated that this was discussed at the Engineering Operations and Water Resources Committee and not only did staff test the District's water connections, but they also tested the water from customers' homes. These tests also showed "non-detect."

In response to an inquiry from Director Lopez, Mr. Vaclavek indicated that all treatment plants from which the District receives water are required to provide an

annual water quality report. The data from their reports is where the District determines that its potable water supply exceeds the PHGs. It was discussed that the District also provides in its water quality report, the agencies that it receives water from: San Diego Water Authority's Twin Oaks Water Treatment Plant, Metropolitan Water District's Skinner Water Treatment Plant, and Helix WD's R.M. Levy Water Treatment Plant. The Carlsbad Desalination Plant has been added to the list this year as a new source.

President Thompson opened the Public Hearing at 3:42 p.m. As no one wished to be heard, the Public Hearing was closed at 3:42 p.m.

A motion was made by Director Croucher, seconded by Director Robak and carried with the following vote:

Ayes: Directors Croucher, Lopez, Robak, Smith and Thompson  
Noes: None  
Abstain: None  
Absent: None

to approve staff's recommendation.

#### CONSENT CALENDAR

8. ITEMS TO BE ACTED UPON WITHOUT DISCUSSION, UNLESS A REQUEST IS MADE BY A MEMBER OF THE BOARD OR THE PUBLIC TO DISCUSS A PARTICULAR ITEM:

A motion was made by Director Croucher, seconded by Director Thompson and carried with the following vote:

Ayes: Directors Croucher, Lopez, Robak, Smith and Thompson  
Noes: None  
Abstain: None  
Absent: None

to approve the following consent calendar items:

- a) AWARD A CONSTRUCTION CONTRACT TO CHARLES KING COMPANY, INC. FOR THE RALPH W. CHAPMAN WATER RECYCLING FACILITY 14-INCH FORCE MAIN REHABILITATION PROJECT IN AN AMOUNT NOT-TO-EXCEED \$1,101,250
- b) AWARD AN AS-NEEDED ELECTRICAL ENGINEERING DESIGN SERVICES CONTRACT TO BSE ENGINEERING, INC. IN AN AMOUNT NOT-TO-EXCEED \$125,000 FOR FISCAL YEARS 2017-2019 (ENDING JUNE 30, 2019)

- c) ADOPT RESOLUTION NO. 4312 FIXING TERMS AND CONDITIONS FOR THE ANNEXATION OF CERTAIN REAL PROPERTY OWNED BY FRED C. SANDERS JR. 2015 REVOCABLE TRUST TO OTAY WATER DISTRICT IMPROVEMENT DISTRICT NO. 18 (APN 498-153-47-00, 11996 PASEO FUERTE, EL CAJON, CA)

## ACTION ITEMS

### 9. BOARD

- a) DISCUSSION OF THE 2016 BOARD MEETING CALENDAR

There were no changes to the board meeting calendar.

## INFORMATIONAL ITEM

- 10. THE FOLLOWING ITEMS ARE PROVIDED TO THE BOARD FOR INFORMATIONAL PURPOSES ONLY. NO ACTION IS REQUIRED ON THE FOLLOWING AGENDA ITEMS:

- a) 2015 INTEGRATED WATER RESOURCES PLAN UPDATE (BEPPLER)

Senior Civil Engineer Stephen Beppler indicated that the 2015 Integrated Water Resources Plan (IRP) update was previously presented at the March 2016 board meeting. Staff is presenting the completed IRP and will provide a summary of the recommendations being made within the plan. Mr. Beppler indicated that the primary reason for updating the IRP is that the last IRP was completed in 2007 when circumstances were considerably different than they are today. In addition, staff has researched various possible water supply resources and wished to incorporate that information into the IRP document. Please reference the Committee Action notes attached to staff's report (Attachment A) for the details of Mr. Beppler's report.

Engineering Manager Bob Kennedy indicated in response to an inquiry from Director Robak that the District does share all its projects with the San Diego County Water Authority (CWA) and they, in turn, share all their regional projects with the Metropolitan Water District (MWD). All agencies are aware of what the District is doing and they do include some of the District's projects in their Urban Water Management Plans (UWMP). He noted that CWA's latest UWMP includes the Rosarito Desalination Project as a potential water source. General Manager Watton added that the San Diego Region is now doing a good job in coordinating with one another on future supply projects. However, it is not believed that MWD is integrating local supplies into their planning documents.

Director Smith indicated that the Integrated Water Management Plan is prepared by agencies to allow for the opportunity to apply for grant funds (Proposition 50 funds) from the State. Engineering Manager Kennedy indicated that the District does apply for those grants, but did not receive any grants in the last round for

Proposition 50 funds. He noted that the District has received some grant funding in previous years.

It was discussed that, as Director Robak noted, the agencies also need to examine the cost of wholesale water as the local agencies continue to diversify. San Diego County is paying for 25% of the cost of MWD's four (4) water treatment plants which are running at 25% of capacity. General Manager Watton noted that CWA is responding to this issue, but MWD is not taking the diversification into consideration.

Senior Civil Engineer Beppler indicated that the IRP does reflect the diversification that CWA has accomplished over the last few years.

b) UPDATE ON FEASIBILITY OF IPR/DPR - RALPH W. CHAPMAN WATER RECYCLING FACILITY PURIFICATION PLANT TO SWEETWATER RESERVOIR TECHNICAL NOTE (BEPPLER)

Senior Civil Engineer Beppler provided a report on the feasibility of IPR/DPR at the Ralph W. Chapman Water Reclamation Facility (RWCWRF) purification plant which would provide IPR/DPR water through the Sweetwater Reservoir for potable water production. Please reference the Committee Action notes attached to staff's report (Attachment A) for the details of Mr. Beppler's report.

Director Smith indicated that the Engineering Operations and Water Resources Committee reviewed this project and it is important to note that the District is looking at new technologies and, at this time, such a project is not cost feasible as the sewer flow is too small and too erratic and it would be costly to dispose of the brine from the treatment process to warrant pursuing as a supply source.

In response to an inquiry from Director Robak, Senior Civil Engineer Beppler indicated that when you have a hydraulic retention time of less than six (6) months before water is pulled, then it is DPR.

Director Thompson indicated the question is how much subsidy (grants) it would take to make this project feasible. He indicated that until the District acquires some subsidies that would make the project viable, the project will be shelved.

Director Croucher indicated that he feels that the District has thought outside the box to identify reliable and quality water at an affordable/accessible price for the District's customers. Some of the ideas/projects that the District has researched have worked out well and some have not. He stated there is a balance between the cost of water and the push to conserve water because if customers conserve too much, one (1) gallon of water would become very costly and would be beyond the public's ability to purchase water. He thanked staff for the report as it educates them on the process.

President Thompson inquired if the District received a grant that provided full subsidy for the cost, would the project be competitive. Director Smith indicated in

his experience it is very difficult to get even up to 50% funding. You may get perhaps 25% funding from the Department of Water Resources and possibly 10% funding through Proposition 50. None of the grants provide for operations and maintenance costs.

## REPORTS

### 11. GENERAL MANAGER'S REPORT

#### General Manager's Report

General Manager Watton introduced Ms. Tenille Otero who is the District's new Communications Officer. He noted that she joins the District from CWA where she worked for 14 to 15 years. He also presented information from his report which included the implementation of the Tyler Cashiering Solution, fiscal year-end audit, Rosarito Desalination Project, and the District's customers' water conservation level.

Director Robak inquired when the letter from the Surfrider Foundation and Wildcoast regarding the District Otay Mesa Conveyance and Disinfection Project was received. General Manager Watton responded approximately a week or so ago. He indicated that staff will provide copies to the board.

In response to an inquiry with regard to the Rancho San Diego Basin Sewer Rehabilitation Project from Director Smith, Chief of Engineering Posada indicated that the contractor insists that they prefer to have one crew as it is hard to manage a project when there is more than one crew working on the project. He indicated that the contractor does acknowledge that they are late on the project. Staff has been keeping customers updated on the project's status and there have been no complaints from customers. He stated that staff is continuing to work with the contractor to complete the project.

#### CWA Report

General Manager Watton indicated that Director Croucher has been nominated for the position of Secretary to CWA's board. He indicated that Mr. Mark Muir from the City of Encinitas will be the incoming Chair. Director Croucher added that CWA representatives visited Sacramento to meet with legislators to discuss the past and future specific to the water restrictions. They also discussed who the proper representatives were for California on issues concerning the Bay Delta and Colorado River as there has been some disagreement on the matter of representation. He indicated that CWA and the San Diego Chamber of Commerce representatives will also travel to Washington, D.C. to meet with legislators to discuss water issues. He shared that Mr. Frank Belock, CWA's Deputy General Manager, has retired and that CWA does not plan on replacing his position. He lastly indicated that there is a new website on water which is sponsored and developed by CWA. The site can be visited from a link on CWA's website.

Director Lopez inquired if the CWA video, "To Quench a Thirst," has been integrated into the District's website. He asked that the District do so if it has not. Staff indicated that they would do so.

## 12. DIRECTORS' REPORTS/REQUESTS

Director Robak indicated that a couple weeks ago the District's website was down for a whole day. He asked if the District tracks how often the website is down. Chief of Administration Adolfo Segura indicated that the District does monitor this. Staff has checked the logs and the District's provider did have some issues in propagating the DNS (Domain Name Server). However, the reports indicate that it was only intermittent. He stated that the District receives alerts 24 hours a day and the alerts are monitored by staff. Director Robak also shared that he read an article about Israel. He indicated that their desalination plant is producing more water than their Country's needs that they now sell the excess water to Jordan.

Director Lopez indicated that the Metro Commission has canceled their last two (2) meetings. He inquired if they were still holding their Metro TAC meetings. Engineering Manager Bob Kennedy indicated that they are holding those meetings. He also reported that he attended the District's board and committee meetings and agenda briefing meetings with General Manager Watton. He lastly indicated that he has served on the District's board for 16 years now and he has witnessed the growth, progress and the quality of staff that has been recruited. He indicated that he would like to see the purchase of desalinated water from Mexico's Rosarito Desalination Project through fruition and plans to run again for his seat in November.

Director Smith reported that he attended the District's committee and board meetings this past month.

## 13. PRESIDENT'S REPORT

President Thompson presented his report on meetings he attended during the month of July 2016 (his report is attached). He noted that he distributed an updated *Board Member Organizational and Committee Appointments* list and it includes a new Ad Hoc Committee (Ad Hoc City of San Diego Matters Committee) which was suggested during the closed session discussion at the July board meeting. The committee will deal with the matters with the City of San Diego. He also shared that he too plans to seek reelection to his seat in November.

## 14. ADJOURNMENT

With no further business to come before the Board, President Thompson adjourned the meeting at 5:04 p.m.

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President

ATTEST:

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District Secretary

**President's Report**  
**July 6, 2016 Board Meeting**

**A) Meetings attended during the Month of June 2016:**

- 1) **June 1: OWD Regular Board Meeting**
- 2) **June 8: Attended a meeting of the Water Conservation Garden JPA.**
- 3) **June 9: Attended the City of Chula Vista Development Forum**
- 4) **June 16: Met with City of Chula Vista City Manager, Gary Halbert.** Discussed items mutual to both the City and the District and provided an update on District issues.  
Attendee: General Manager Watton
- 5) **June 17: Committee Agenda Briefing.** Met with General Manager Watton to review items that will be presented at the June committee meetings.
- 6) **June 22: Attended the District's Finance, Administration and Communications Committee.** Reviewed, discussed, and made recommendation on items that will be presented at the July board meeting.
- 7) **June 27: Met with Water Conservation Garden JPA Members and Executive Director.** Discussed future funding of the WCG.
- 8) **June 29: Met with Sweetwater Authority.** Discussed issues for the City of Chula Vista Interagency Task Force.  
Attendees: Director Smith and General Manager Watton.

# AGENDA ITEM 4

## MINUTES OF THE BOARD OF DIRECTORS MEETING OF THE OTAY WATER DISTRICT September 7, 2016

1. The meeting was called to order by President Thompson at 3:34 p.m.

2. ROLL CALL

Directors Present: Croucher, Lopez, Robak, Smith and Thompson

Staff Present: General Manager Mark Watton, General Counsel Daniel Shinoff, Asst. General Manager German Alvarez, Chief of Engineering Rod Posada, Chief Financial Officer Joe Beachem, Chief of Administration Adolfo Segura, Chief of Operations Pedro Porras, Asst. Chief of Operations Jose Martinez, District Secretary Susan Cruz and others per attached list.

3. PLEDGE OF ALLEGIANCE

4. APPROVAL OF AGENDA

A motion was made by Director Croucher, and seconded by President Thompson and carried with the following vote:

Ayes: Directors Croucher, Lopez, Robak, Smith and Thompson  
Noes: None  
Abstain: None  
Absent: None

to approve the agenda.

5. APPROVE THE MINUTES OF THE REGULAR BOARD MEETING OF JULY 6, 2016

A motion was made by President Thompson, seconded by Director Croucher to approve the minutes of the July 6, 2016 board meeting. District Secretary Susan Cruz indicated that she wished to note that on page four (4) of the minutes there were a couple of corrections to the minutes which Director Smith had brought to her attention. The corrections are indicated in a strike-thru copy of the minutes which has been placed on the dias for each director.

Director Smith indicated that he also wished to clarify his comments in the last paragraph of page three (3) of the minutes. He indicated that the intent of his comment was for the District to look if there was any possibility of using the potable water meter to cover the capacity fee for both the potable and recycled meters, thus, reducing the cost to the District of the \$1.3 million in potable

capacity fees the District would be required to pay to the San Diego County Water Authority (CWA). He stated that he believes that Engineering Manager Dan Martin had indicated that the capacity of the meters are generally very close to the need of the property (so there would likely not be extra capacity on the existing potable meter). However, it is something he would like staff to research should there be a possibility that the District could find some savings in the capacity fees that would have to be paid to CWA.

Director Thompson amended his motion to approve the minutes of July 6, 2016 to include the underline and strike-thru copy of page 4 of the proposed minutes which were provided to the board. Director Croucher accepted the amendment and seconded the motion. The motion carried with the following vote:

Ayes: Directors Croucher, Lopez, Robak, Smith and Thompson  
Noes: None  
Abstain: None  
Absent: None

6. PUBLIC PARTICIPATION – OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO SPEAK TO THE BOARD ON ANY SUBJECT MATTER WITHIN THE BOARD'S JURISDICTION BUT NOT AN ITEM ON TODAY'S AGENDA

Mr. Larry Olds of El Cajon indicated that he retired from the Otay Water District with 20 years of service. He stated that he resides within division five (5) and is represented by Director Robak on the Board of Directors. He indicated that before he made his remarks, he wished to note that September is *National Childhood Cancer Awareness Month* and the month is dedicated to assisting children with cancer. He then shared his concern that Director Robak did not serve on any of the District's committees with the exception of the District's Ad Hoc Optimization Committee. He inquired why his board representative did not serve on any District standing committees and felt that he was not being well represented with his representative not being on a committee.

Director Croucher indicated that he wished to donate his per diem for today's meeting to the cancer foundation named in memory of Mr. Olds' granddaughter, the Kylie Rowand Foundation.

Director Robak noted that Mr. Olds lost his two (2) year old granddaughter, Kylie Rowand, to cancer and Grossmont High School student, Bryan Wilcox recently lost his battle to cancer as well.

PUBLIC HEARING

7. PUBLIC HEARING ON THE FINAL ENVIRONMENTAL IMPACT REPORT/FINAL ENVIRONMENTAL IMPACT STATEMENT FOR THE DISTRICT'S OTAY MESA CONVEYANCE AND DISINFECTION SYSTEM PROJECT

THE BOARD WILL BE HOLDING A PUBLIC HEARING TO CONSIDER CERTIFYING THE FINAL ENVIRONMENTAL IMPACT REPORT/FINAL ENVIRONMENTAL IMPACT STATEMENT (FINAL EIR/EIS) FOR THE DISTRICT'S OTAY MESA CONVEYANCE AND DISINFECTION SYSTEM PROJECT. THE BOARD INVITES THE PUBLIC TO PROVIDE COMMENTS ON THE REPORT.

- a) CERTIFY THAT THE FINAL EIR/EIS FOR THE DISTRICT'S OTAY MESA CONVEYANCE AND DISINFECTION SYSTEM PROJECT HAS BEEN COMPLETED IN COMPLIANCE WITH THE CALIFORNIA ENVIRONMENTAL QUALITY ACT, THE CURRENT STATE GUIDELINES, AND THE DISTRICT'S LOCAL GUIDELINES, AND THAT IT REFLECTS THE INDEPENDENT JUDGMENT OF THE DISTRICT; FIND THAT THE POTENTIALLY SIGNIFICANT EFFECTS OF THE PROJECT WILL BE AVOIDED THROUGH THE ADOPTION OF FEASIBLE MITIGATION MEASURES, AS SHOWN IN THE FINAL EIR/EIS AND THE MITIGATION, MONITORING AND REPORTING PROGRAM FOR THE FINAL EIR/EIS; AND APPROVE THE FINDINGS AND THE STATEMENT OF OVERRIDING CONSIDERATIONS FOR THE PROJECT

Environmental Compliance Specialist Lisa Coburn-Boyd indicated that staff is requesting that the Board certify that the Final Environmental Impact Report/Final Environmental Impact Statement (Final EIR/EIS) for the District's Otay Mesa Conveyance and Disinfection System Project (Project) has been completed in compliance with the California Environmental Quality Act, the current State guidelines, and the District's Local Guidelines, and that it reflects the independent judgement of the District. Additionally, staff requests the approval of the Mitigation, Monitoring and Reporting Program, and the Findings and the Statement of Overriding Considerations for the Project. Please reference the Committee Action notes attached to staff's report (Attachment A) for the details of Ms. Coburn-Boyd's report.

### PUBLIC HEARING

President Thompson opened the public hearing at 3:55 p.m. Ms. Fay Crevoshay representing Wildcoast requested to speak. Ms. Crevoshay indicated that her organization is a binational conservation organization that works in both the United States and Mexico. She stated that her organization opposes the District's Project and is puzzled that the Otay WD is considering importing water from a desalination plant that will take its water from the most polluted beach in Baja California. Her organization feels that all would be in a better position if the sewer water being released to the ocean was treated and reused first. If additional water was needed then the desalination plant could be considered.

President Thompson thanked Ms. Crevoshay for her comments. There were no other requests to speak. The public hearing was closed at 4:03 p.m.

## DISCUSSION

General Manager Watton observed that none of Ms. Crevoshay's comments relate to the District's Final EIR/EIS or the Project and stated that this was also addressed in the letter responding to the San Diego Chapter of the Surfrider Foundation's and Wildcoast's concerns. He offered to meet with Ms. Crevoshay to discuss some of the items she spoke of today.

Ms. Coburn-Boyd indicated that the District understands that Wildcoast and Surfrider would like to see the wastewater released from Mexico's treatment plant reused, but the reuse of that water is not related to the District's project. Ms. Coburn-Boyd also noted that the District is complying with all the requirements of the California Environmental Quality Act (CEQA).

The board discussed the concerns expressed by Ms. Crevoshay and it was indicated that there would be ridged water quality standards, as required by the State of California, on the water purchased from the Rosarito Desalination Plant and the plant would also be included in the District's Water Quality Report (Consumer Confidence Report) published yearly. The report lists the District's water resources and the results of the water testing on those supplies. It was also discussed that the Desalination Project is an important potential project for the region as we work to diversify our water supply resources.

A motion was made by President Thompson, seconded by Director Croucher and carried with the following vote:

Ayes: Directors Croucher, Lopez, Robak, Smith and Thompson  
Noes: None  
Abstain: None  
Absent: None

to approve staff's recommendation.

## CONSENT CALENDAR

8. ITEMS TO BE ACTED UPON WITHOUT DISCUSSION, UNLESS A REQUEST IS MADE BY A MEMBER OF THE BOARD OR THE PUBLIC TO DISCUSS A PARTICULAR ITEM:

President Thompson pulled items 7f, ADOPT ORDINANCE NO. 558 AMENDING SUBDIVISION "E" OF SECTION 2.01 OF THE DISTRICT'S CODE OF ORDINANCES TO ESTABLISH THE GENERAL MANAGER'S SIGNATORY AUTHORITY AT \$125,000, for discussion.

A motion was made by Director Smith, seconded by Director Croucher and carried with the following vote:

Ayes: Directors Croucher, Lopez, Robak, Smith and Thompson

Noes: None  
Abstain: None  
Absent: None

to approve the following consent calendar items:

- a) ADOPT RESOLUTION NO. 4313 AMENDING POLICY NO. 21 OF THE DISTRICT'S CODE OF ORDINANCES TO REDEFINE THE FEE LIMITS FOR MINOR PROJECTS OF LESS THAN \$50,000 AND ADD CLARIFYING LANGUAGE FOR EXISTING PRACTICES WITH RESPECT TO PROFESSIONAL CONSULTING SERVICES
- b) ADOPT RESOLUTION NO. 4315 ELECTING THAT THE DISTRICT BE SUBJECT TO THE CALIFORNIA UNIFORM PUBLIC CONSTRUCTION COST ACCOUNTING ACT (CUPCCAA) PROCEDURES AND ADOPTING BOARD OF DIRECTORS POLICY NO. 53, INFORMAL BIDDING PROCEDURES UNDER THE CUPCCAA; AND AMEND SECTION 7 PRICING/BIDDING REQUIREMENTS OF THE OTAY WATER DISTRICT PURCHASING MANUAL
- c) ADOPT ORDINANCE NO. 557 AMENDING THE APPENDIX OF SECTION 6, CONFLICT OF INTEREST CODE (COIC), CONTAINED WITHIN THE DISTRICT'S CODE OF ORDINANCES TO UPDATE THE POSITION TITLES REQUIRED TO FILE A FORM 700 AND TO INCLUDE LANGUAGE IN SECTION 6.02 WHICH WILL ALLOW THE GENERAL MANAGER OR HIS DESIGNEE TO DESIGNATE POSITIONS TO BE INCLUDED IN THE COIC'S APPENDIX AT ANY TIME BETWEEN THE BIENNIAL REVIEW PERIODS
- d) ADOPT RESOLUTION NO. 4311 TO UPDATE BOARD POLICY NO. 19, SMOKING, TOBACCO, AND NICOTINE FREE CAMPUS, DUE TO RECENT LEGISLATION EXPANDING THE WORKPLACE PROHIBITION AGAINST SMOKING INCLUDING ELECTRONIC CIGARETTES
- e) RATIFY THE EMERGENCY CONTRACTED WORK PERFORMED BY KIRK PAVING FOR THE GREENVIEW DRIVE MAIN BREAK REPAIR

President Thompson presented item 7f for discussion:

- f) ADOPT ORDINANCE NO. 558 AMENDING SUBDIVISION "E" OF SECTION 2.01 OF THE DISTRICT'S CODE OF ORDINANCES TO ESTABLISH THE GENERAL MANAGER'S SIGNATORY AUTHORITY AT \$125,000

Director Smith indicated that he was interested in understanding what items would not be forwarded for the board's consideration if the General Manager's signatory authority was increased to \$125,000 and commented that this would be a long term decision for the board and if General Manager Watton were to retire,

he felt concerned in providing this level signatory authority to the new General Manager. He made a motion to adopt Ordinance No. 558 amending subdivision "E" of section 2.01 of the District's Code of Ordinances to establish the General Manager's signatory authority at \$75,000. The motion was seconded by Director Croucher.

There was discussion that the delegated authority was for efficiency purposes and the board has the discretion to withdraw or adjust the authority at any time. It was suggested that contracts the General Manager approves under his authority could be reported in the General Manager's monthly report to the board.

Director Smith's motion, seconded by Director Croucher was carried with the following vote:

Ayes: Directors Croucher, Lopez, Robak, Smith and Thompson  
Noes: None  
Abstain: None  
Absent: None

to adopt Ordinance No. 558 amending subdivision "E" of section 2.01 of the District's Code of Ordinances to establish the general manager's signatory authority at \$75,000:

## ACTION ITEMS

### 9. ENGINEERING AND WATER OPERATIONS

- a) APPROVE THE CONTINUANCE OF THE TEMPORARY MORATORIUM ON THE INSTALLATION OF NEW RECYCLED WATER FACILITIES ON OTAY MESA FOR A PERIOD OF ONE YEAR TO JULY 2017

Engineering Manager Martin indicated that this item provides a recommendation to continue the temporary moratorium on the installation of new recycled water facilities in the Otay Mesa area for a period of one (1) year to July 2017. He indicated that this item was last heard at the July 6, 2016 board meeting where staff presented an update of the factors, including the Otay Mesa recycled water financial analysis, which supported staff's recommendation at that meeting to place a permanent moratorium on the installation of new recycled water facilities in the Otay Mesa area. The factors included the cost of supply, infrastructure costs, recycled water demand and the expiration of recycled water incentives. Please reference the Committee Action notes attached to staff's report (Attachment A) for the details of Mr. Martin's report.

Mr. Martin noted that on the dias for each member of the board is a letter from the East Otay Mesa Property Owners' Association voicing support and the reasons for their support of staff's recommendation to extend the temporary moratorium for an additional year.

A motion was made by President Thompson, seconded by Director Smith and carried with the following vote:

Ayes: Directors Croucher, Lopez, Robak, Smith and Thompson  
Noes: None  
Abstain: None  
Absent: None

to approve staff's recommendation.

10. BOARD

a) DISCUSSION OF THE 2016 BOARD MEETING CALENDAR

There were no changes to the board meeting calendar.

INFORMATIONAL ITEM

11. THE FOLLOWING ITEMS ARE PROVIDED TO THE BOARD FOR INFORMATIONAL PURPOSES ONLY. NO ACTION IS REQUIRED ON THE FOLLOWING AGENDA ITEMS:

a) FISCAL YEAR 2016 YEAR-END REPORT FOR THE DISTRICT'S FISCAL YEAR 2015-2018 STRATEGIC PLAN

Chief of Administrative Services Adolfo Segura presented the Fiscal Year-End 2016 Strategic Plan Report. Please reference the Committee Action notes attached to staff's report (Attachment A) for the details of Mr. Segura's report.

There was discussion concerning the target for the measure, water use per capita per day, that staff will be researching what would be an appropriate target and would have a recommendation by the mid-year update report which is scheduled to occur in March 2017. Director Croucher requested that staff include the board in the process of determining the District's target for per capita water use per day as it could have an impact on water rates.

b) FOURTH QUARTER OF FISCAL YEAR 2016 CAPITAL IMPROVEMENT PROGRAM UPDATE

Engineering Manager Dan Martin provided an update on the District's fourth quarter of FY 2016 Capital Improvement Program. He indicated that the FY 2016 budget is divided into 80 projects totaling \$11.8 million. The overall expenditures through the fourth quarter are \$10.6 million which is approximately 90% of the FY 2016 budget. Please reference the Committee Action notes attached to staff's report (Attachment A) for the details of Mr. Martin's report.

In response to an inquiry from Director Robak, Mr. Martin indicated with regard to the reservoir coatings, they have a projected life of between 15 and 20 years.

Staff closely monitors and inspects the tanks and, in general, the projected life of the coatings have been close to the actuals.

## REPORTS

### 12. GENERAL MANAGER'S REPORT

#### General Manager's Report

General Manager Watton presented information from his report which included the Cal-Card oversight system, the annual employee recognition luncheon scheduled on October 12, changes to the health care benefit premium rates, potable and recycled water sales, an update on the City of San Diego's Pure Water Project cost allocation, the Air Pollution Control District inspections, and water testing for lead and copper.

#### CWA Report

Director Croucher reported that the CWA board closed nominations for the officers of the board. He indicated that Mr. Mark Muir from the City of Encinitas was nominated Chair, Mr. Jim Madaffer from the City of San Diego was nominated Vice Chair, and he was nominated Secretary. He stated that his nomination to the office of Secretary would provide Otay WD input into the leadership which will start with the board member appointments to Committees. He stated that there is concern on CWA's board with the project on energy and CWA's ability to opt out. They want to assure that this issue is addressed. Another issue that is being discussed at CWA is the Carlsbad desalination plant's intake and the newly implemented regulations that focus not only on saving fish, but also saving fish eggs and larvae. This will require additional funding to address this intake issue. He also shared that CWA has linked to their website the, "Live Water Smart," website. He lastly reported on the lawsuit with MWD that there was a motion to move the proceedings out of San Francisco and move the proceedings to another location. The motion was denied.

### 13. DIRECTORS' REPORTS/REQUESTS

Director Croucher reported on the Pointe Fire that occurred in Spring Valley on August 18, 2016. He indicated that he spoke with General Manager Watton during the fire and was able to provide him an update. He stated that the neighboring homes benefited from the District's access road to the reservoir because it created a barrier. He stated that the good things that Otay WD does goes beyond delivering water sometimes.

Director Smith reported that besides the regular committee and board meetings that he attends, he attended with President Thompson the initial meeting of the Ad Hoc City of San Diego Matters Committee on August 1, 2016.

Director Robak indicated that he attended the Albondigas South County meeting on September 2, 2016 where Assemblywoman Lorena Gonzalez was speaking. He also shared that he met Mr. José Cerda, a new director at Sweetwater Authority.

Director Lopez indicated that along with the regular committee and board meetings that he attends, he attended a meeting of the Desalination Project Committee on August 29, 2016. He also shared that he attended Casa Familiar's Abrazo where a farewell was bid to Ms. Andrea Skorepa the organization's Executive Director who would be retiring. He stated that she was a strong supporter of the District's opposition to the City of San Diego's proposed recycled water rate increase and she brought together community members to voice their opposition as well. He indicated that the District has also been meeting with elected officials and community members to answer their questions and concerns regarding the District's Otay Mesa Conveyance and Disinfection System Project.

14. PRESIDENT'S REPORT

President Thompson presented his report on meetings he attended during the month of August 2016 (his report is attached).

15. CLOSED SESSION

The board recessed to closed session at 5:38 p.m. to discuss the following matters:

- a) CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION  
Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Section 54956.9:

1 CASE

- b) CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION  
[GOVERNMENT CODE §54956.9]

THE AFFORDABLE HOUSING COALITION OF SAN DIEGO v. SANDOVAL;  
CASE NO. 34-2012-80001158-CU-WM-GDS

The board reconvened at 6:12 p.m. and General Counsel Shinoff reported that the board met in closed session and took no reportable actions.

16. ADJOURNMENT

With no further business to come before the Board, President Thompson adjourned the meeting at 6:12 p.m.

---

President

ATTEST:

---

District Secretary

**President's Report**  
**September 7, 2016 Board Meeting**

**A) Meetings attended during the Month of August 2016:**

- 1) **August 1: Attended a meeting of the District's Ad Hoc City of San Diego Matters Committee.** Attendees: Director Smith, General Manager Watton, Attorney Jeanne Blumenfeld.
- 2) **August 3: OWD Regular Board Meeting**
- 3) **August 11: Attended the East Otay Mesa Property Owners Association and Otay Mesa Property Owners Association Meeting.** Discussed the Recycled Water Temporary Moratorium in Otay Mesa. Attendees: General Manager Watton and Communications Officer Otero
- 4) **August 12: Committee Agenda Briefing.** Met with General Manager Watton to review items that will be presented at the August committee meetings.
- 5) **August 18: Attended the CSDA Quarterly Dinner Meeting.** Dr. Steve Albrecht presented on **Lessons Learned: 25 Years in Workplace Violence Prevention.** Attendees: General Manager Watton, Communications Officer Otero, District Secretary Cruz and Sr. Confidential Executive Secretary Ramos-Krogman.
- 6) **August 23: Attended the District's Finance, Administration and Communications Committee.** Reviewed, discussed, and made recommendation on items that will be presented at the September board meeting.
- 7) **August 29: Attended the District's Desalination Project Committee.** Reviewed, discussed, and made recommendation on items that will be presented at the September board meeting.
- 8) **September 2: Board Agenda Briefing.** Met with General Manager Watton and Attorney Jeanne Blumenfeld to review items that will be presented at the September 7 Board Meeting.

# AGENDA ITEM 6a



## STAFF REPORT

|               |   |               |                                |
|---------------|---|---------------|--------------------------------|
| TYPE MEETING: | Regular Board   | MEETING DATE: | October 5, 2016                |
| SUBMITTED BY: | Dan Martin<br>Engineering Manager   | PROJECT:      | P2267- DIV.NO. 3 & 5<br>001103 |
| APPROVED BY:  | <input checked="" type="checkbox"/> Rod Posada, Chief, Engineering<br><input checked="" type="checkbox"/> German Alvarez, Assistant General Manager<br><input checked="" type="checkbox"/> Mark Watton, General Manager |               |                                |
| SUBJECT:      | Award of a Construction Contract to Underground Pipeline Solutions, Inc. for the 36-Inch La Presa Air-Vacuum Valve Relocations Project  |               |                                |

### **GENERAL MANAGER'S RECOMMENDATION:**

That the Otay Water District (District) Board of Directors (Board) award a construction contract to Underground Pipeline Solutions, Inc. (UPSI) and to authorize the General Manager to execute an agreement with UPSI for the 36-Inch La Presa Air-Vacuum Valve Relocations Project in an amount not-to-exceed \$157,315 (see Exhibit A for Project locations).

### **COMMITTEE ACTION:**

Please see Attachment A.

### **PURPOSE:**

To obtain Board authorization for the General Manager to enter into a construction contract with UPSI in an amount not-to-exceed \$157,315 for the 36-Inch La Presa Air-Vacuum Valve Relocations Project (Project).

### **ANALYSIS:**

The District owns and operates the 36-inch mortar lined and coated steel main which is located in Jamacha Boulevard and in State Route

94, as shown in Exhibit A. The main, which was constructed in 1986, conveys potable water from San Diego County Water Authority Flow Control Facility 11 to the North District.

The existing potable air-vacuum valves that support the 36-inch main are within vaults. Five (5) of the six (6) vaults are located in the traveled way shoulders of Jamacha Road and State Route 94. The sixth air-vacuum valve is located within a vault at the District's Regulatory site. The purpose of this Project is to relocate the air-vacuum valves to a location that is out of the traveled way and to raise the air-vacuum appurtenances out of the existing vaults and above the existing grade. The relocations will improve the operability and maintainability of these air vacuum valves by: reducing staff's exposure to traffic and mitigating confined space associated with the vaults by raising the air vacuum valves. The Project will also address concerns associated with the existing air vacuum valves located in potentially flooded vaults during a main break.

The award of the construction contract to UPSI includes the relocation of the six (6) air-vacuum valves, including traffic control, excavation, and restoration of the roadway and site improvements.

Staff prepared the contract documents in-house together with assistance from the District's As-Needed Engineering Consultant. The Project was advertised for bid on July 12, 2016 using BidSync, an online bid solicitation website. The Project was also advertised in the Daily Transcript. BidSync provided electronic distribution of the Bid Documents, including specifications, plans, and addendums. Staff performed outreach to more than twenty-five (25) contractors, notifying them of the contracting opportunity and encouraging them to register with BidSync as included in the District's advertisement and in the District's website.

A Pre-Bid Meeting was held on July 21, 2016, which was attended by two (2) contractors. One (1) addendum was sent out to all bidders using BidSync on July 22, 2016 to address questions asked during the bidding period and modify the Bid-Proposal form to add an Agency Permit Fees allowance item in response to a bidder's question. The allowance amount for the Agency Permit Fees item included in Addendum No. 1 was a preset amount of \$2,000.00 established by the District and did not require the bidders to develop a bid for that item. Bids were publicly opened on August 2, 2016, with the following results:

|   | <b>CONTRACTOR</b>   | <b>TOTAL BID AMOUNT</b> |
|---|---|-------------------------|
| 1 | Underground Pipeline Solutions, Inc.<br>Alpine, CA                    | \$155,315.00            |
| 2 | Ahrens Mechanical<br>San Diego, CA                                    | \$230,870.00            |
| 3 | Piperin Corporation<br>Vista, CA                                      | \$165,200.00            |
| 4 | California Building Evaluation &<br>Construction, Inc.<br>Anaheim, CA | \$211,470.00            |

The Engineer's Estimate is \$175,000.

The evaluation process included reviewing all bids submitted for conformance to the contract documents. During the review of the bids, it was discovered that UPSI, the apparent low bidder, did not use the updated Bid List Bid Proposal Form included in Addendum No. 1. As a result, the bid submitted by UPSI did not include the Agency Permit Fees allowance item established by the District in the amount of \$2,000.00. All other aspects of the bid submitted by UPSI were in conformance with the contract documents. UPSI did acknowledge Addendum No. 1 as part of their bid package. As noted above, the Agency Permit Fees allowance item included in Addendum No. 1 was a preset amount established by the District and did not require the bidders to develop a bid for that item. When the allowance item was added to the bid submitted by UPSI, UPSI remained the apparent low bidder, as noted in the table below.

|   | <b>CONTRACTOR</b>   | <b>TOTAL BID AMOUNT</b> | <b>ADJUSTMENT FOR AGENCY PERMIT FEES ALLOWANCE</b> | <b>ADJUSTED TOTAL BID AMOUNT</b> |
|---|---|-------------------------|--|----------------------------------|
| 1 | Underground Pipeline Solutions, Inc.<br>Alpine, CA                    | \$155,315.00            | \$2,000.00   | \$157,315.00                     |
| 2 | Ahrens Mechanical<br>San Diego, CA                                    | \$230,870.00            | Included in bid                                    | \$230,870.00                     |
| 3 | Piperin Corporation<br>Vista, CA                                      | \$165,200.00            | Included in bid                                    | \$165,200.00                     |
| 4 | California Building Evaluation &<br>Construction, Inc.<br>Anaheim, CA | \$211,470.00            | Included in bid                                    | \$211,470.00                     |

Staff's review has concluded that the missing Agency Permit Fees allowance from UPSI's bid is a minor bid irregularity that when added did not change the outcome of the bid results. As such, staff has determined that UPSI is the lowest responsive and responsible bidder.

UPSI holds a Class A Contractor's License which expires on March 31, 2018. Staff checked the references provided with UPSI's bid indicating a good performance record on similar past projects. The proposed Project Manager has experience in San Diego County on similar projects and received good references. A background search of the company was performed via the internet and revealed no outstanding issues. UPSI submitted the Company Background and Company Safety Questionnaires, as required by the Contract Documents.

Staff verified that the bid bond provided by the State National Insurance Company, Inc. is valid. Once UPSI signs the contract, they will furnish the performance bond and labor and materials bond. Staff will verify both bonds prior to executing the contract.

**FISCAL IMPACT:**             Joe Beachem, Chief Financial Officer

The total budget, as approved in the FY 2017 budget, is \$735,000 for CIP P2267. Total expenditures, plus outstanding commitments and forecast, including this contract, is \$716,497. See Attachments B for budget details.

Based on a review of the financial budgets, the Project Manager anticipates that the budget for CIP P2267 is sufficient to support the Project.

Finance has determined that, under the current rate model, 100% of the funding will be available from the Betterment Fund.

**STRATEGIC GOAL:**

This Project supports the District's Mission statement, "To provide high value water and wastewater services to the customers of the Otay Water District in a professional, effective, and efficient manner" and the General Manager's Vision, "A District that is at the forefront in innovations to provide water services at affordable rates, with a reputation for outstanding customer service."

**LEGAL IMPACT:**

None.

DM/RP:jf

P:\WORKING\CIP P2267 36-Inch La Presa Air-Vac Relocations\Staff  
Reports\BD 10-05-16 Staff Report - Construction Contract Award to  
Underground Pipeline Solutions.docx

Attachments: Attachment A - Committee Action  
Attachment B - Budget Detail P2267  
Exhibit A - Location Map



## ATTACHMENT A

|   |  |
|---|--|
| <b>SUBJECT/PROJECT:</b><br>P2267-001103 | Award of a Construction Contract to Underground Pipeline Solutions, Inc. for the 36-Inch La Presa Air-Vacuum Valve Relocations Project |
|---|--|

### COMMITTEE ACTION:

The Engineering, Operations, and Water Resources Committee (Committee) reviewed this item at a meeting held on September 15, 2016, and the following comments were made:

- Staff recommended that the Board award a construction contract to Underground Pipeline Solutions, Inc. (UPSI) and to authorize the General Manager to execute an agreement with UPSI for the 36-Inch La Presa Air-Vacuum Valve Relocations Project in an amount not-to-exceed \$157,315.
- Staff discussed the analysis and benefits of the Project and noted that the purpose of the Project is to relocate the air-vacuum valves to a location that is out of the traveled way and to raise the air-vacuum appurtenances out of the existing vaults and above the existing grade.
- Staff discussed the selection process and indicated that the results of the process are shown in the table at the top of page 3 of the staff report. It was highlighted that during the review of the bids, it was discovered that UPSI did not use the updated Bid List Bid Proposal Form included in Addendum No. 1. As a result, UPSI's bid did not include the Agency Permit Fee allowance item established by the District in the amount of \$2,000. However, all other aspects of the bid submitted by UPSI were in conformance with the contract documents.
- Staff noted that UPSI did acknowledge Addendum No. 1 and when the allowance item was added to their bid, the company remained the apparent low bidder as noted in the second table shown on the bottom of page 3 of the staff report.
- Staff concluded that the missing Agency Permit Fee allowance from UPSI's bid was a minor bid irregularity that when added, it did not change the outcome of the bid results. As such, staff

determined that UPSI is the lowest responsive and responsible bidder.

- In response to comments and a question from the Committee, staff stated that the Project involves six (6) isolated construction sites and the project is not linear in nature (See Exhibit A for Project Locations); therefore, staff anticipates little impact to the pavement surface within the Project.
- In response to a question from the Committee, staff stated that there have been no problems in the past with maintaining the project sites. However, the Project is more of a strategic move that will improve the safety of District staff by reducing their exposure to traffic while operating and maintaining the air-vacuum valves. The Project will also mitigate confined space associated with the vaults by raising the valves above grade.
- The Committee inquired if staff had any concerns with the air-vacuum valves getting damaged by errant vehicles. Staff stated that the response to a damaged air-vacuum would be treated in a similar manner to a damaged fire hydrant whereas a control valve would be at the site to shut off the lateral to avoid impacting the system and allow staff to perform necessary repairs.
- The Committee inquired if there were other locations within the District's service area that are similar to this Project. Staff stated there are a few locations that will need similar work which will be performed sometime in the future.

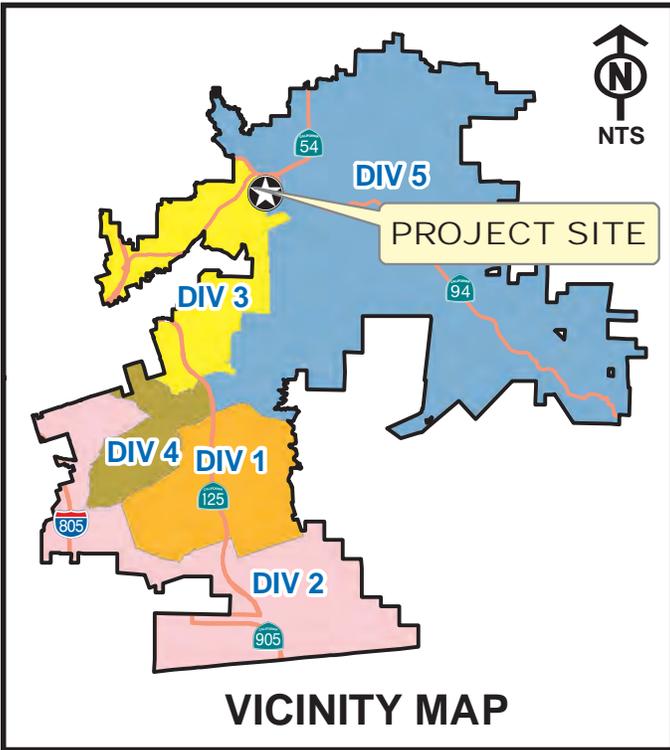
Following the discussion, the Committee supported staffs' recommendation and presentation to the full board as a consent item.



## ATTACHMENT B – Budget Detail

|                         |  |
|-------------------------|--|
| <b>SUBJECT/PROJECT:</b> | Award of a Construction Contract to Underground Pipeline Solutions, Inc. for the 36-Inch La Presa Air-Vacuum Valve Relocations Project |
| P2267-001103            |  |

| Otay Water District                           |           |              |                                   |                      | 8/29/2016                            |
|---|-----------|--------------|-----------------------------------|----------------------|--------------------------------------|
| p2267-36-Inch Main Pumpouts & Air/Vacuum Vent |           |              |                                   |                      |                                      |
| Budget  | Committed | Expenditures | Outstanding Commitment & Forecast | Projected Final Cost | Vendor/Comments                      |
| 735,000                                       |           |              |                                   |                      |                                      |
| <b>Planning</b>                               |           |              |                                   |                      |                                      |
| <b>Total Planning</b>                         | -         | -            | -                                 | -                    |                                      |
| <b>Design</b>                                 |           |              |                                   |                      |                                      |
| Consultant Contracts                          | 2,440     | 2,440        | -                                 | 2,440                | AIRX UTILITY SURVEYORS INC           |
|   | 1,280     | 1,280        | -                                 | 1,280                | EVEREST ENVIRONMENTAL INC            |
|   | 5,879     | 5,879        | -                                 | 5,879                | RICK ENGINEERING COMPANY             |
| Standard Salaries                             | 53,894    | 53,894       | -                                 | 53,894               |                                      |
| <b>Total Design</b>                           | 63,493    | 63,493       | -                                 | 63,493               |                                      |
| <b>Construction</b>                           |           |              |                                   |                      |                                      |
| Consultant Contracts                          | 8,760     | 8,760        | -                                 | 8,760                | DARNELL & ASSOCIATES INC             |
|   | 65,008    | 65,008       | -                                 | 65,008               | HDR ENGINEERING INC                  |
| Equipment Rental                              | 55        | 55           | -                                 | 55                   | TREBOR COMPANY, THE                  |
| For Ops Only - Contracted Services            | 2,022     | 2,022        | -                                 | 2,022                | KIRK PAVING INC                      |
| INFRASTRUCTURE EQUIPMENT & M                  | 1,147     | 1,147        | -                                 | 1,147                | PACIFIC PIPELINE SUPPLY              |
| Infrastructure Equipment & Supplies           | 10,923    | 10,923       | -                                 | 10,923               | FERGUSON WATERWORKS                  |
|   | 1,140     | 1,140        | -                                 | 1,140                | HD SUPPLY WATERWORKS LTD             |
|   | 152       | 152          | -                                 | 152                  | ALLIED TRENCH SHORING SERVICE        |
|   | 11,416    | 11,416       | -                                 | 11,416               | CONSUMERS PIPE & SUPPLY CO           |
|   | 748       | 748          | -                                 | 748                  | I.M.P.A.C. GOVERNMENT SERVICES       |
|   | 2,250     | 2,250        | -                                 | 2,250                | RW LITTLE CO INC                     |
|   | 1,461     | 1,461        | -                                 | 1,461                | C W MCGRATH INC                      |
|   | 397       | 397          | -                                 | 397                  | COUNTY OF SAN DIEGO - DPW            |
|   | 10,011    | 10,011       | -                                 | 10,011               | FERGUSON WATERWORKS #1082            |
|   | 1,157     | 1,157        | -                                 | 1,157                | UNITED RENTALS NORTHWEST INC         |
| MOU Meals                                     | 116       | 116          | -                                 | 116                  | PETTY CASH CUSTODIAN                 |
| OTHER AGENCY FEES                             | 593       | 593          | -                                 | 593                  | COUNTY OF SAN DIEGO                  |
| Professional Legal Fees                       | 450       | 450          | -                                 | 450                  | BURKE, WILLIAMS & SORENSEN LLP       |
| Regulatory Agency Fees                        | 1,640     | 1,640        | -                                 | 1,640                | CALTRANS                             |
| Salary Continuation Insurance                 | 250       | 250          | -                                 | 250                  | KISSINGER TRUCKING & EQUIPMENT       |
| Service Contracts                             | 5,200     | 5,200        | -                                 | 5,200                | HUDSON SAFE-T-LITE RENTALS           |
| Water Loss                                    | 668       | 668          | -                                 | 668                  |                                      |
| In-House Equipment & Inventory                | 30,808    | 30,808       | -                                 | 30,808               |                                      |
| Standard Salaries                             | 209,281   | 209,281      | 30,000                            | 239,281              |                                      |
| Fixed Asset                                   | 660       | 660          | -                                 | 660                  |                                      |
| INFRASTRUCTURE EQUIPMENT & M                  | 34        | 34           | -                                 | 34                   | COUNTY OF SAN DIEGO - DPW            |
| Conversion Cost Type                          | 44,344    | 44,344       | -                                 | 44,344               |                                      |
|   | 157,315   | -            | 157,315                           | 157,315              | Underground Pipeline Solutions, Inc. |
|   | -         | -            | 30,000                            | 30,000               | Construction Management              |
|   | -         | -            | 25,000                            | 25,000               | Contingency                          |
| <b>Total Construction</b>                     | 568,004   | 410,689      | 242,315                           | 653,004              |                                      |
| <b>Grand Total</b>                            | 631,497   | 474,182      | 242,315                           | 716,497              |                                      |



# OTAY WATER DISTRICT

36-INCH LA PRESA AIR-VACUUM VALVE RELOCATIONS PROJECT  
LOCATION MAP

CIP P2267



# AGENDA ITEM 6b



## STAFF REPORT

|               |   |               |  |
|---------------|---|---------------|--|
| TYPE MEETING: | Regular Board   | MEETING DATE: | October 5, 2016                                |
| SUBMITTED BY: | Dan Martin<br>Engineering Manager   | PROJECT:      | P2534-001103    DIV. NO. 3 & 5<br>P2544-001103 |
| APPROVED BY:  | <input checked="" type="checkbox"/> Rod Posada, Chief, Engineering<br><input checked="" type="checkbox"/> German Alvarez, Assistant General Manager<br><input checked="" type="checkbox"/> Mark Watton, General Manager |               |  |
| SUBJECT:      | Award of a Construction Contract to Blastco, Inc. for the 978-1 & 850-2 Reservoir Interior/ Exterior Coatings & Upgrades Project  |               |  |

### GENERAL MANAGER'S RECOMMENDATION:

That the Otay Water District (District) Board of Directors (Board) award a construction contract to Blastco, Inc. (Blastco) and to authorize the General Manager to execute a construction contract with Blastco for the 978-1 & 850-2 Reservoir Interior/Exterior Coatings & Upgrades Project in an amount-not-to exceed \$1,106,200 (see Exhibit A for Project location).

### COMMITTEE ACTION:

Please see Attachment A.

### PURPOSE:

To obtain Board authorization for the General Manager to enter into a construction contract with Blastco for the 978-1 & 850-2 Reservoir Interior/Exterior Coatings & Upgrades Project in an amount-not-to exceed \$1,106,200.

**ANALYSIS:**

The 978-1 Reservoir is a 0.5 million gallon (MG) steel tank originally constructed in 1959. The tank is located on Pence Drive in unincorporated El Cajon. It is one of two tanks in the 978 pressure zone. The 978-1 was last recoated in 2000 on the interior and 1996 on the exterior surfaces. The 850-2 Reservoir is a 3.1 MG steel tank originally constructed in 1973. It is one of four tanks in the 850 pressure zone. The 850-2 was last recoated on the interior and exterior surfaces in 1996.

The District's corrosion consultant, HDR, Inc. (HDR) completed a Corrosion Control Program (CCP) in 2015 that addressed the installation, maintenance, and monitoring of corrosion protection systems for the District's steel reservoirs and buried metallic piping. The CCP included a reservoir maintenance schedule that showed the 978-1 and the 850-2 Reservoirs were due to be recoated. In addition to replacing the coatings of the reservoirs, structural upgrades will be added to comply with the current American Water Works Association (AWWA) standards, and the Occupational Safety and Health Administration standards for both Federal (OSHA) and State (Cal-OSHA) levels.

An in-service internal and external inspection was completed by HDR, and the recommended coating and structural upgrades, developed with input from engineering and operations staff, are as follows: replace the coating on the interior and exterior surfaces, replace the existing level indicators, install new roof railings, install a new fall prevention device on the interior and exterior ladders, modify anode access ports, replace all anodes, replace the roof vents, relocate the existing roof hatches, install new safety cable lanyards, and added tank penetrations for chlorination and sampling. These upgrades will ensure compliance with AWWA, OSHA, and Cal-OSHA requirements as well as upgrade antiquated equipment on the tank.

The Project was advertised on August 4, 2016 on the District's website and several other publications including the San Diego Daily Journal. A Pre-Bid Meeting was held on August 17, 2016, which was attended by eight (8) contractors. Two (2) addenda were sent out to all bidders and plan houses to address questions and clarifications to the contract documents during the bidding period. Bids were publicly opened on August 25, 2016, with the following results:

|   | <b>CONTRACTOR</b>  | <b>TOTAL BID AMOUNT</b> |
|---|--|-------------------------|
| 1 | Blastco, Inc.<br>Downey, CA                              | \$1,106,200.00          |
| 2 | Advanced Industrial Services, Inc.<br>Los Alamitos, CA   | \$1,123,100.00          |
| 3 | West Coast Industrial Coatings, Inc.<br>Laguna Hills, CA | \$1,394,352.01          |
| 4 | Abhe & Svoboda, Inc.<br>Alpine, CA                       | \$1,975,156.00          |

The Engineer's Estimate is \$ 1,224,900. West Coast Industrial Coatings, Inc. submitted a bid amount of \$1,394,352.00, however, there was a mathematical error in the bid, and the corrected bid amount was \$1,394,352.01.

The evaluation process included reviewing all bids submitted for conformance to the contract documents. The lowest bidder, Blastco, submitted a responsible bid and holds a Class A Contractor's license which expires on August 31, 2017. Blastco also holds a current QP-1 certification from the Society for Protective Coatings, which was also a requirement. Staff checked references, and the response from other agencies indicated Blastco has performed excellent on similar projects. The proposed Project Manager has experience throughout California on similar projects and received excellent recommendations. The District has previously worked with Blastco on the 657-1 & 657-2 Reservoir Interior and Exterior Coating project, which was completed on time and on budget. A background search of the company was performed on the internet and revealed no outstanding issues with this company. Blastco submitted the Company Background and Company Safety Questionnaires as required by the Contract Documents. Staff verified that Blastco and their sub-contractors are registered with the Department of Industrial Relations as required by Senate Bill SB 854.

Staff has verified that the bid bond provided by The Hanover Insurance Company is valid. Once Blastco signs the contract, they will furnish the performance bond and labor and materials bond. Staff will verify both bonds prior to executing the contract.

**FISCAL IMPACT:**             Joe Beachem, Chief Financial Officer

The total budget for CIP P2534, as approved in the FY 2017 budget, is \$715,000. Total expenditures, plus outstanding commitments and forecast, are \$670,875. See Attachment B-1 for the budget detail. The total budget for CIP P2544, as approved in the FY 2017 budget, is \$1,070,000. Total expenditures, plus outstanding commitments and forecast, are \$1,022,208. See Attachment B-2 for the budget detail.

Based on a review of the financial budget, the Project Manager anticipates that the budget is sufficient to support the Project.

The Finance Department has determined that, under the current rate model, 100% of the funding will be available from the Replacement Fund.

**STRATEGIC GOAL:**

This Project supports the District's Mission statement, "To provide high value water and wastewater services to the customers of the Otay Water District in a professional, effective, and efficient manner" and the General Manager's Vision, "A District that is at the forefront in innovations to provide water services at affordable rates, with a reputation for outstanding customer service."

**LEGAL IMPACT:**

None.

DM/RD:mlc

P:\WORKING\CIP P2534 & P2544 - 978-1 & 850-2 Reservoir Int-Ext Coating\Staff Reports\10-5-16, Staff Report 978-1 & 850-2 Reservoir Coating.docx

Attachments: Attachment A - Committee Action  
Attachment B-1 - Budget Detail for P2534 (978-1)  
Attachment B-2 - Budget Detail for P2544 (850-2)  
Exhibit A - Project Location for 978-1 & 850-2



## ATTACHMENT A

|   |  |
|---|--|
| <b>SUBJECT/PROJECT:</b><br>P2534-001103<br>P2544-001103 | Award of a Construction Contract to Blastco, Inc. for the 978-1 & 850-2 Reservoir Interior/ Exterior Coatings & Upgrades Project |
|---|--|

### COMMITTEE ACTION:

The Engineering, Operations, and Water Resources Committee (Committee) reviewed this item at a meeting held on September 15, 2016, and the following comments were made:

- Staff recommended that the Board award a construction contract to Blastco, Inc. (Blastco) for the 978-1 & 850-2 Reservoir Interior/Exterior Coatings & Upgrades Project in an amount-not-to exceed \$1,106,200.
- Staff discussed an analysis of the 978-1 & 850-2 Reservoirs, which is provided on page 2 of the staff report.
- It was noted by staff that an internal and external inspection confirmed that both reservoirs are due for recoating and that structural upgrades are also required to bring the reservoir up to current Federal and State OSHA standards as well as AWWA Standards.
- The selection process was discussed by staff who indicated that Blastco Inc. submitted the lowest responsive bid. The results of the process are shown in the table provided on page 3 of the staff report. Staff checked the company's references, which showed a good overall performance record.
- Staff highlighted that Blastco has previously worked with the District on the 657-1 & 657-2 Reservoir Project and that it was completed on time and on budget.
- The Committee inquired about the \$3,804 expenditure for HDR Engineering, Inc. that was listed under Planning in both Budget Details (Attachments B-1 and B-2). Staff stated that the expenditure was for the cost to hire a diver to inspect the inside of the reservoir tanks.

- In response to a question from the Committee, staff indicated that there is an allowance of approximately \$70,000 included in the Project's contract to cover the costs of unforeseen structural repairs that may be discovered during interior blasting operations at the 978-1 Reservoir.

Following the discussion, the Committee supported staffs' recommendation and presentation to the full board as a consent item.



## ATTACHMENT B-1 – Budget Detail for P2534

|                         |   |
|-------------------------|---|
| <b>SUBJECT/PROJECT:</b> | Award of a Construction Contract to Blastco, Inc. for the |
| P2534-001103            | 978-1 & 850-2 Reservoir Interior/ Exterior Coatings &     |
| P2544-001103            | Upgrades Project  |

| Otay Water District                             |                  |                     |   |                                 | Date Updated: 8/23/16      |
|---|------------------|---------------------|---|---------------------------------|----------------------------|
| P2534-978-1 Reservoir Interior/Exterior Coating |                  |                     |   |                                 |                            |
| <i>Budget</i>                                   | <i>Committed</i> | <i>Expenditures</i> | <i>Outstanding<br/>Commitment &amp;</i> | <i>Projected Final<br/>Cost</i> | <i>Vendor/Comments</i>     |
| <b>715,000</b>                                  |                  |                     |   |                                 |                            |
| <b>Planning</b>                                 |                  |                     |   |                                 |                            |
| Standard Salaries                               | 5,000            | 2,720               | 2,280                                   | 5,000                           |                            |
| Consultant Contracts                            | 3,804            | -                   | 3,804                                   | 3,804                           | HDR ENGINEERING INC        |
| Standard Materials                              | 75               | 47                  | 28                                      | 75                              | STANDARD MATERIALS         |
| Equipment Charges                               | 100              | 40                  | 60                                      | 100                             | EQUIPMENT CHARGES          |
| <b>Total Planning</b>                           | 8,979            | 2,807               | 6,172                                   | 8,979                           |                            |
| <b>Design</b>                                   |                  |                     |   |                                 |                            |
| Standard Salaries                               | 25,000           | 2,812               | 22,188                                  | 25,000                          |                            |
| Equipment Charges                               | 40               | 8                   | 32                                      | 40                              | EQUIPMENT CHARGES          |
| <b>Total Design</b>                             | 25,040           | 2,820               | 22,220                                  | 25,040                          |                            |
| <b>Construction</b>                             |                  |                     |   |                                 |                            |
| Standard Salaries                               | 120,000          | 663                 | 119,337                                 | 120,000                         |                            |
| Construction Contract                           | 392,720          | -                   | 392,720                                 | 392,720                         | BLASTCO, INC.              |
| Service Contracts                               | 250              | -                   | 250                                     | 250                             | SAN DIEGO DAILY TRANSCRIPT |
| Service Contracts                               | 50,000           | -                   | 50,000                                  | 50,000                          | SPECIALTY INSPECTION       |
|   | 25,000           | -                   | 25,000                                  | 25,000                          | ALYSON CONSULTING-CM       |
|   | 750              | -                   | 750                                     | 750                             | CLARKSON LAB & SUPPLY      |
|   | 20,000           | -                   | 20,000                                  | 20,000                          | WATCHLIGHT CORPORATION     |
| Professional Legal Fees                         | 1,000            | -                   | 1,000                                   | 1,000                           |                            |
| Equipment Charges                               | 2,500            | 53                  | 2,447                                   | 2,500                           | EQUIPMENT CHARGE           |
| Project Closeout                                | 5,000            | -                   | 5,000                                   | 5,000                           | CLOSEOUT                   |
| Project Contingency                             | 19,636           | -                   | 19,636                                  | 19,636                          | 5% CONTINGENCY             |
| <b>Total Construction</b>                       | 636,856          | 716                 | 636,140                                 | 636,856                         |                            |
| <b>Grand Total</b>                              | <b>670,875</b>   | <b>6,343</b>        | <b>664,532</b>                          | <b>670,875</b>                  |                            |

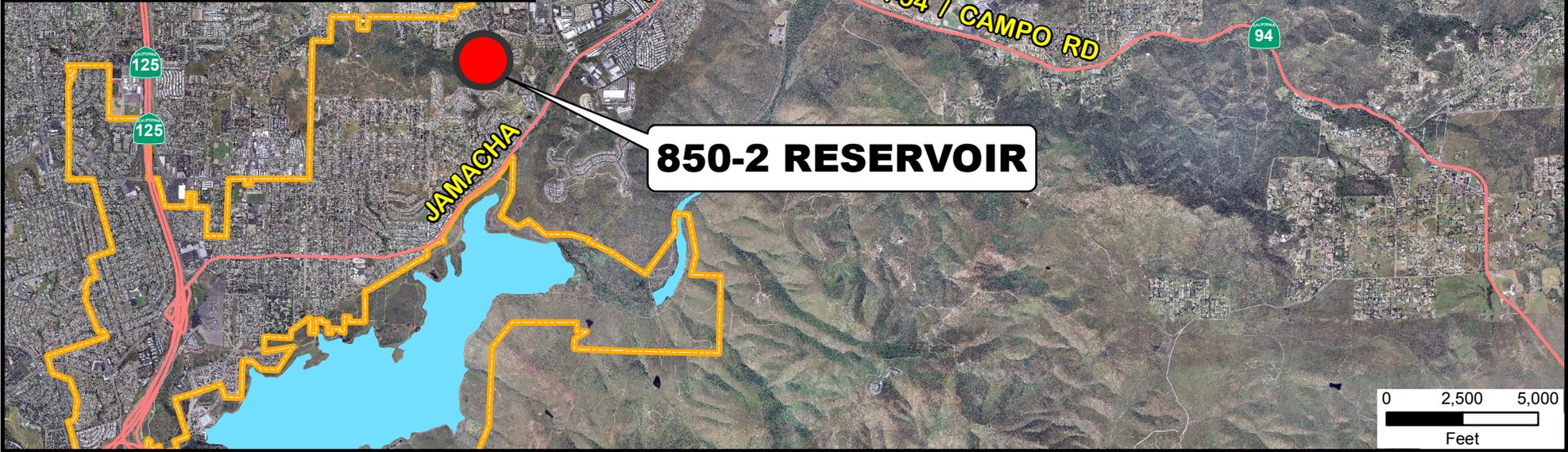
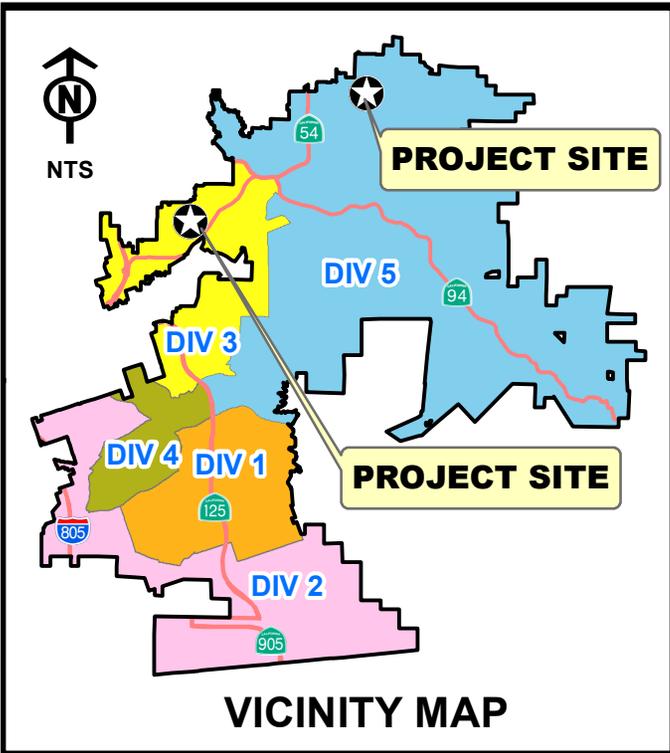


## ATTACHMENT B-2 – Budget Detail for P2544

|                         |   |
|-------------------------|---|
| <b>SUBJECT/PROJECT:</b> | Award of a Construction Contract to Blastco, Inc. for the |
| P2534-001103            | 978-1 & 850-2 Reservoir Interior/ Exterior Coatings &     |
| P2544-001103            | Upgrades Project  |

| Otay Water District                             |                  |                     |   |                                 | Date Updated: 8/23/16  |
|---|------------------|---------------------|---|---------------------------------|------------------------|
| P2544-850-2 Reservoir Interior/Exterior Coating |                  |                     |   |                                 |                        |
| <i>Budget</i>                                   | <i>Committed</i> | <i>Expenditures</i> | <i>Outstanding<br/>Commitment &amp;</i> | <i>Projected Final<br/>Cost</i> | <i>Vendor/Comments</i> |
| <b>1,070,000</b>                                |                  |                     |   |                                 |                        |
| <b>Planning</b>                                 |                  |                     |   |                                 |                        |
| Standard Salaries                               | 5,000            | 2,547               | 2,453                                   | 5,000                           |                        |
| Consultant Contracts                            | 3,804            | -                   | 3,804                                   | 3,804                           | HDR ENGINEERING INC    |
| <b>Total Planning</b>                           | 8,804            | 2,547               | 6,257                                   | 8,804                           |                        |
| <b>Design</b>                                   |                  |                     |   |                                 |                        |
| Standard Salaries                               | 20,000           | 3,319               | 16,681                                  | 20,000                          |                        |
| <b>Total Design</b>                             | 20,000           | 3,319               | 16,681                                  | 20,000                          |                        |
| <b>Construction</b>                             |                  |                     |   |                                 |                        |
| Standard Salaries                               | 130,000          | 297                 | 129,703                                 | 130,000                         |                        |
| Construction Contract                           | 713,480          | -                   | 713,480                                 | 713,480                         | BLASTCO, INC.          |
| Service Contracts                               | 60,000           | -                   | 60,000                                  | 60,000                          | SPECIALTY INSPECTION   |
|   | 25,000           | -                   | 25,000                                  | 25,000                          | ALYSON CONSULTING-CM   |
|   | 750              | -                   | 750                                     | 750                             | CLARKSON LAB & SUPPLY  |
|   | 20,000           | -                   | 20,000                                  | 20,000                          | WATCHLIGHT CORPORATION |
| Equipment Fees                                  | 2,500            | 25                  | 2,475                                   | 2,500                           | EQUIPMENT FEES         |
| Professional Legal Fees                         | 1,000            | -                   | 1,000                                   | 1,000                           |                        |
| Project Closeout                                | 5,000            | -                   | 5,000                                   | 5,000                           | CLOSEOUT               |
| Project Contingency                             | 35,674           | -                   | 35,674                                  | 35,674                          | 5% CONTINGENCY         |
| <b>Total Construction</b>                       | 993,404          | 322                 | 993,082                                 | 993,404                         |                        |
| <b>Grand Total</b>                              | <b>1,022,208</b> | <b>6,188</b>        | <b>1,016,020</b>                        | <b>1,022,208</b>                |                        |

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# OTAY WATER DISTRICT

**978-1 & 850-2 Reservoir Interior/Exterior Coating & Upgrades  
Location Map**



CIP P2534  
CIP P2544

# AGENDA ITEM 6c



## STAFF REPORT

|               |   |               |                 |
|---------------|---|---------------|-----------------|
| TYPE MEETING: | Regular Board   | MEETING DATE: | October 5, 2016 |
|               |   | PROJECT:      | DIV. NO.: ALL   |
| SUBMITTED BY: | Michael Kerr, Information Technology Manager                                      |               |                 |
| APPROVED BY:  | <input checked="" type="checkbox"/> Adolfo Segura, Chief, Administrative Services |               |                 |
|               | <input checked="" type="checkbox"/> German Alvarez, Assistant General Manager     |               |                 |
|               | <input checked="" type="checkbox"/> Mark Watton, General Manager                  |               |                 |
| SUBJECT:      | REPLACEMENT OF THE DISTRICT'S ENTERPRISE CONTENT AND RECORDS MANAGEMENT SYSTEM    |               |                 |

### **GENERAL MANAGER'S RECOMMENDATION:**

That the Board authorize the General Manager to enter into an agreement with ECS Imaging, Inc., for enterprise content management software (ECMS) licensing, implementation, and migration, in an amount not-to-exceed \$185,265, and reassign an additional \$75,265 to this project from identified CIP savings.

### **COMMITTEE ACTION:**

Please see "Attachment A".

### **PURPOSE:**

To purchase and replace legacy records management software, which is necessary for the creation, revision, approval, routing, consumption, disposition, and general management of District electronic documents. The new enterprise content management system (ECMS) will provide additional essential features such as day-to-day document management, web content management, digital asset management, collaboration, scanning, and centralized storage repository for all District content.

### **ANALYSIS:**

Digital and electronic content management and repository services are essential to District operations. Over the past seven years, the

District has utilized the Hewlett Packard (HP) Trim solution as its records management system. HP Trim lacks the multi-purpose data management functions the District requires and has limited collaboration and integration capabilities with other key enterprise District systems. The District requires an ECMS that consolidates and manages all District business documents, records, files, and correspondence within a single repository, in order to efficiently locate and operate the data. Continuing on the path of optimization and efficiencies, the modern features of this enterprise content management system will streamline the management and operation of our enterprise electronic data, and further align and integrate District technology services.

### **Background:**

The District's current content management solution, HP Trim, is at end-of-life in its current revision and has served its single purpose function. At the time of its purchase, ECM systems were better suited for large organizations, with much larger budgets. The ECMS market has evolved and expanded, to include a significant segment of similarly sized organizations like the District.

The District's current content management solution, HP Trim, is at end-of-life in its current revision and has served its single purpose function. Although limited choices at the time of its purchase, HP Trim was deemed the best fit solution for the District's records management needs. The current HP Trim solution lacks essential ECMS features to include content strategies, improved information architecture security, and enterprise integration (see analysis below). The District currently uses disparate systems to handle overall data management functions, with records management being handled by the single purpose system, HP Trim solution. In the area of public records requests, with the current system, search and production efforts are often manual and time consuming, and there is no web or internet feature for public viewing. By implementing the ECMS, the District would automate and standardize document structure, improve taxonomy, and enhance overall content security. This would also streamline the availability of content to the public and internal employees, thus reducing costly rework and time consumption of records management and production function of public records request.

Staff conducted extensive research of enterprise content management systems and identified Laserfiche as one of the leaders in the industry and small business segment. The adoption of the Laserfiche solution includes a large number of Municipal Information Systems Association of California (MISAC) members, to include many similarly sized agencies. The cost, feature set, and architecture complements the District ECMS needs. With growing enterprise content managements needs ranging from

file creation to legal disposal, the District seeks to replace its single-purpose, end-of-life HP Trim solution with Laserfiche, a comprehensive, multi-purpose ECMS solution.

**Analysis and Selection Panel Recommendation:**

Approximately two years ago, staff began planning for the addition of ECM features to the existing records management solution, and conducted a number of technical meetings with HP Trim. The upgrade included software licensing, data preparation, configuration, training, and maintenance. The project was originally budgeted for \$110,000. Due to corporate restructuring within Hewlett Packard software division and the release of a major HP Trim solution upgrade, the original budgeted amount was no longer valid. The new estimated cost for both HP Trim records and enterprise content management system is now approximately \$200,000. Although the HP Trim solution had evolved to include many ECM functions, the overall architecture and feature set was not representative of the marketing documentation. The new HP Trim enterprise solution would require additional support overhead in comparison to the Laserfiche ECMS. The HP Trim functional features are also not as rich and user-friendly, and on-going annual maintenance cost are estimated to be \$10,000 beyond that of the Laserfiche ECMS solution. Lastly, the new Laserfiche ECMS solution will be maintained by in-house staff.

Based on District's needs, staff conducted an extensive analysis of current and future needs based on functional and business requirements. Staff solicited quotes for Laserfiche enterprise content management system and services from three (3) firms electronically. The District received the three (3) proposals identified below, and all three (3) were deemed responsive.

| <b>Firm</b>             | <b>Location</b>                            | <b>License Cost</b> | <b>Implementation Cost</b> | <b>Total</b> |
|-------------------------|--|---------------------|----------------------------|--------------|
| McGrath Companies, Inc. | 1360 N. Baker St.<br>Stockton, CA, 95204   | \$127,000           | \$81,800                   | \$208,800    |
| ECS Imaging, Inc.       | 5905 Brockton Ave,<br>Riverside, CA, 92506 | \$120,875           | \$64,390                   | \$185,265    |
| Ecofile, Inc.           | PO Box 385<br>Rocklin, CA 95677            | \$114,000           | \$75,000                   | \$189,700    |

A panel of staff reviewed the submitted proposals, contacted references, and conducted site visits with other agencies that have implemented the Laserfiche solution. Staff concluded that ECS Imaging, Inc. was the best and most cost-effective choice for the replacement and implementation of the District's new ECMS. In addition, ECS Imaging is a preferred Laserfiche solution vendor, and the only vendor with staff in San Diego.

**Decision Analysis:**

Staff evaluated proposals from the three (3) firms that were invited for final review and conducted a decision analysis (results shown below), which ranked ECS Imaging, Inc. as the highest overall firm based on the evaluation criteria.

| <b>SELECTION PANEL ANALYSIS</b><br>(individual results for ECMS) |               |                         |              |                   |              |               |              |
|--|---------------|-------------------------|--------------|-------------------|--------------|---------------|--------------|
|  |               | McGrath Companies, Inc. |              | ECS Imaging, Inc. |              | Ecofile, Inc. |              |
| <b>EVALUATION CRITERIA</b>                                       | <b>WEIGHT</b> | <b>SCORE</b>            | <b>TOTAL</b> | <b>SCORE</b>      | <b>TOTAL</b> | <b>SCORE</b>  | <b>TOTAL</b> |
| Experience of Proposed Staff                                     | 10            | 8                       | 80           | 9                 | 90           | 8             | 80           |
| Approach To The Project  | 9             | 8                       | 72           | 9                 | 81           | 7             | 63           |
| Capability To Perform  | 8             | 8                       | 64           | 9                 | 72           | 8             | 64           |
| Cost/Pricing   | 9             | 7                       | 63           | 8                 | 72           | 7             | 63           |
| Relevant Experience  | 6             | 8                       | 48           | 10                | 60           | 8             | 48           |
| <b>GRAND TOTALS</b>  |               |                         | 327          |                   | 375          |               | 318          |

**Selection Recommendation:**

Based on the above, staff recommends ECS Imaging, Inc. for ECMS software licensing and implementation services.

**FISCAL IMPACT:**             Joe Beachem, Chief Financial Officer

*Capital Totals:*

The total available budget for CIP P2568, as approved in the FY 2017 budget, is \$110,000. The \$75,265 required balance will be reassigned from identified FY 2017 CIP project savings.

**STRATEGIC GOAL:**

These items are in support of the District's strategic plan objective, Advance Business Processes and Operational Efficiencies through Implementation of Information Technology.

**LEGAL IMPACT:**

None.

**ATTACHMENTS:**

- Attachment A - Committee Action Report
- Attachment B - Statement of Work - Laserfiche Implementation Project Plan



## ATTACHMENT A

|                         |   |
|-------------------------|---|
| <b>SUBJECT/PROJECT:</b> | REPLACEMENT OF ENTERPRISE CONTENT AND RECORDS MANAGEMENT SYSTEM |
|-------------------------|---|

### COMMITTEE ACTION:

This item was presented to the Finance, Administration and Communications Committee at a meeting held on September 13, 2016. The following comments were made:

- Staff is requesting that the Board approve an agreement with ECS Imaging, Inc. for enterprise content management software (ECMS) licensing, implementation, and migration, in an amount not-to-exceed \$185,265, and reassign an additional \$75,265 to this project from identified CIP savings.
- Staff reviewed the information in the staff report.
- A video was presented which provided an overview of the Laserfiche ECMS software.
- Staff indicated that the District's current records management system, HP Trim, is at end-of-life and must be upgraded. Based on discussions with Hewlett Packard, the cost to upgrade HP Trim would be approximately \$200,000 and the upgrade would allow for placing records and content management functions into one centralized system.
- Laserfiche ECMS gives the District a multi-purpose (Enterprise Content Management System) solution from the moment a record is created to when it is disposed/destroyed. Some of the enterprise features that were deemed essential are standardization of file creation and storage, check in/out function, electronic form creation and work-flow, single repository for all content, content access via mobile devices, enhanced usage auditing and content security, web feature for public access, integration with District enterprise systems such as SharePoint, Tyler Eden, Microsoft Office, and GIS, centralized management, legal disposal of electronic documents,

and ability to support with in-house resources. It is utilized by many agencies throughout California and its ongoing maintenance and overhead costs are very low.

- In response to an inquiry from the Committee, staff indicated that the District started to research upgrading the existing records management system (HP Trim) two (2) years ago. The HP Trim system has been in use for approximately seven (7) years. Staff indicated that the new proposed system, Laserfische ECMS, was found to be a better solution and would be less costly than upgrading the existing system.
- It was indicated in response to another inquiry from the Committee that the \$185,265 would cover all required licensing costs, modules with security workflow, integration and migration of the District's current records management data, training, and maintenance. Ongoing maintenance cost was indicated to be approximately \$25,000 per year. Subsequent to the meeting staff clarified that if the District stayed with the HP Trim system, with added ECMS type features, the ongoing maintenance cost would be approximately \$35,000 per year. The District would achieve a savings of \$10,000 per year if it moved to the proposed Laserfische ECMS system.

Following the discussion, the committee supported staff's recommendation and presentation to the full board as a consent item.



# ***Otay Water District***

## **Statement of Work**

### **Laserfiche Implementation Project**

---

Authors:

Chad Rodriguez, Chief Technology Officer

Creation Date: 8/26/2016

Last Revision Date: 8/26/2016

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This information is confidential and proprietary to ECS Imaging, Incorporated. The intent is only for the customer and the information contained herein (the 'Proprietary Information') is highly confidential and proprietary to and constitutes trade secrets of ECS Imaging, Inc.. This information shall not be published, communicated, disclosed or divulged to any person, firm, corporation or other legal entity, directly or indirectly, without the prior written consent of ECS Imaging, Inc. Management.



## Purpose

### Background Information

The Otay Water District, hereafter referred to as OTW, intends to transition from a legacy document management system to Laserfiche with the goal of improving the business processes of import and capture for new records, automating document indexing and archive storage, improving business decision and routing automation for document and records management, and improving search and retrieval for records.

The Statement of Work, hereafter referred to as SOW, is meant to provide background information on the project, high-level milestones, and responsibilities of all parties involved. The SOW will provide information to assist both parties in determining the “next-steps” through the expansion modification.

### Project Statement

The solution includes the installation of Laserfiche server and client software, consultation and configuration of document management best practices for multiple business automation needs, and providing training for users and administrators with the intention of empowering the organization to become self-sufficient in the development of future workflow and electronic forms automation in the long term.

### Scope Definition

The following scope of the project includes:

- **Software Installation**
  - Laserfiche server, client, import and scanning, and business process components
- **Repository Design Consultation and Configuration**
  - Folder Structure
  - Naming Convention
  - Template and Field Design
  - User license allocation and security
  - Storage Volumes
- **Business Process Consultation and Configuration**
  - Laserfiche Workflow Processing Automation for Records Management
- **Data Conversion**
  - Conversion of 232GB+ of documents and index information to Laserfiche
- **Training**
  - Import and Capture Training
    - Laserfiche Scanning, Import Agent and Quick Fields
  - Search and Retrieval Training
    - Laserfiche Client, Web Access, Plus
  - Workflow Automation Training
    - Laserfiche Workflow
  - Forms Building Training
    - Laserfiche Forms
  - Laserfiche Administrator Training
    - Security
    - User configuration
    - Volume configuration
    - IT
- **Project Management**
  - Professional project management services from ECS

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- Project plan development
- Kick off meeting
- Project status meetings
- Project status updates
- Documentation
  - Solution documentation
  - Training documentation

### Items Out Of Scope

Items beyond scope are those items which are not included in the Statement of Work. They include but are not limited to:

- ECS acquisition of server or workstation hardware
- Costs associated with troubleshooting OS or hardware issues related to the workstations or servers
- Resolving any issues not related to Laserfiche, including but not limited to Windows permissions, network permissions, network hardware, server or client hardware, or other 3<sup>rd</sup> party infrastructure hardware or software

\*Any items out of scope will be considered as separate labor from the services agreed upon for this project and may require additional approval and review before proceeding. The project's primary requirements take precedence over any additional items requested that are out of scope to maintain the project timeline and ensure deliverable expectations are met.

### Business Rules and Requirements

As determined, Laserfiche will serve as the primary storage location for archived documents. Laserfiche Scanning, Quick Fields, Import Agent, Workflow, Forms, and the SDK will be used as the electronic document management strategy for document capture, search and retrieval, business automation and integration, and archiving.

### Technical Requirements

- Remote access via VPN credentials, Citrix credentials, or other methods may need to be provided to select ECS Imaging team members
  - Access is needed to all LF related servers for implementation purposes
- Access is needed to any 3<sup>rd</sup> party databases or systems involved in any process related to storing and retrieving documents in Laserfiche

### Highlighted Variables that Impact the Project Duration

- *Availability of OTW staff resources*
  - ECS will collaborate with OTW staff to define all implementation requirements, require OTW staff to provide support, and require OTW to approve any change requests for the implementation. The project duration will be extended if OTW staff is unavailable to assist in any of the aforementioned tasks for extended periods of time.
- *Delays with server hardware availability for Laserfiche installation*
- *Appropriate security access to Laserfiche related servers*
- *Appropriate security access to any 3<sup>rd</sup> party databases or applications that are required to satisfy the business requirements*

## Scope of Work

All dates are estimated from the original assumed starting date. The dates below are meant to provide a general timeline to help all stakeholders better understand the time required to complete all of the below tasks. The dates below are subject to change depending on external factors to ECS and Laserfiche.

### Deliverable Schedule (Estimated)

A detailed project plan schedule has been provided based on the current information available. The project plan schedule may change as more information is discussed. *Refer to Appendix A at the end of this document.*

### ECS Professional Service Distribution (Estimated)

- 2 hours – General Initiation and Planning
- 6 hours – Software Installation
- 8 hours – Repository Design Consultation and Configuration
- 16 hours – Business Process Consultation and Configuration
- 24 hours – Training
- 8 hours – Project Management

**TOTAL = 64 estimated professional service hours (8 days)**

### Project Schedule Summary and Expected Deadlines (Estimated)

- 10/31/2016 – Project start date
- 11/01/2016 – Kick off meeting and general planning complete
- 11/10/2016 – Laserfiche software installation complete
- 11/28/2016 – Repository design consultation and configuration complete
- 12/30/2016 – Data conversion complete
- 01/09/2017 – Business process consultation and configuration complete
- 01/12/2017 – All training complete
- 01/16/2017 – Laserfiche live in production, project closure (ongoing ECS Support available)

### Review of Estimated Project Duration (Estimated)

The project is assumed to start in the beginning of **November 2016** and be completed by mid-**January 2017**. This assumes the following:

- OTW resources are available for implementation throughout the project
- No delays due to changes to existing project primary requirements
- No delays due to OTW requests for additional out of scope requirements
- Availability of remote access
- Availability of appropriate security access to Laserfiche related servers and 3<sup>rd</sup> party database or applications relevant to the business requirements

### Project and Payment Milestones

- **Milestone 1 – Upfront payment for Software**
- **Milestone 2 – Completion of All Project Phases**

## Location of Work

Work will be completed remotely at ECS office in Riverside, CA and Concord, CA and onsite at OTW offices as needed.

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## Payment Details and Terms

Payment is based on the terms included in the original quote or as defined in this Statement of Work. Support hours and Professional Services hours will be used towards the completion of this Statement of Work.

## Appendix A

Appendix A provides a detailed view of the project plan (see next page).

| ID | Task Name  | Work   | Duration | Start        | Finish       | Predecessors | November 2016 | December 2016 | January 2017 |
|----|--|--------|----------|--------------|--------------|--------------|---------------|---------------|--------------|
| 1  | Day Water District - Laserfiche Implementation Project   | 64 hrs | 56 days  | Mon 10/31/16 | Mon 1/16/17  |              |               |               |              |
| 2  | Project Kick-off Meeting   | 2 hrs  | 2 days   | Mon 10/31/16 | Tue 11/1/16  |              |               |               |              |
| 3  | (Total professional services)  | 2 hrs  | 2 days   | Mon 10/31/16 | Tue 11/1/16  |              |               |               |              |
| 4  | Project Kick off meeting (Introduction of all teams, responsibilities, and general timeline)   | 0 hrs  | 2 days   | Mon 10/31/16 | Tue 11/1/16  |              |               |               |              |
| 5  | Gather initial information and project planning  | 0 hrs  | 2 days   | Mon 10/31/16 | Tue 11/1/16  |              |               |               |              |
| 6  | Provide hardware recommendations based on LF software requirements   | 0 hrs  | 2 days   | Mon 10/31/16 | Tue 11/1/16  |              |               |               |              |
| 7  | Hardware Installation  | 54 hrs | 49 days  | Mon 11/7/16  | Thu 1/12/17  |              |               |               |              |
| 8  | Part 1: Software Installation  | 6 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 | 2FS+5 days   |               |               |              |
| 9  | Laserfiche Software Installation   | 6 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 10 | (Total professional services)  | 6 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 11 | Laserfiche Rio Directory Server Configuration  | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 12 | Install Directory Server   | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 13 | Install and Activate Directory Server  | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 14 | Setup Licensing Database   | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 15 | Save master license to defined location  | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 16 | Configure Directory Server   | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 17 | Configure Active Directory Connection  | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 18 | Add AD Subscriptions   | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 19 | Add Windows Users/Groups/Devices to LM   | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 20 | Register App Instance & Generate license for LF Server   | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 21 | Save license to defined location   | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 22 | Register App Instance & Generate license for Web Access  | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 23 | Register App Instance & Generate license for QF  | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 24 | Deploy Licenses  | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 25 | Verify products work with licenses   | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 26 | Laserfiche Server Installation   | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 27 | Install LF Server 10.x   | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 28 | Validate connection / volume locations   | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 29 | Create new Search Catalog  | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 30 | Install Audit Trail 10.x   | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 31 | Configure Audit Reports  | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 32 | Install Web Access 10.x  | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 33 | Configure WA Administration  | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 34 | Configure Authentication in IS   | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 35 | Install Workflow 10.x  | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 36 | Validate prerequisites are installed   | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 37 | Laserfiche Client Installation   | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 38 | Install Client and Scan Workstations 10.x  | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 39 | Validate prerequisites are installed   | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 40 | Confirm all workstations can connect to LF10 server  | 0 hrs  | 2 days   | Wed 11/9/16  | Thu 11/10/16 |              |               |               |              |
| 41 | Part 2: Repository Design Consultation and Configuration   | 6 hrs  | 10 days  | Tue 11/15/16 | Mon 11/28/16 | 8FS+2 days   |               |               |              |
| 42 | (Total professional services)  | 8 hrs  | 10 days  | Tue 11/15/16 | Mon 11/28/16 |              |               |               |              |
| 43 | Preliminary Needs Assessment   | 0 hrs  | 10 days  | Tue 11/15/16 | Mon 11/28/16 |              |               |               |              |
| 44 | Confirm repository requirements (Folder structure, naming convention, template design, licensing distribution and security, storage volumes) | 0 hrs  | 10 days  | Tue 11/15/16 | Mon 11/28/16 |              |               |               |              |
| 45 | Consultation - Repository Design Recommendations   | 0 hrs  | 10 days  | Tue 11/15/16 | Mon 11/28/16 |              |               |               |              |
| 46 | Consult on Laserfiche configuration based on business requirements   | 0 hrs  | 10 days  | Tue 11/15/16 | Mon 11/28/16 |              |               |               |              |
| 47 | Configuration - Repository Design Implementation   | 0 hrs  | 10 days  | Tue 11/15/16 | Mon 11/28/16 |              |               |               |              |
| 48 | Configure Laserfiche based on business requirements  | 0 hrs  | 10 days  | Tue 11/15/16 | Mon 11/28/16 |              |               |               |              |
| 49 | Review and confirm approval of repository design   | 0 hrs  | 10 days  | Tue 11/15/16 | Mon 11/28/16 |              |               |               |              |
| 50 | Part 3: Data Conversion  | 0 hrs  | 40 days  | Mon 11/7/16  | Fri 12/30/16 | 2FS+3 days   |               |               |              |
| 51 | (Total professional services)  | 0 hrs  | 40 days  | Mon 11/7/16  | Fri 12/30/16 |              |               |               |              |

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| ID  | Task Name   | Work   | Duration | Start        | Finish       | Predecessors | November 2016 | December 2016 | January 2017 |
|-----|---|--------|----------|--------------|--------------|--------------|---------------|---------------|--------------|
| 52  | MP Conversion   | 0 hrs  | 40 days  | Mon 11/7/16  | Fri 12/30/16 |              |               |               |              |
| 53  | Conversion Planning   | 0 hrs  | 40 days  | Mon 11/7/16  | Fri 12/30/16 |              |               |               |              |
| 54  | Gather Conversion Requirements  | 0 hrs  | 40 days  | Mon 11/7/16  | Fri 12/30/16 |              |               |               |              |
| 55  | Programming   | 0 hrs  | 40 days  | Mon 11/7/16  | Fri 12/30/16 |              |               |               |              |
| 56  | Complete programming conversion intelligence  | 0 hrs  | 40 days  | Mon 11/7/16  | Fri 12/30/16 |              |               |               |              |
| 57  | Verify and resolve any programming issues with requirements (if any)                                  | 0 hrs  | 40 days  | Mon 11/7/16  | Fri 12/30/16 |              |               |               |              |
| 58  | Test Conversion   | 0 hrs  | 40 days  | Mon 11/7/16  | Fri 12/30/16 |              |               |               |              |
| 59  | Verification  | 0 hrs  | 40 days  | Mon 11/7/16  | Fri 12/30/16 |              |               |               |              |
| 60  | Generate 100MB of sample data for each document type  | 0 hrs  | 40 days  | Mon 11/7/16  | Fri 12/30/16 |              |               |               |              |
| 61  | Load sample data for customer review  | 0 hrs  | 40 days  | Mon 11/7/16  | Fri 12/30/16 |              |               |               |              |
| 62  | Modify conversion programming as needed   | 0 hrs  | 40 days  | Mon 11/7/16  | Fri 12/30/16 |              |               |               |              |
| 63  | Primary Conversion  | 0 hrs  | 40 days  | Mon 11/7/16  | Fri 12/30/16 |              |               |               |              |
| 64  | Convert all data and reprocess with workflow in LF  | 0 hrs  | 40 days  | Mon 11/7/16  | Fri 12/30/16 |              |               |               |              |
| 65  | Verification  | 0 hrs  | 40 days  | Mon 11/7/16  | Fri 12/30/16 |              |               |               |              |
| 66  | Generate statistics report of conversion  | 0 hrs  | 40 days  | Mon 11/7/16  | Fri 12/30/16 |              |               |               |              |
| 67  | <b>Part 4: Business Process Consultation and Configuration</b>  | 16 hrs | 30 days  | Tue 11/29/16 | Mon 1/9/17   | 61           |               |               |              |
| 68  | <i>(Total professional services)</i>  | 16 hrs | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 69  | Preliminary Needs Assessment  | 0 hrs  | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 70  | Document Existing System  | 0 hrs  | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 71  | Identify the high level business process  | 0 hrs  | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 72  | Identify the primary problems   | 0 hrs  | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 73  | Confirm business requirements (import and capture process, workflow automation, search and retrieval) | 0 hrs  | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 74  | Consultation - Business Process Recommendations   | 0 hrs  | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 75  | Develop Recommendations   | 0 hrs  | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 76  | Translate business process into LF  | 0 hrs  | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 77  | Identify potential solution to primary problems   | 0 hrs  | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 78  | Design high level solutions to replicate key existing business processes                              | 0 hrs  | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 79  | Present Recommendations   | 0 hrs  | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 80  | Provide high level recommendations  | 0 hrs  | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 81  | Accept requests for high level changes to recommendation  | 0 hrs  | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 82  | Provide final high level recommendations  | 0 hrs  | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 83  | Configuration - Business Process Design Implementation  | 0 hrs  | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 84  | Build Solutions   | 0 hrs  | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 85  | Validate solution with department leads   | 0 hrs  | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 86  | Revise solutions to existing business processes as needed   | 0 hrs  | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 87  | Validate revisions with department leads  | 0 hrs  | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 88  | Deploy Final Solutions  | 0 hrs  | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 89  | Setup final solution  | 0 hrs  | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 90  | Test solution and verify with organization  | 0 hrs  | 30 days  | Tue 11/29/16 | Mon 1/9/17   |              |               |               |              |
| 91  | <b>Part 4: Training</b>   | 24 hrs | 3 days   | Tue 1/10/17  | Thu 1/12/17  | 87           |               |               |              |
| 92  | <i>(Total professional services)</i>  | 24 hrs | 3 days   | Tue 1/10/17  | Thu 1/12/17  |              |               |               |              |
| 93  | User Training (Multiple Training Days)  | 0 hrs  | 3 days   | Tue 1/10/17  | Thu 1/12/17  |              |               |               |              |
| 94  | Import and Capture Training   | 0 hrs  | 3 days   | Tue 1/10/17  | Thu 1/12/17  |              |               |               |              |
| 95  | Search and Retrieval Training   | 0 hrs  | 3 days   | Tue 1/10/17  | Thu 1/12/17  |              |               |               |              |
| 96  | LF Administration Training for IT Staff (Multiple Training Days)                                      | 0 hrs  | 3 days   | Tue 1/10/17  | Thu 1/12/17  |              |               |               |              |
| 97  | Workflow Training   | 0 hrs  | 3 days   | Tue 1/10/17  | Thu 1/12/17  |              |               |               |              |
| 98  | Forms Training  | 0 hrs  | 3 days   | Tue 1/10/17  | Thu 1/12/17  |              |               |               |              |
| 99  | Security and User Setup Training  | 0 hrs  | 3 days   | Tue 1/10/17  | Thu 1/12/17  |              |               |               |              |
| 100 | Volume configuration Training   | 0 hrs  | 3 days   | Tue 1/10/17  | Thu 1/12/17  |              |               |               |              |
| 101 | General IT Training   | 0 hrs  | 3 days   | Tue 1/10/17  | Thu 1/12/17  |              |               |               |              |
| 102 | Complete Project Management, Implementation and Contracting   | 8 hrs  | 54 days  | Mon 10/31/16 | Thu 1/12/17  |              |               |               |              |

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| ID  | Task Name                                     | Work  | Duration | Start        | Finish      | Predecessors | November 2016 | December 2016 | January 2017 |
|-----|---|-------|----------|--------------|-------------|--------------|---------------|---------------|--------------|
| 103 | <i>(Total professional services)</i>          | 8 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 104 | Monitor and Control Project Work              | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 105 | Authorize Work                                | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 106 | Manage Action Items                           | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 107 | Manage Project Records                        | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 108 | Integrated Change Control                     | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 109 | Manage Scope                                  | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 110 | Manage Requirements                           | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 111 | Control Decisions                             | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 112 | Control Changes                               | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 113 | Scope Verification                            | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 114 | Manage Project Acceptance                     | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 115 | Schedule Control                              | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 116 | Track Status                                  | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 117 | Maintain Project Schedule                     | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 118 | Maintain Work Plans                           | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 119 | Manage Finances                               | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 120 | Monitor Cost/Schedule Variance                | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 121 | Control Costs                                 | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 122 | Maintain Financial Plan                       | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 123 | Perform Quality Control                       | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 124 | Control Quality                               | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 125 | Participate in Testing                        | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 126 | Manage Project Team                           | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 127 | Manage Communications                         | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 128 | Meet With Teams as Needed                     | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 129 | Produce Performance Reports                   | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 130 | Report Semi Monthly Status                    | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 131 | Manage Stakeholders                           | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 132 | Monitor Satisfaction                          | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 133 | Resolve Issues                                | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 134 | Risk Monitoring and Control                   | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 135 | Manage Risks                                  | 0 hrs | 54 days  | Mon 10/31/16 | Thu 1/12/17 |              |               |               |              |
| 136 | Project Completion and Release start sign off | 8 hrs | 2 days   | Fri 1/13/17  | Mon 1/16/17 | 102          |               |               |              |
| 137 | Address any outstanding issues                | 0 hrs | 2 days   | Fri 1/13/17  | Mon 1/16/17 |              |               |               |              |
| 138 | Summary and Documentation Review              | 0 hrs | 2 days   | Fri 1/13/17  | Mon 1/16/17 |              |               |               |              |
| 139 | Project completion meeting and sign off       | 0 hrs | 2 days   | Fri 1/13/17  | Mon 1/16/17 |              |               |               |              |

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# AGENDA ITEM 7a



## STAFF REPORT

|               |   |               |                             |
|---------------|---|---------------|-----------------------------|
| TYPE MEETING: | Regular Board   | MEETING DATE: | October 5, 2016             |
| SUBMITTED BY: | Lisa Coburn-Boyd<br>Environmental Compliance<br>Specialist<br><br>Bob Kennedy<br>Engineering Manager  | CIP./G.F. NO: | D0028- DIV. NO. 2<br>090277 |
| APPROVED BY:  | <input checked="" type="checkbox"/> Rod Posada, Chief, Engineering<br><input checked="" type="checkbox"/> German Alvarez, Assistant General Manager<br><input checked="" type="checkbox"/> Mark Watton, General Manager |               |                             |
| SUBJECT:      | Approval of Water Supply Assessment and Verification Report (August 2016) for the City of Chula Vista University Innovation District Project  |               |                             |

### **GENERAL MANAGER'S RECOMMENDATION:**

That the Otay Water District (District) Board of Directors (Board) approve the Water Supply Assessment and Verification Report (WSA&V Report) dated August 2016 for the City of Chula Vista University Innovation District Project, as required by Senate Bills 610 and 221 (see Exhibit A for Project location).

### **COMMITTEE ACTION:**

Please see Attachment A.

### **PURPOSE:**

To obtain Board approval of the August 2016 WSA&V Report for the City of Chula Vista University Innovation District Project, as required by Senate Bill 610 and Senate Bill 221 (SB 610 and SB 221).

### **ANALYSIS:**

The City of Chula Vista submitted a request to the District for a WSA&V Report, pursuant to SB 610 and SB 221. SB 610 and SB 221 require that, upon the request of the City or County, a water purveyor, such as the District, prepare a water supply

assessment and verification report to be included in the California Environmental Quality Act (CEQA) environmental documentation. SB 610 requires a city or county to evaluate whether water supplies will be sufficient to meet the projected water demand for certain "projects" that are otherwise subject to the requirement of the CEQA. SB 610 provides its own definition of "project" in Water Code Section 10912.

SB 221 requires affirmative written verification from the water purveyor of the public water system that sufficient water supplies are planned to be available for certain residential subdivisions of property. The requirements of SB 610 and SB 221 are addressed by the May 2016 WSA&V Report for this Project. The WSA&V Report was prepared by the District in consultation with Dexter Wilson Engineering, Inc., the San Diego County Water Authority (Water Authority), and the City of Chula Vista (City).

Prior to transmittal to the City, the WSA&V Report must be approved by the Board of Directors. An additional explanation of the intent of SB 610 and SB 221 is provided in Exhibit B, the City of Chula Vista University Innovation District Project WSA&V Report is provided as Exhibit C.

For the City of Chula Vista University Innovation District Project, the City is the responsible land use agency that requested the SB 610 and SB 221 water supply assessment and verification reports from the District. The request for the WSA&V Reports, in compliance with SB 610 and SB 221 requirements, was made by the City because the Project meets or exceeds one or both of the following SB 610 and SB 221 criteria:

- A proposed residential development of more than 500 dwelling units.
- A proposed commercial office building employing more than 1,000 persons or having more than 250,000 square feet of floor space.
- A mixed-use project that includes one or more of the land uses specified in SB 610.
- A project that would demand an amount of water equivalent to, or greater than, the amount of water required by a 500 dwelling unit project.

The City of Chula Vista University Innovation District Project is located along the north side of the Otay River Valley within

the Otay Ranch Development. The Project is planned to include a State University site with education buildings, student and faculty housing, commercial, recreation, and open space areas. The Project proposes up to 10,066,200 square feet of development and could include up to 20,000 students, 6,000 faculty/staff members and 8,000 commercial employees. Up to 6,000 students and 1,200 faculty/staff members could be housed onsite.

The expected potable water demands for the City of Chula Vista University Innovation District Project are 840,688 gpd or about 941.7 AFY. This is 11.7 AFY higher than the demand estimate in the District's 2008 Water Resources Master Plan November 2010 Update, which estimated 930.0 AFY for the same parcels. Recycled water is proposed to be used within the Project and the estimated annual average usage is projected to be 159,255 gpd or 178 AFY.

The 11.7 AFY increase is accounted for through the Accelerated Forecasted Growth demand increment of the Water Authority's 2015 Urban Water Management Plan (UWMP). As documented in the Water Authority's 2015 UWMP, the Water Authority is planning to meet future and existing demands, which include the demand increment associated with the accelerated forecasted growth. The Water Authority will assist its member agencies in tracking the environmental documents provided by the agencies that include water supply assessments and verifications reports that utilize the accelerated forecasted growth demand increment to demonstrate supplies for the development. In addition, the next update of the demand forecast for the Water Authority's 2020 UWMP will be based on SANDAG's most recently updated forecast, which will include the Project. Therefore, based on the findings from the District's 2015 UWMP and the Water Authority's 2015 UWMP, this Project will result in no unanticipated demands.

The request for compliance with SB 221 requirements was made by the City because the Project will exceed the SB 221 criteria of a proposed residential development with more than 500 dwelling units.

Pursuant to SB 610 and SB 221, the WSA&V Report incorporates by reference the current Urban Water Management Plans and other water resources planning documents of the District, the Water Authority, and the Metropolitan Water District of Southern California (Metropolitan). The District prepared the WSA&V Report in consultation with Dexter Wilson Engineering, Inc., the Water Authority, and the City, which demonstrates and documents that sufficient water supplies are planned for and are intended

to be made available over a 20-year planning horizon under normal supply conditions, in single and multiple-dry years to meet the projected demand of the City of Chula Vista University Innovation District Project and other planned development projects within the District.

**FISCAL IMPACT:**     Joe Beachem, Chief Financial Officer

The District has been reimbursed \$8,000 for all costs associated with the preparation of the City of Chula Vista University Innovation District Project WSA&V Report. The reimbursement was accomplished via an \$8,000 deposit the Project proponents placed with the District.

**STRATEGIC GOAL:**

The preparation and approval of the WSA&V Report for the City of Chula Vista University Innovation District Project supports the District's Mission statement, "To provide high value water and wastewater services to the customers of the Otay Water District in a professional, effective, and efficient manner" and the General Manager's Vision, "A District that is at the forefront in innovations to provide water services at affordable rates, with a reputation for outstanding customer service."

**LEGAL IMPACT:**

Approval of a WSA&V Report for the City of Chula Vista University Innovation District Project in form and content satisfactory to the Board of Directors would allow the District to comply with the requirements of Senate Bills 610 and 221.

LC-B/BK:jf

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- Attachments:
- Attachment A - Committee Action
  - Exhibit A - Location Map
  - Exhibit B - Explanation of the Intent of SB 610 & SB 221
  - Exhibit C - City of Chula Vista University Innovation District Project WSA&V Report
  - Exhibit D - Presentation



## ATTACHMENT A

|   |  |
|---|--|
| <b>SUBJECT/PROJECT:</b><br>D0028-090277 | Approval of Water Supply Assessment and Verification Report (August 2016) for the City of Chula Vista University Innovation District Project |
|---|--|

### COMMITTEE ACTION:

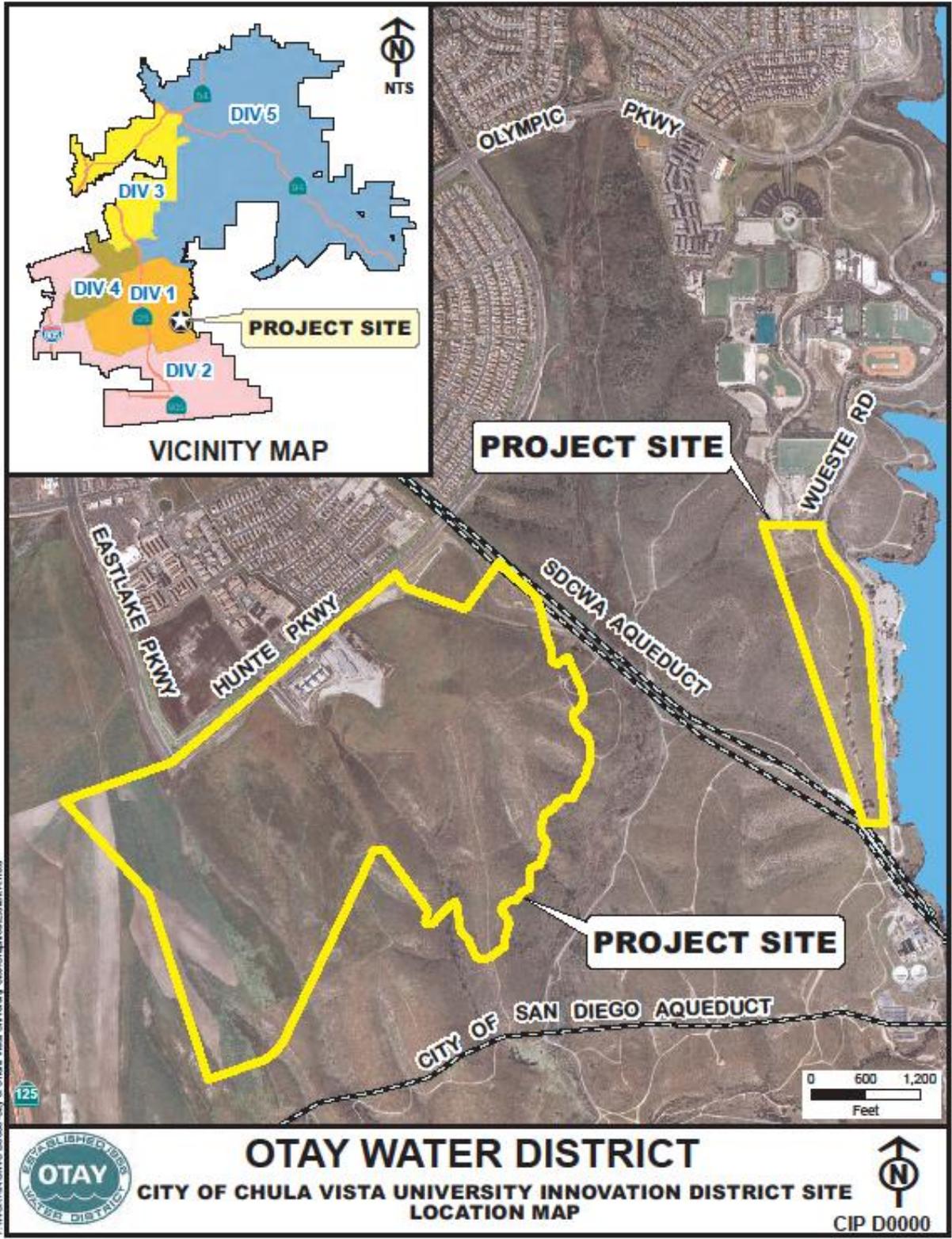
The Engineering, Operations, and Water Resources Committee (Committee) reviewed this item at a meeting held on September 15, 2016, and the following comments were made:

- Staff recommended that the Board approve the Water Supply Assessment and Verification Report (WSA&V Report) dated August 2016 for the City of Chula Vista University Innovation District Project (Project), as required by Senate Bills 610 and 221 (SB 610 & 221).
- Staff provided a PowerPoint presentation to the Committee. See Exhibit D of the staff report.
- Staff stated that the City of Chula Vista submitted a request to the District for a WSA&V Report for the Project pursuant to SB 610 & 221. It was noted that Board approval is required for submittal of the WSA&V Report to the City of Chula Vista.
- The Project's description is provided on page 3 of the PowerPoint presentation. It was noted that the Project's total water demand is 941.7 AFY of potable water and 178 AFY of recycled water. This is 11.7 AFY higher than what was indicated in the 2010 update of the District's 2008 Water Resources Master Plan. However, staff stated that the increase in demand is accounted for through the AFG demand increment of the Water Authority's 2015 Urban Water Management Plan (UWMP).
- Staff stated that the WSA&V Report discusses the development of sufficient and reliable water supplies to

meet the challenge of existing and future water supply demands. The report also documents planned water supply projects and the actions necessary to develop the supplies for a 20-year planning horizon.

- The PowerPoint presentation showed the Water Authority's supplies for years 2020 to 2040, which indicated a total amount of 336,200 acre-feet by the year 2040. See page 5 of the presentation.
- Page 6 of the PowerPoint presentation provides detail of the Otay Water District's projected balance of supply and demand for years 2020 to 2040. Staff noted that the information was based on data from the District's 2015 Urban Water Management Plan.
- Staff stated that based on the findings from the District's 2015 UWMP and the Water Authority's 2015 UWMP, there are no unanticipated demands for this project.
- Staff noted that the state of the current water supply situation is documented in the University Innovation District WSA&V Report and shows that the District has met the intent of SB 610 and SB 221.
- In response to a question from the Committee, staff stated that the larger University project site is outside of the Lower Otay Reservoir drainage basin and therefore will be able to use recycled water. The smaller project site adjacent to the reservoir is in the same drainage basin as Lower Otay Reservoir where the City of San Diego does not allow recycled water use.

Following the discussion, the Committee supported staffs' recommendation and presentation to the full board as an action item.



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EXHIBIT A

## **EXHIBIT B**

### **Background Information**

The Otay Water District (District) prepared the updated August 2016 Water Supply Assessment and Verification (WSA&V) Report for the City of Chula Vista University Innovation District Project at the request of the City of Chula Vista (City). The City's WSA&V request letter dated August 31, 2016 was received by the District on August 31, 2016 so the 90-day deadline for the District to provide the Board an approved WSA&V Report to the City ends November 29, 2016.

The City of Chula Vista University Innovation District Project is located within the jurisdictions of the District, the San Diego County Water Authority (Water Authority), and the Metropolitan Water District of Southern California (MWD). See Exhibit A for Project location. To obtain permanent imported water supply service, land areas are required to be within the jurisdictions of the District, Water Authority, and MWD.

The August 2016 WSA&V Report for the City of Chula Vista University Innovation District Project has been prepared by the District in consultation with Dexter Wilson Engineering, Inc., the Water Authority, and the City, pursuant to Public Resources Code Section 21151.9 and California Water Code Sections 10631, 10656, 10910, 10911, 10912, and 10915 referred to as Senate Bill (SB) 610 and Government Code Sections 65867.5, 66455.3, and 66473.7 referred to as SB 221. SB 610 and SB 221 amended state law, effective January 1, 2002, intending to improve the link between information on water supply availability and certain land use decisions made by cities and counties. SB 610 requires that the water purveyor of the public water system prepare a water supply assessment to be included in the California Environmental Quality Act (CEQA) environmental documentation and approval process of certain proposed projects. SB 221 requires affirmative written verification from the water purveyor of the public water system that sufficient water supplies are to be available for certain residential subdivision of property. The requirements of SB 610 and SB 221 are addressed in the August 2016 WSA&V Report for the City of Chula Vista University Innovation District Project.

The expected potable water demands for the City of Chula Vista University Innovation District Project are 840,688 gallons per day (gpd) or about 941.7 acre-feet per year (AFY). This is 11.7 AFY higher than the demand estimate in the District's 2010 Water Resources Master Plan Update.

The 11.7 AFY increase in demand is accounted for through the Accelerated Forecasted Growth demand increment of the Water Authority's 2015 Urban Water Management Plan (UWMP). As documented in the Water Authority's 2015 UWMP, the Water Authority is planning to meet future and existing demands, which include the demand increment associated with the accelerated forecasted growth. The Water Authority will assist its member agencies in tracking the environmental documents provided by the agencies that include water supply assessments and verifications reports that utilize the

accelerated forecasted growth demand increment to demonstrate supplies for the development. In addition, the next update of the demand forecast for the Water Authority's 2020 UWMP will be based on SANDAG's most recently updated forecast, which will include the Project. Therefore, based on the findings from the Otay WD's 2015 UWMP and the Water Authority's 2015 UWMP, this Project will result in no unanticipated demands.

The District currently depends on the Water Authority and the MWD for all of its potable water supplies and regional water resource planning. The District's 2015 Urban Water Management Plan (UWMP) relies heavily on the UWMP's and Integrated Water Resources Plans (IRPs) of the Water Authority and MWD for documentation of supplies available to meet projected demands. These plans are developed to manage the uncertainties and variability of multiple supply sources and demands over the long-term through preferred water resources strategy adoption and resource development target approvals for implementation.

MWD, in January 2016, approved the update of their Integrated Water Resources Plan (IRP). The 2015 IRP Update describes an adaptive management approach to mitigate against future water supply uncertainty. The new uncertainties that are significantly affecting California's water resources include:

- The State Water Project (SWP) supplies which are affected by a changing climate and the operational constraints in the ecologically struggling Sacramento-San Joaquin Delta.
- Periodic extended drought conditions.

These uncertainties have rightly caused concern among Southern California water supply agencies regarding the validity of the current water supply documentation.

MWD is currently involved in several proceedings concerning Delta operations to evaluate and address environmental concerns. In addition, at the State level, the Delta Vision and Bay-Delta Conservation Plan processes are defining long-term solutions for the Delta.

The SWP represents approximately 9% of MWD's 2025 Dry Resources Mix, with the supply buffer included. A 22% cutback in SWP supply represents an overall 2% (22% of 9% is 2%) cutback in MWD supplies in 2025. Neither the Water Authority nor MWD has stated that there is insufficient water for future planning in Southern California. Each agency is in the process of reassessing and reallocating their water resources.

Under preferential rights, MWD can allocate water without regard to historic water purchases or dependence on MWD. Therefore, the Water Authority and its member agencies are taking measures to reduce dependence on MWD through development of additional supplies and a water supply portfolio that would not be jeopardized by a preferential rights allocation.

As calculated by MWD, the Water Authority's current preferential right is 18.27% of MWD's supply, while the Water Authority accounted for approximately 22% of MWD's total revenue. So MWD could theoretically cut back the Water Authority's supply and theoretically, the Water Authority should have alternative water supply sources to make up for the difference. In the Water Authority's 2010 UWMP, they had already planned to reduce reliance on MWD supplies. This reduction is planned to be achieved through diversification of their water supply portfolio.

The Water Authority's Drought Management Plan (May 2006) provides the Water Authority and its member agencies with a series of potential actions to engage when faced with a shortage of imported water supplies due to prolonged drought conditions. Such actions help avoid or minimize impacts of shortages and ensure an equitable allocation of supplies throughout the San Diego County region.

The Otay Water District Board of Directors could acknowledge the ever-present challenge of balancing water supply with demand and the inherent need to possess a flexible and adaptable water supply implementation strategy that can be relied upon during normal and dry weather conditions. The responsible regional water supply agencies have and will continue to adapt their resource plans and strategies to meet climatological, environmental, and legal challenges so that they may continue to provide water supplies to their service areas. The regional water suppliers (i.e., the Water Authority and MWD), along with the District, fully intend to maintain sufficient reliable supplies through the 20-year planning horizon under normal, single, and multiple-dry year conditions to meet projected demand of the City of Chula Vista University Innovation District Project, along with existing and other planned development projects within the District's service area.

If the regional water suppliers determine additional water supplies will be required, or in this case, that water supply portfolios need to be reassessed and redistributed with the intent to serve the existing and future water needs throughout Southern California, the agencies must indicate the status or stage of development of actions identified in the plans they provide. MWD's 2015 IRP update will then cause the Water Authority to update its IRP, which will then provide the District with the necessary water supply documentation. Identification of a potential future action in such plans does not by itself indicate that a decision to approve or to proceed with the action has been made. The District's Board approval of the Approval of Water Supply Assessment and Verification Report (August 2016) for the City of Chula Vista University Innovation District Project WSA&V Report does not in any way guarantee water supply to the Project.

Alternatively, if the WSA&V Report is written to state that water supply is or will be unavailable; the District must include, in the assessment, a plan to acquire additional water supplies. At this time, the District should not state there is insufficient water supply.

At the present time, based on the information available, the District is able to clearly describe the current water supply situation clearly, indicating intent to provide supply through reassessment and reallocation by the regional, as well as, the local water suppliers. In doing so, it is believed that the Board has met the intent of the SB 610 statute, that the land use agencies and the water agencies are coordinating their efforts in planning water supplies for new development.

With District Board approval of the City of Chula Vista University Innovation District Project WSA&V Report, the City of Chula Vista University Innovation District Project proponents can proceed with the draft environmental documentation required for the CEQA review process. The water supply issues will be addressed in these environmental documents, consistent with the WSA&V Report.

The District, as well as others, can comment on the draft EIR with recommendations that water conservation measures and actions be employed on the City of Chula Vista University Innovation District Project.

Some recent actions regarding water supply assessments and verification reports by Otay Water District are as follows:

- The Board approved the water supply assessment report for the Otay Ranch Village 2 Specific Plan Amendment Project on October 2, 2013.
- The Board approved the water supply assessment report for the Otay Ranch University Villages Project on November 6, 2013.
- The Board approved the water supply assessment report for the Otay Ranch Resort Village Project on May 7, 2014.
- The Board approved the water supply assessment report for the Otay Ranch Planning Area 12 Freeway Commercial Project on April 1, 2015.
- The Board approved the water supply assessment report for the Otay 250 Sunroad East Otay Mesa Business Park Specific Plan Amendment Project on July 6, 2016.

Water supplies necessary to serve the demands of the proposed City of Chula Vista University Innovation District Project, along with existing and other projected future users, as well as the actions necessary to develop these supplies, have been identified in the water supply planning documents of the District, the Water Authority, and MWD.

The WSA&V Report includes, among other information, an identification of existing water supply entitlements, water rights, water service contracts, or agreements relevant to the identified water supply needs for the proposed City of Chula Vista University Innovation District Project. The WSA&V Report demonstrates and documents that sufficient water supplies are planned and are intended to be available over a 20-year

planning horizon, under normal conditions and in single and multiple-dry years, to meet the projected demand of the proposed City of Chula Vista University Innovation District Project and the existing and other planned development projects within the District.

Accordingly, after approval of a WSA&V Report for the City of Chula Vista University Innovation District Project by the District's Board of Directors, the WSA&V Report may be used to comply with the requirements of the legislation enacted by Senate Bills 610 and 221 as follows:

Senate Bill (SB) 610 Water Supply Assessment: The District's Board of Directors approved WSA&V Report may be incorporated into the California Environmental Quality Act (CEQA) compliance process for the City of Chula Vista University Innovation District Project as a water supply assessment report consistent with the requirements of the legislation enacted by SB 610. The City of Chula Vista, as lead agency under the CEQA for the City of Chula Vista University Innovation District Project environmental documentation, may cite the approved WSA&V Report as evidence that a sufficient water supply is planned and intended to be available to serve the City of Chula Vista University Innovation District Project.

Senate Bill (SB) 221 Water Supply Verification: The District's Board of Directors approved WSA&V Report may be incorporated into the City of Chula Vista University Innovation District Project as a water supply verification report, consistent with the requirements of the legislation enacted by SB 221. The City, within their process of approving the City of Chula Vista University Innovation District Project, may cite the approved WSA&V Report as verification of intended sufficient water supply to serve the Project.



**EXHIBIT C**

**OTAY WATER DISTRICT**

**WATER SUPPLY ASSESSMENT AND  
VERIFICATION REPORT**

**for the  
City of Chula Vista  
University Innovation District Project**

**Prepared by:**  
**Lisa Coburn-Boyd**  
**Environmental Compliance Specialist**  
**and**  
**Bob Kennedy, P.E.**  
**Engineering Manager**  
**Otay Water District**  
**In consultation with**  
**Dexter Wilson Engineering, Inc.**  
**And**  
**San Diego County Water Authority**

**August 2016**

**Otay Water District**  
**Water Supply Assessment and Verification Report**  
**August 2016**  
**University Innovation District Project**

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**Appendices**

- Appendix A: University Innovation District Project Vicinity Map
- Appendix B: University Innovation District Project Development Plan

# **Otay Water District Water Supply Assessment Report August 2016**

## **University Innovation District Project**

### **Executive Summary**

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The Otay Water District (Otay WD) prepared this Water Supply Assessment and Verification Report (WSA&V Report) at the request of the City of Chula Vista (City) for the University Innovation District Project. The City is having an environmental impact report (EIR) prepared for the development of this project.

#### **University Innovation District Project Overview and Water Use**

The University Innovation District Project is located within the jurisdictions of the Otay WD, the San Diego County Water Authority (Water Authority), and the Metropolitan Water District of Southern California (MWD). To obtain permanent imported water supply service, land areas are required to be within the jurisdictions of the Otay WD, Water Authority, and MWD.

The City is having an EIR prepared for development of the 383.8 acre site (University Innovation District Project). The land use plan proposes a State university to serve approximately 20,000 students. The project is located within the Otay Ranch General Development Plan along the north side of the Otay River Valley.

The expected potable water demand for the University Innovation District Project is 840,688 gallons per day (gpd) or about 941.7 acre feet per year (AFY). This is 11.7 AFY higher than the projected demands in the District's 2008 Water Resources Master Plan updated November 2010 (WRMP Update) which estimated 930.0 AFY for the same parcels. Recycled water is proposed to be used within the project and the estimated annual average usage is projected to be 159,255 gpd, or 178 AFY.

The 11.7 AFY increase in demand is accounted for through the Accelerated Forecasted Growth demand increment of the Water Authority's 2015 UWMP. As documented in the Water Authority's 2015 UWMP, the Water Authority is planning to meet future and existing demands which include the demand increment associated with the accelerated forecasted growth. The Water Authority will assist its member agencies in tracking the environmental documents provided by the agencies that include water supply assessments and verifications reports that utilize the accelerated forecasted growth demand increment to demonstrate

supplies for the development. In addition, the next update of the demand forecast for the Water Authority's 2020 UWMP will be based on SANDAG's most recently updated forecast, which will include the Project. Therefore, based on the findings from the Otay WD's 2015 UWMP and the Water Authority's 2015 UWMP, this project will result in no unanticipated demands.

The Water Authority's 2015 Urban Water Management Plan (UWMP) provides for a comprehensive planning analysis at a regional level and includes water use associated with accelerated forecasted development as part of its municipal and industrial sector demand projections. These housing and commercial units were identified by the San Diego Association of Government (SANDAG) in the course of its regional housing needs assessment, but are not yet included in existing general land use plans of local jurisdictions. The demand associated with accelerated forecasted residential development is intended to account for SANDAG's land-use development currently projected to occur between 2035 and 2050, but has the likely potential to occur on an accelerated schedule. SANDAG estimates that this accelerated forecasted residential and commercial development forecasted could occur within the planning horizon (2020 to 2040) of the 2015 UWMP. This land-use is not included in local jurisdictions' general plans, so their projected demands are incorporated at a regional level. When necessary, this additional demand increment, termed Accelerated Forecasted Growth, can be used by member agencies to meet the demands of development projects not identified in the general land use plans.

### **Planned Imported Water Supplies from the Water Authority and MWD**

The Water Authority and MWD have an established process that ensures supplies are being planned to meet future growth. Any annexations and revisions to established land use plans are captured in the San Diego Association of Governments (SANDAG) updated forecasts for land use planning, demographics, and economic projections. SANDAG serves as the regional, intergovernmental planning agency that develops and provides forecast information. The Water Authority and MWD update their demand forecasts and supply needs based on the most recent SANDAG forecast approximately every five years to coincide with preparation of their UWMP's. Prior to the next forecast update, local jurisdictions with land use authority may require water supply assessment and/or verification reports for proposed land developments that are not within the OTAY WD, Water Authority, or MWD jurisdictions (i.e. pending or proposed annexations) or that have revised land use plans with either lower or higher development intensities than reflected in the existing growth forecasts. Proposed land areas with pending or proposed annexations, or revised land use plans, typically result in creating higher demand and supply requirements than previously anticipated. The OTAY WD, Water Authority, and MWD next demand forecast and supply requirements and associated planning documents would then capture any increase or decrease in demands and required supplies as a result of annexations or revised land use planning decisions.

An important planning document utilized by MWD, the Water Authority and OTAY WD is the Integrated Resources Plan (IRP) which describes an agency's long term water plan. MWD's 2015 IRP offers an adaptive management strategy to protect the region from future supply shortages. This adaptive management strategy has five components: achieve additional conservation savings, develop additional local water supplies, maintain Colorado River Aqueduct supplies, stabilize State Water Project supplies, and maximize the effectiveness of storage and transfer. MWD's 2015 IRP has a plan for identifying and implementing additional resources that expand the ability for MWD to meet future changes and challenges as necessary to ensure future reliability of supplies. The proper management of these resources help to ensure that the southern California region, including San Diego County, will have adequate water supplies to meet long-term future demands.

Another important planning document is the UWMP. The California Urban Water Management Planning Act (Act), which is included in the California Water Code, requires all urban water suppliers within the state to prepare an UWMP and update it every five years. The purpose and importance of the UWMP has evolved since it was first required 25 years ago. State agencies and the public frequently use the document to determine if agencies are planning adequately to reliably meet future demands. As such, UWMPs serve as an important element in documenting supply availability for the purpose of compliance with state laws, Senate Bills 610 and 221, linking water supply sufficiency to large land-use development approval. Agencies must also have a UWMP prepared, pursuant to the Act, in order to be eligible for state funding and drought assistance.

MWD's 2015 UWMP Findings state that MWD has supply capabilities that would be sufficient to meet expected demands from 2020 through 2040. MWD has plans for supply implementation and continued development of a diversified resource mix including programs in the Colorado River Aqueduct, State Water Project, Central Valley Transfers, local resource projects, and in-region storage that enables the region to meet its water supply needs. MWD's 2015 UWMP identifies potential reserve supplies in the supply capability analysis (Tables 2-4, 2-5, and 2-6), which could be available to meet the unanticipated demands such as those related to the University Innovation District Project.

The County Water Authority Act, Section 5 subdivision 11, states that the Water Authority "as far as practicable, shall provide each of its member agencies with adequate supplies of water to meet their expanding and increasing needs."

As part of preparation of a written water supply assessment report, an agency's shortage contingency analysis should be considered in determining sufficiency of supply. Section 11 of the Water Authority's 2015 UWMP Update contain a detailed shortage contingency analysis that addresses a regional catastrophic shortage situation and drought management. The analysis demonstrates that the Water Authority and its member agencies, through the Integrated Contingency Plan, Emergency Storage Project, and Water Shortage and Drought Response Plan are taking actions to prepare for and appropriately handle an interruption of water supplies. The Water Shortage and Drought Response Plan, provides the Water

Authority and its member agencies with a series of potential actions to take when faced with a shortage of imported water supplies from MWD due to prolonged drought or other supply shortfall conditions. The actions will help the region avoid or minimize the impacts of shortages and ensure an equitable allocation of supplies.

Water supply agencies throughout California continue to face climate, environmental, legal, and other challenges that impact water source supply conditions, such as the court rulings regarding the Sacramento-San Joaquin Delta issues and the current ongoing drought impacting the western states. Even with these ever present challenges, the Water Authority and MWD, along with Otay WD fully intend to have sufficient, reliable supplies to serve demands.

### **Otay Water District Water Supply Development Program**

In evaluating the availability of sufficient water supply, the University Innovation District Project will be required to participate in the water supply development program being implemented by the Otay WD. This is intended to be achieved through financial participation in several local and/or regional water supply development projects envisioned by the Otay WD. These water supply projects are in addition to those identified as sustainable supplies in the current Water Authority and MWD UWMP, IRP, Master Plans, and other planning documents, and are in response to the regional water supply issues. These new water supply projects are not currently developed and are in various stages of the planning process. Imported water supplies along with the development of these additional Otay WD water supply development projects supplies are intended to increase water supplies to serve the University Innovation District Project water supply needs and that of other similar development projects. The Otay WD water supply development program includes but is not limited to projects such as the Middle Sweetwater River Basin Groundwater Well project, the Rancho del Rey Groundwater Well project, the North District Recycled Water Supply Concept, and the Rosarito Ocean Desalination Facility project. The Water Authority and MWD's next forecasts and supply planning documents would capture any increase in water supplies resulting from any new water resources developed by the Otay WD.

### **Findings**

The WSA&V Report identifies and describes the processes by which water demand projections for the proposed University Innovation District project will be fully included in the water demand and supply forecasts of the Urban Water Management Plans and other water resources planning documents of the Water Authority and MWD. Water supplies necessary to serve the demands of the proposed project, along with existing and other projected future users, as well as the actions necessary and status to develop these supplies, have been identified in the University Innovation District project WSA&V Report and will be included in the future water supply planning documents of the Water Authority and MWD.

This WSA&V Report includes, among other information, an identification of existing water supply entitlements, water rights, water service contracts, water supply projects, or agreements relevant to the identified water supply needs for the proposed University Innovation District project. The WSA&V Report demonstrates and documents that sufficient water supplies are planned for and are intended to be available over a 20-year planning horizon, under normal conditions and in single and multiple dry years to meet the projected demand of the proposed University Innovation District project and the existing and other planned development projects to be served by the Otay WD.

Accordingly, after approval of a WSA&V Report for the University Innovation District project by the Otay WD Board of Directors (Board), the WSA&V Report may be used to comply with the requirements of the legislation enacted by Senate Bills 610 and 221 as follows:

1. Senate Bill 610 Water Supply Assessment: The Otay WD Board approved WSA&V Report may be incorporated into the California Environmental Quality Act (CEQA) Environmental Impact Report (EIR) compliance process for the University Innovation District project as a water supply assessment report consistent with the requirements of the legislation enacted by SB 610. The City as lead agency under CEQA for the University Innovation District project EIR amendment may cite the approved WSA&V Report as evidence that a sufficient water supply is planned for and is intended to be made available to serve the University Innovation District project.
2. Senate Bill 221 Water Supply Verification: The Otay WD Board approved WSA&V Report may be incorporated into the City's Tentative Map approval process for the University Innovation District project as a water supply verification report, consistent with the requirements of the legislation enacted by SB 221. The City, within their process of approving the University Innovation District project's Tentative Map, may cite the approved WSA&V Report as verification of intended sufficient water supply to serve the University Innovation District project.

## **Section 1 - Purpose**

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The City of Chula Vista is having an environmental impact report (EIR) prepared for the development of the 383.8 acre parcel (University Innovation District Project). The project is located within the Otay Ranch General Development Plan along the north side of the Otay River Valley. The City requested that the Otay WD prepare a Water Supply Assessment and Verification (WSA&V) Report for the University Innovation District Project. The University Innovation District Project description is provided in Section 3 of this WSA&V Report.

This WSA&V Report for the University Innovation District project has been prepared by the Otay WD in consultation with Dexter Wilson Engineering, Inc., the Water Authority, and the

City pursuant to Public Resources Code Section 21151.9 and California Water Code Sections 10631, 10656, 10910, 10911, 10912, and 10915 referred to as Senate Bill (SB) 610 and Business and Professions Code Section 11010 and Government Code Sections 65867.5, 66455.3, and 66473.7 referred to as SB 221. SB 610 and SB 221 amended state law, effective January 1, 2002, intending to improve the link between information on water supply availability and certain land use decisions made by cities and counties. SB 610 requires that the water purveyor of the public water system prepare a water supply assessment to be included in the CEQA documentation and approval process of certain proposed projects. SB 221 requires affirmative written verification from the water purveyor of the public water system that sufficient water supplies are to be available for certain residential subdivisions of property prior to approval of a tentative map. The requirements of SB 610 and SB 221 are being addressed by this WSA&V Report.

The City also requested, since the requirements of SB 610 and SB 221 are substantially similar, that Otay WD prepare both the water supply assessment and verification concurrently.

This WSA&V Report evaluates water supplies that are planned to be available during normal, single dry year, and multiple dry water years during a 20-year planning horizon to meet existing demands, expected demands of the University Innovation District Project, and reasonably foreseeable planned future water demands to be served by Otay WD. The Otay Water District Board of Directors approved WSA&V Report is planned to be used by the City in its evaluation of the University Innovation District Project under the CEQA approval process procedures.

## **Section 2 - Findings**

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The City of Chula Vista is having an EIR prepared for the development of the 383.8 acre parcel (University Innovation District Project). The Otay WD prepared this WSA&V Report at the request of the City for the University Innovation District Project.

The University Innovation District Project is located within the jurisdictions of the Otay WD, the Water Authority, and MWD. To obtain permanent imported water supply service, land areas are required to be within the jurisdictions of the Otay WD, Water Authority, and MWD to utilize imported water supply.

The expected potable water demand for the University Innovation District Project is 840,688 gallons per day (gpd) or about 941.7 acre feet per year (AFY). This is 11.7 AFY higher than the demand estimate in the District's WRMP Update which estimated 930.0 AFY. Recycled water is also proposed to be used on the project and is projected to be an average of 159,255 gpd, or 178 AFY.

The 11.7 AFY increase in demand is accounted for through the Accelerated Forecasted Growth demand increment of the Water Authority's 2015 UWMP. As documented in the Water Authority's 2015 UWMP, the Water Authority is planning to meet future and existing demands which include the demand increment associated with the accelerated forecasted growth. The Water Authority will assist its member agencies in tracking the environmental documents provided by the agencies that include water supply assessments and verifications reports that utilize the accelerated forecasted growth demand increment to demonstrate supplies for the development. In addition, the next update of the demand forecast for the Water Authority's 2020 UWMP will be based on SANDAG's most recently updated forecast, which will include the Project. Therefore, based on the findings from the Otay WD's 2015 UWMP and the Water Authority's 2015 UWMP, this project will result in no unanticipated demands.

The Water Authority's 2015 UWMP Update provides for a comprehensive planning analysis at a regional level and includes water use associated with accelerated forecasted development as part of its municipal and industrial sector demand projections. These housing and commercial units were identified by the SANDAG in the course of its regional housing needs assessment, but are not yet included in existing general land use plans of local jurisdictions. The demand associated with accelerated forecasted residential development is intended to account for SANDAG's land-use development currently projected to occur between 2035 and 2050, but has the likely potential to occur on an accelerated schedule. SANDAG estimates that this accelerated forecasted residential and commercial development forecasted could occur within the planning horizon (2020 to 2040) of the Water Authority's 2015 UWMP. This land-use is not included in local jurisdictions' general plans, so their projected demands are incorporated at a regional level. When necessary, this additional demand increment, termed Accelerated Forecasted Growth, can be used by member agencies to meet the demands of development projects not identified in the general land use plans.

The Water Authority and MWD have an established process that ensures supplies are being planned to meet future growth. Any annexations and revisions to established land use plans are captured in the San Diego Association of Governments (SANDAG) updated forecasts for land use planning, demographics, and economic projections. SANDAG serves as the regional, intergovernmental planning agency that develops and provides forecast information. The Water Authority and MWD update their demand forecasts and supply needs based on the most recent SANDAG forecast approximately every five years to coincide with preparation of their urban water management plans. Prior to the next forecast update, local jurisdictions may require water supply assessment and/or verification reports for proposed land developments that are not within the Otay WD, Water Authority, or MWD jurisdictions (i.e. pending or proposed annexations) or that have revised land use plans with lower or higher land use intensities than reflected in the existing growth forecasts. Proposed land areas with pending or proposed annexations, or revised land use plans, typically result in creating higher demand and supply requirements than anticipated. The Otay WD, the Water Authority, and MWD next demand forecast and supply requirements and associated planning documents would then

capture any increase or decrease in demands and required supplies as a result of annexations or revised land use planning decisions.

This process is utilized by the Water Authority and MWD to document the water supplies necessary to serve the demands of the University Innovation District project, along with existing and other projected future users, as well as the actions necessary to develop any required water supplies. Through this process the necessary demand and supply information is thus assured to be identified and incorporated within the water supply planning documents of the Water Authority and MWD.

This WSA&V Report includes, among other information, an identification of existing water supply entitlements, water rights, water service contracts, proposed water supply projects, and agreements relevant to the identified water supply needs for the proposed University Innovation District Project. This WSA&V Report incorporates by reference the current Urban Water Management Plans and other water resources planning documents of the Otay WD, the Water Authority, and MWD. The Otay WD prepared this WSA&V Report to assess and document that sufficient water supplies are planned for and are intended to be acquired to meet projected water demands of the University Innovation District Project as well as existing and other reasonably foreseeable planned development projects within the Otay WD for a 20-year planning horizon, in normal supply years and in single dry and multiple dry years.

The Otay Water District 2015 UWMP includes a water conservation component to comply with Senate Bill 7 of the Seventh Extraordinary Session (SBX 7-7), which became effective February 3, 2010. This new law was the water conservation component to the Delta legislation package, and seeks to achieve a 20 percent statewide reduction in urban per capita water use in California by December 31, 2020. Specifically, SBX 7-7 from this Extraordinary Session requires each urban retail water supplier to develop urban water use targets to help meet the 20 percent reduction goal by 2020 (20x2020), and an interim water reduction target by 2015.

Otay WD adopted Method 1 to set its 2015 interim and 2020 water use targets. Method 1 requires setting the 2020 water use target to 80 percent of baseline per capita water use target as provided in the State's 20x2020 Water Conservation Plan. The Otay WD 2015 target was 172 gpcd which it met (2015 actual was 124 gpcd) and the 2020 gpcd target (80 percent of baseline) is 153 gpcd. The Otay WD's recent per capita water use has been declining and current water use already meets the 2020 target as calculated using Method 1. This recent decline in per capita water use is largely due to drought water use restrictions, increased water costs, and economic conditions. However, Otay WD's effective water use awareness campaign and enhanced conservation mentality of its customers will likely result in some long-term carryover of these reduced consumption rates.

Based on a normal water supply year, the five-year increments for a 20-year projection indicate projected potable and recycled water supply is being planned for and is intended to be acquired to meet the estimated water demand targets of the Otay WD (42,720 acre-feet (ac-ft)

in 2020 to 57,582 ac-ft in 2040) per the Otay Water District 2015 UWMP. Based on dry year forecasts, the estimated water supply is also being planned for and is intended to be acquired to meet the projected water demand, during single dry and multiple dry year scenarios. On average, the dry-year demands are about 6.64 percent higher than the normal year demands. The Otay WD recycled water supply is assumed to be drought-proof and not subject to reduction during dry periods.

Together, these findings assess, demonstrate, and document that sufficient water supplies are planned for and are intended to be acquired, as well as the actions necessary and status to develop these supplies are and will be further documented, to serve the proposed University Innovation District Project and the existing and other reasonably foreseeable planned development projects within the Otay WD in both normal and single and multiple dry year forecasts for a 20-year planning horizon.

### **Section 3 - Project Description**

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The University Innovation District Project is located along the north side of the Otay River Valley within the Otay Ranch Development. Refer to Appendix A for a vicinity map of the proposed University Innovation District Project. The project is proposed to be located on 383.8 acres within the City of Chula Vista Otay Ranch General Development Plan. Although the proposed development is located within the municipal boundaries of the City and subject to the City's land use jurisdiction, the Otay WD is the potable and recycled water purveyor. The University Innovation District Project is within the jurisdictions of the Otay WD, the Water Authority, and MWD.

The University Innovation District Project is planned to include a State university site with education buildings, student housing, faculty housing, commercial, recreation, and open space areas. The project proposes up to 10,066,200 square feet of development and could include up to 20,000 students, 6,000 faculty/staff members, and 8,000 commercial employees. Up to 6,000 students and 1,200 faculty/staff members could be housed onsite. Refer to Appendix B for the proposed development plan of the University Innovation District project.

The City has discretionary authority on land use decisions for the University Innovation District Project and can establish actions and/or permit approval requirements. The projected potable water demands associated with the University Innovation District Project have considered the anticipated City discretionary actions and/or permit approvals and are incorporated into and used in this WSA&V Report. The water demands for the proposed University Innovation District Project are included in the projected water demand estimates provided in Section 5 – Historical and Projected Water Demands.

## **Section 4 – Otay Water District**

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The Otay WD is a municipal water district formed in 1956 pursuant to the Municipal Water District Act of 1911 (Water Code §§ 71000 et seq.). The Otay WD joined the Water Authority as a member agency in 1956 to acquire the right to purchase and distribute imported water throughout its service area. The Water Authority is an agency responsible for the wholesale supply of water to its 24 public agency members in San Diego County.

The Otay WD currently meets all its potable demands with imported treated water from the Water Authority. The Water Authority is the agency responsible for the supply of imported water into San Diego County through its membership in MWD. The Water Authority currently obtains about half of its imported supply from MWD, but is in the process of further diversifying its available supplies.

The Otay WD provides water service to residential, commercial, industrial, and agricultural customers, and for environmental and fire protection uses. In addition to providing water throughout its service area, Otay WD also provides sewage collection and treatment services to a portion of its service area known as the Jamacha Basin. The Otay WD also owns and operates the Ralph W. Chapman Water Reclamation Facility (RWCWRF) which has an effective treatment capacity of 1.2 million gallons per day (mgd) or about 1,300 acre feet per year to produce recycled water. On May 18, 2007, an additional source of recycled water supply of at least 6 mgd, or about 6,720 acre feet per year, became available to Otay WD from the City of San Diego's South Bay Water Reclamation Plant (SBWRP).

The Otay WD jurisdictional area is generally located within the south central portion of San Diego County and includes approximately 125 square miles. The Otay WD serves portions of the unincorporated communities of southern El Cajon, La Mesa, Rancho San Diego, Jamul, Spring Valley, Bonita, and Otay Mesa, the eastern portion of the City of Chula Vista and a portion of the City of San Diego on Otay Mesa. The Otay WD jurisdiction boundaries are roughly bounded on the north by the Padre Dam Municipal Water District, on the northwest by the Helix Water District, and on the west by the South Bay Irrigation District (Sweetwater Authority) and the City of San Diego. The southern boundary of Otay WD is the international border with Mexico.

The planning area addressed in the 2008 Otay WD WRMP Update and the Otay WD 2015 UWMP includes both the land within the jurisdictional boundary of the Otay WD and those areas outside of the present Otay WD boundaries considered to be in the Area of Influence of the Otay WD. Figure 3-1 contained within the Otay WD 2015 UWMP shows the jurisdictional boundary of the Otay WD and the Area of Influence. The planning area is approximately 143 square miles, of which approximately 125 square miles are within the Otay WD current boundaries and approximately 18 square miles are in the Area of Influence. The area east of Otay WD is rural and currently not within any water purveyor jurisdiction

and potentially could be served by the Otay WD in the future if the need for imported water becomes necessary, as is the case for the Area of Influence.

The City of Chula Vista, the City of San Diego, and the County of San Diego are the three land use planning agencies within the Otay WD jurisdiction. Data on forecasts for land use planning, demographics, economic projections, population, and the future rate of growth within Otay WD were obtained from the San Diego Association of Governments (SANDAG). SANDAG serves as the regional, intergovernmental planning agency that develops and provides forecast information through the year 2050. Population growth within the Otay WD service area is expected to increase from the 2015 figure of 217,339 to an estimated 285,340 by 2040. Land use information used to develop water demand projections are based upon Specific or Sectional Planning Areas, the Otay Ranch General Development Plan/Sub-regional Plan, East Otay Mesa Specific Plan Area, San Diego County Community Plans, and City of San Diego, City of Chula Vista, and County of San Diego General Plans.

The Otay WD long-term historic growth rate has been approximately 4 percent. The growth rate has significantly slowed due to the current economic conditions and it is expected to slow as the inventory of developable land is diminished.

Climatic conditions within the Otay WD service area are characteristically Mediterranean near the coast, with mild temperatures year round. Inland areas are both hotter in summer and cooler in winter, with summer temperatures often exceeding 90 degrees and winter temperatures occasionally dipping to below freezing. Most of the region's rainfall occurs during the months of December through March. Average annual rainfall is approximately 12.17 inches per year.

Historic climate data were obtained from the Western Regional Climate Center for Station 042706 (El Cajon). This station was selected because its annual temperature variation is representative of most of the Otay WD service area. While there is a station in the City of Chula Vista, the temperature variation at the City of Chula Vista station is more typical of a coastal environment than the conditions in most of the Otay WD service area.

### **Urban Water Management Plan**

In accordance with the California Urban Water Management Planning Act and recent legislation, the Otay WD Board of Directors adopted an UWMP in June 2016 and subsequently submitted the plan to the California Department of Water Resources (DWR). As required by law, the Otay Water District 2015 UWMP includes projected water supplies required to meet future demands through 2040. In accordance with Water Code Section 10910 (c)(2) and Government Code Section 66473.7 (c)(3), information from the Otay WD 2015 UWMP along with supplemental information from the Otay WD WRMP Update have been utilized to prepare this WSA Report and are incorporated herein by reference.

The state Legislature passed Senate Bill 7 as part of the Seventh Extraordinary Session (SBX 7-7) on November 10, 2009, which became effective February 3, 2010. This new law was the water conservation component to the Delta legislation package and seeks to achieve a 20 percent statewide reduction in urban per capita water use in California by December 31, 2020. Specifically, SBX 7-7 from this Extraordinary Session requires each urban retail water supplier to develop urban water use targets to help meet the 20 percent reduction goal by 2020 (20x2020), and an interim water reduction target by 2015.

The SBX 7-7 target setting process includes the following: (1) baseline daily per capita water use; (2) urban water use target; (3) interim water use target; (4) compliance daily per capita water use, including technical bases and supporting data for those determinations. In order for an agency to meet its 2020 water use target, each agency can increase its use of recycled water to offset potable water use and also step up its water conservation measures. The required water use targets for 2020 and an interim target for 2015 are determined using one of four target methods – each method has numerous methodologies.

In 2015, urban retail water suppliers were required to report interim compliance followed by actual compliance in 2020. Interim compliance is halfway between the baseline water use and 2020 target. Baseline, target, and compliance-year water use estimates are required to be reported in gallons per capita per day (gpcd).

Failure to meet adopted targets will result in the ineligibility of a water supplier to receive grants or loans administered by the State unless one (1) of two (2) exceptions is met. Exception one (1) states a water supplier may be eligible if they have submitted a schedule, financing plan, and budget to DWR for approval to achieve the per capita water use reductions. Exception two (2) states a water supplier may be eligible if an entire water service area qualifies as a disadvantaged community.

Otay WD adopted Method 1 to set its 2015 interim and 2020 water use targets. Method 1 requires setting the 2020 water use target to 80 percent of baseline per capita water use target as provided in the State's 20x2020 Water Conservation Plan. The Otay WD was well below its required 2015 target of 172 gpcd, with an actual 2015 gpcd of 124. The 2020 gpcd target which is 80 percent of baseline is 153 gpcd.

The Otay WD's recent per capita water use has been declining to the point where current water use already meets the 2020 target for Method 1. This recent decline in per capita water use is largely due to drought water use restrictions, increased water costs, and poor economic conditions. However, Otay WD's effective water use awareness campaign and enhanced conservation mentality of its customers will likely result in some long-term carryover of these reduced consumption rates beyond the current drought period.

## **Section 5 – Historical and Projected Water Demands**

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The projected demands for Otay WD are based on Specific or Sectional Planning Areas, the Otay Ranch General Development Plan/Sub-regional Plan, the East Otay Mesa Specific Plan Area, San Diego County Community Plans, and City of San Diego, City of Chula Vista, and County of San Diego General Plans. This land use information is also used by SANDAG as the basis for its most recent forecast data. This land use information was utilized for the preparation of the Otay Water District WRMP Update and Otay Water District 2015 UWMP to develop the forecasted demands and supply requirements.

In 1994, the Water Authority selected the Institute for Water Resources-Municipal and Industrial Needs (MAIN) computer model to forecast municipal and industrial water use for the San Diego region. The MAIN model uses demographic and economic data to project sector-level water demands (i.e. residential and non-residential demands). This econometric model has over a quarter of a century of practical application and is used by many cities and water agencies throughout the United States. The Water Authority's version of the MAIN model was modified to reflect the San Diego region's unique parameters and is known as CWA-MAIN.

The foundation of the water demand forecast is the underlying demographic and economic projections. This was a primary reason why, in 1992, the Water Authority and SANDAG entered into a Memorandum of Agreement (MOA) in which the Water Authority agreed to use the SANDAG current regional growth forecast for water supply planning purposes. In addition, the MOA recognizes that water supply reliability must be a component of San Diego County's regional growth management strategy required by Proposition C, as passed by the San Diego County voters in 1988. The MOA ensures a strong linkage between local general plan land use forecasts and water demand projections and resulting supply needs for the San Diego region.

Consistent with the previous CWA-MAIN modeling efforts, on October 15, 2013, the SANDAG Board of Directors accepted the Series 12: 2050 Regional Growth Forecast. The 2050 Regional Growth Forecast will be used by SANDAG as the foundation for the next Regional Comprehensive Plan update. SANDAG forecasts were used by local governments for planning, including the Water Authority 2015 UWMP update .

The municipal and industrial forecast also included an updated accounting of projected conservation savings based on projected regional implementation of the California Urban Water Conservation Council (CUWCC) Best Management Practices and SANDAG demographic information for the period 2015 through 2040. These savings estimates were then factored into the baseline municipal and industrial demand forecast.

A separate agricultural model, also used in prior modeling efforts, was used to forecast agricultural water demands within the Water Authority service area. This model estimates

agricultural demand to be met by the Water Authority's member agencies based on agricultural acreage projections provided by SANDAG, crop distribution data derived from the Department of Water Resources and the California Avocado Commission, and average crop-type watering requirements based on California Irrigation Management Information System data.

The Water Authority and MWD update their water demand and supply projections within their jurisdictions utilizing the SANDAG most recent growth forecast to project future water demands. This provides for the important strong link between demand and supply projections to the land use plans of the cities and the county. This provides for consistency between the retail and wholesale agencies water demand projections, thereby ensuring that adequate supplies are and will be planned for the Otay WD existing and future water users. Existing land use plans, any revisions to land use plans, and annexations are captured in the SANDAG updated forecasts. The Water Authority and MWD update their demand forecasts based on the SANDAG most recent forecast approximately every five years to coincide with preparation of their urban water management plans. Prior to the next forecast update, local jurisdictions may require water supply assessment and/or verification reports consistent with Senate Bills 610 and 221 for proposed land use developments that either have pending or proposed annexations into the Otay WD, Water Authority, and MWD or that have revised land use plans than originally anticipated. The Water Authority and MWD's next forecasts and supply planning documents would then capture any increase or decrease in demands caused by annexations or revised land use plans.

In evaluating the availability of sufficient water supply, the University Innovation District Project proponents are required to participate in the development of alternative water supply project(s). This can be achieved through payment of the New Water Supply Fee adopted by the Otay WD Board in May 2010. These water supply projects are in addition to those identified as sustainable supplies in the current Water Authority and MWD UWMP, IRP, Master Plans, and other planning documents. These new water supply projects are in response to the regional water supply issues related to the Sacramento-San Joaquin Delta and the current ongoing western states drought conditions. These additional water supply projects are not currently developed and are in various stages of the planning process. A few examples of these alternative water supply projects include the Middle Sweetwater River Basin Groundwater Well project, the Otay WD Desalination project, and the Rancho del Rey Groundwater Well project. The Water Authority and MWD next forecast and supply planning documents would capture any increase in water supplies resulting from verifiable new water resources developed by the Otay WD.

In addition, MWD's 2015 UWMP identified potential reserve supplies in the supply capability analysis (Tables 2-4, 2-5, and 2-6), which could be available to meet any unanticipated demands. The Water Authority and MWD's next forecasts and supply planning documents would capture any increase in necessary supply resources resulting from any new water supply resources.

## **Demand Methodology**

The Otay WD water demand projection methodology in the WRMP Update utilizes a component land use approach. This is done by applying representative values of water use to the acreage of each land use type and then aggregating these individual land use demand projections into an overall total demand for the Otay WD. This is called the water duty method, and the water duty is the amount of water used in gallons per day per acre per year. This approach is used for all the land use types except residential development where a demand per dwelling unit was applied. In addition, commercial and industrial water use categories are further subdivided by type including separate categories for golf courses, schools, jails, prisons, hospitals, etc. where specific water demands are established.

To determine water duties for the various types of land use, the entire water meter database of the Otay WD is utilized and sorted by the appropriate land use types. The metered consumption records are then examined for each of the land uses, and water duties are determined for the various types of residential, commercial, industrial, and institutional land uses. For example the water duty factors for commercial and industrial land uses are estimated using 1,785 and 893 gallons per day per acre (gpd/acre) respectively. Residential water demand is established based on the same data but computed on a per-dwelling unit basis. The focus is to ensure that for each of the residential land use categories (very low, low, medium, and high densities), the demand criteria used is adequately represented based upon actual data. This method is used because residential land uses constitute a substantial percentage of the total developable planning area of the Otay WD.

The WRMP Update calculates potable water demand by taking the gross acreage of a site and applying a potable water reduction factor (PWRF), which is intended to represent the percentage of acreage to be served by potable water and that not served by recycled water for irrigation. For industrial land use, as an example, the PWRF is 0.95 (i.e., 95% of the site is assumed to be served by potable water, 5% of the site is assumed to be irrigated with recycled water, if available). The potable net acreage is then multiplied by the unit demand factor corresponding to its respective land use. This approach is used in the WRMP Update for all the land use types except residential development where a demand per dwelling unit is applied. In addition, commercial and industrial water use categories are further subdivided by type including separate categories for golf courses, schools, jails, prisons, hospitals, etc. where specific water demands are allocated.

## **Otay Water District Projected Demand**

By applying the established water duties to the proposed land uses, the projected water demand for the entire Otay WD planning area at ultimate development is determined. Projected water demands for the intervening years were determined using growth rate projections consistent with data obtained from SANDAG and the experience of the Otay WD.

The historical and projected potable water demands for Otay WD are shown in Table 1.

**Table 1**  
**Historical and Projected Potable Water Fiscal Year Demands (acre-feet)**

| Water Use Sectors                      | 2010          | 2015          | 2020          | 2025          | 2030          | 2035          | 2040          |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Single Family                          | 17,165        | 16,228        | 17,072        | 19,806        | 20,752        | 20,649        | 23,224        |
| Multi-Family                           | 3,605         | 3,460         | 5,557         | 6,732         | 7,342         | 7,585         | 8,837         |
| Commercial, Industrial & Institutional | 4,110         | 4,953         | 6,577         | 7,949         | 8,653         | 8,923         | 10,378        |
| Landscape                              | 3,732         | 4,079         | 4,400         | 4,600         | 4,700         | 4,900         | 5,200         |
| AFG* - University I. D.                |               |               | 11.7          | 11.7          | 11.7          | 11.7          | 11.7          |
| AFG – PA 12                            |               |               | 46            | 46            | 46            | 46            | 46            |
| AFG – Otay 250                         |               |               | 836           | 836           | 836           | 836           | 836           |
| Near-term Annexations                  |               |               | 2,973         | 2,973         | 2,973         | 2,973         | 2,973         |
| Other                                  | 2,563         | 1,578         | 470           | 470           | 470           | 470           | 470           |
| <b>Totals</b>                          | <b>31,175</b> | <b>30,298</b> | <b>37,943</b> | <b>43,424</b> | <b>45,784</b> | <b>46,394</b> | <b>51,976</b> |

Source: Otay Water District 2015 UWMP.

\*Accelerated Forecasted Growth Increment

### University Innovation District Project Projected Water Demand

Using the land use demand projection methodology noted above, the projected potable water demand for the proposed University Innovation District Project is shown in Table 2. The projected potable water demand is 840,688 gpd, or about 941.7 ac-ft/yr. This potable demand is 11.7 AFY more than was projected for these parcels by the Otay WD WRMP. Recycled water demand projections are provided in Table 3. The projected recycled water use for the project is 159,255 gpd, or 178 AFY.

**Table 2**  
**University Innovation District Project Projected Potable**  
**Water Annual Average Demands**

| <b>Description</b>        | <b>Gross Acreage</b> | <b>Potable Water Factor</b> | <b>Net Potable Acreage/ Capita</b> | <b>Unit Rate</b> | <b>Average Demand</b> |
|---------------------------|----------------------|-----------------------------|------------------------------------|------------------|-----------------------|
| T-1: Future Development   | 99.8                 | 80%                         | 79.84                              | 1,785 gpd/ac     | 142,514               |
| T-2: Campus Vista         | 26.4                 | 80%                         | 21.12                              | 1,785 gpd/ac     | 37,699                |
| T-3: Campus Commons       | 29.0                 | 80%                         | 23.20                              | 1,785 gpd/ac     | 41,412                |
| T-4: Town Center          | 33.6                 | 80%                         | 26.88                              | 1,785 gpd/ac     | 47,981                |
| T-5: Urban Core           | 25.3                 | 80%                         | 20.24                              | 1,785 gpd/ac     | 36,128                |
| T-6: District Gateway     | 20.0                 | 80%                         | 16.00                              | 1,785 gpd/ac     | 28,560                |
| SD: Lake Blocks           | 5.2                  | 100%                        | 5.20                               | 1,785 gpd/ac     | 9,282                 |
| O-1: Habitat Conservation | 41.1                 | 0%                          | 0.00                               | 0                | 0                     |
| O-2: Common Space         | 39.5                 | 80%                         | 31.60                              | 1,785 gpd/ac     | 56,406                |
| O-3: Pedestrian Walk      | 14.5                 | 80%                         | 11.60                              | 1,785 gpd/ac     | 20,706                |
| ROW: Right of Way         | 49.3                 | 0%                          | 0.00                               | 0                | 0                     |
| Students in Housing       | ---                  | 100%                        | 6,000                              | 50 gpd/stdnt     | 300,000               |
| Faculty in Housing        | ---                  | 100%                        | 1,200                              | 100 gpd/fclty    | 120,000               |
| <b>Total</b>              | <b>383.8</b>         |                             |                                    |                  | <b>840,688 gpd</b>    |

**Table 3**  
**University Innovation District Project Projected Recycled**  
**Water Annual Average Demands**

| Description               | Gross Acreage | Recycled Water Factor | Net Recycled Acreage/ Capita | Unit Rate    | Average Demand     |
|---------------------------|---------------|-----------------------|------------------------------|--------------|--------------------|
| T-1: Future Development   | 99.8          | 20%                   | 20.0                         | 2,155 gpd/ac | 43,100             |
| T-2: Campus Vista         | 26.4          | 20%                   | 5.3                          | 2,155 gpd/ac | 11,422             |
| T-3: Campus Commons       | 29.0          | 20%                   | 5.8                          | 2,155 gpd/ac | 12,499             |
| T-4: Town Center          | 33.6          | 20%                   | 6.7                          | 2,155 gpd/ac | 14,439             |
| T-5: Urban Core           | 25.3          | 20%                   | 5.1                          | 2,155 gpd/ac | 10,990             |
| T-6: District Gateway     | 20.0          | 20%                   | 4.0                          | 2,155 gpd/ac | 8,620              |
| SD: Lake Blocks           | 5.2           | 0%                    | 0                            | 2,155 gpd/ac | 0                  |
| O-1: Habitat Conservation | 41.1          | 0%                    | 0                            | 0            | 0                  |
| O-2: Common Space         | 39.5          | 20%                   | 19.75                        | 2,155 gpd/ac | 42,561             |
| O-3: Pedestrian Walk      | 14.5          | 20%                   | 7.25                         | 2,155 gpd/ac | 15,624             |
| ROW: Right of Way         | 49.3          | 0%                    | 0                            | 0            | 0                  |
| <b>Total</b>              | <b>383.8</b>  |                       |                              |              | <b>159,255 gpd</b> |

## 5.1 Demand Management (Water Conservation)

Demand management, or water conservation is a critical part of the Otay Water District 2015 UWMP and its long-term strategy for meeting water supply needs of the Otay WD customers. Water conservation is frequently the lowest cost resource available to any water agency. The goals of the Otay WD water conservation programs are to:

- Reduce the demand for more expensive, imported water.
- Demonstrate continued commitment to the Best Management Practices (BMP).
- Ensure a reliable water supply.

The Otay WD is signatory to the Memorandum of Understanding (MOU) Regarding Urban Water Conservation in California, which created the California Urban Water Conservation Council (CUWCC) in 1991 in an effort to reduce California’s long-term water demands. Water conservation programs are developed and implemented on the premise that water conservation increases the water supply by reducing the demand on available supply, which is vital to the optimal utilization of a region’s water supply resources. The Otay WD participates in many water conservation programs designed and typically operated on a shared cost participation program basis among the Water Authority, MWD, and their member

agencies. The demands shown in Tables 1 and 2 take into account implementation of water conservation measures within Otay WD.

As one of the first signatories to the MOU Regarding Urban Water Conservation in California, the Otay WD has made BMP implementation for water conservation the cornerstone of its conservation programs and a key element in its water resource management strategy. As a member of the Water Authority, Otay WD also benefits from regional programs performed on behalf of its member agencies. The BMP programs implemented by Otay WD and regional BMP programs implemented by the Water Authority that benefit all their member agencies are addressed in the Otay Water District 2015 UWMP. In partnership with the Water Authority, the County of San Diego, City of San Diego, City of Chula Vista, and developers, the Otay WD water conservation efforts are expected to grow and expand. The resulting savings directly relate to additional available water in the San Diego County region for beneficial use within the Water Authority service area, including the Otay WD.

Additional conservation or water use efficiency measures or programs practiced by the Otay WD include the following:

#### Supervisory Control and Data Acquisition System

The Otay WD implemented and has operated for many years a Supervisory Control and Data Acquisition (SCADA) system to control, monitor, and collect data regarding the operation of the water system. The major facilities that have SCADA capabilities are the water flow control supply sources, transmission network, pumping stations, and water storage reservoirs. The SCADA system allows for many and varied useful functions. Some of these functions provide for operating personnel to monitor the water supply source flow rates, reservoir levels, turn on or off pumping units, etc. The SCADA system aids in the prevention of water reservoir overflow events and increases energy efficiency.

#### Water Conservation Ordinance

California Water Code Sections 375 et seq. permit public entities which supply water at retail to adopt and enforce a water conservation program to reduce the quantity of water used by the people therein for the purpose of conserving water supplies of such public entity. The Otay Water District Board of Directors established a comprehensive water conservation program pursuant to California Water Code Sections 375 et seq., based upon the need to conserve water supplies and to avoid or minimize the effects of any future shortage. A water shortage could exist based upon the occurrence of one or more of the following conditions:

1. A general water supply shortage due to increased demand or limited supplies.
2. Distribution or storage facilities of the Water Authority or other agencies become inadequate.
3. A major failure of the supply, storage, and distribution facilities of MWD, Water Authority, and/or Otay WD.

The Otay WD water conservation ordinance finds and determines that the conditions prevailing in the San Diego County area require that the available water resources be put to maximum beneficial use to the extent to which they are capable, and that the waste or unreasonable use, or unreasonable method of use, of water be prevented and that the conservation of such water be encouraged with a view to the maximum reasonable and beneficial use thereof in the interests of the people of the Otay WD and for the public welfare.

Otay WD continues to promote water conservation at a variety of events, including those involving developers in its service area. In addition, Otay WD developed and manages a number of its own programs such as the Cash for WaterSmart Plants retrofit program, the Water Smart Irrigation Upgrade Program, and the Commercial Process Improvement Program.

Otay WD is currently engaged in a number of conservation and water use efficiency activities. Listed below are the current programs that are either on-going or were recently concluded:

- Residential Water Surveys: 2,083 completed since 1994
- Large Landscape Surveys: 205 completed since 1990
- Cash for Water Smart Plants Landscape Retrofit Program: over 2,553,938 square feet of turf grass replaced with water wise plants since 2003
- Rotating Nozzles Rebated: 3,170
- Residential Weather-Based Irrigation Controller (WBIC) Incentive Program: 355 distributed or rebated since 2004
- Residential High Efficiency Clothes Washers: 11,364 rebates since 1994
- Residential ULFT/HET Rebate Program: 22,376 rebates provided between 1991-2010, 1,425 since 2010.
- Outreach Efforts to Otay WD Customers - the Otay WD promotes its conservation programs through staffing outreach events, bill inserts, articles in the Otay WD's quarterly customer Pipeline newsletter, direct mailings to Otay WD customers, the Otay WD's webpage and through the Water Authority's marketing efforts.
- School Education Programs- the Otay WD funds school tours of the Water Conservation Garden, co-funds Splash Labs, provides classroom water themed kits, maintains a library of school age appropriate water themed books, DVDs, and videos, and runs both a school poster contest and a water themed photo contest.
- Water efficiency in new construction through Cal Green and the Model Water Efficient Landscape Ordinance
- Focus on Commercial/Institutional/Industrial through Promoting MWD's Save a Buck (Commercial) Program in conjunction with the Otay WD's own Commercial Process Improvement Program

As a signatory to the MOU Regarding Urban Water Conservation in California, the Otay WD is required to submit biannual reports that detail the implementation of current water conservation practices. The Otay WD voluntarily agreed to implement the fourteen water

conservation Best Management Practices beginning in 1992. The Otay WD submits its report to the CUWCC every two years. The Otay WD BMP Reports for 2011-2012 and 2013-2014 are included in the Otay Water District 2015 UWMP.

## **Section 6 - Existing and Projected Supplies**

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The Otay WD currently does not have an independent raw or potable water supply source. The Otay WD is a member public agency of the Water Authority. The Water Authority is a member public agency of MWD. The statutory relationships between the Water Authority and its member agencies, and MWD and its member agencies, respectively, establish the scope of the Otay WD entitlement to water from these two agencies.

The Water Authority through two delivery pipelines, referred to as Pipeline No. 4 and the Helix Flume Pipeline, currently supply the Otay WD with 100 percent of its potable water. The Water Authority in turn, currently purchases the majority of its water from MWD. Due to the Otay WD reliance on these two agencies, this WSA&V Report includes referenced documents that contain information on the existing and projected supplies, supply programs, and related projects of the Water Authority and MWD. The Otay WD, Water Authority, and MWD are actively pursuing programs and projects to further diversify their water supply resources.

The description of local recycled water supplies available to the Otay WD is also discussed below.

### **6.1 Metropolitan Water District of Southern California 2015 Urban Water Management Plan**

MWD has prepared its 2015 UWMP which was adopted on May 9, 2016. The 2015 UWMP provides MWD's member agencies, retail water utilities, cities, and counties within its service area with, among other things, a detailed evaluation of the supplies necessary to meet future demands, and an evaluation of reasonable and practical efficient water uses, recycling, and conservation activities. During the preparation of the 2015 UWMP, MWD utilized the previous SANDAG regional growth forecast in calculating regional water demands for the Water Authority service area.

#### **6.1.1 Availability of Sufficient Supplies and Plans for Acquiring Additional Supplies**

MWD is a wholesale supplier of water to its member public agencies and obtains its supplies from two primary sources: the Colorado River, via the Colorado River Aqueduct (CRA), which it owns and operates, and Northern California, via the State Water Project (SWP). The

2015 UWMP documents the availability of these existing supplies and additional supplies necessary to meet future demands.

MWD's IRP identifies a mix of resources (imported and local) that, when implemented, will provide 100 percent reliability for full-service demands through the attainment of regional targets set for conservation, local supplies, State Water Project supplies, Colorado River supplies, groundwater banking, and water transfers. The 2015 update to the IRP (2015 IRP Update) describes an adaptive management strategy to protect the region from future supply shortages. This adaptive management strategy has five components: achieve additional conservation savings, develop additional local water supplies, maintain Colorado River Aqueduct supplies, stabilize State Water Project supplies, and maximize the effectiveness of storage and transfer. MWD's 2015 IRP Update has a plan for identifying and implementing additional resources that expand the ability for MWD to meet future changes and challenges as necessary to ensure future reliability of supplies. The proper management of these resources help to ensure that the southern California region, including San Diego County, will have adequate water supplies to meet long-term future demands.

In May 2016, MWD adopted its 2015 UWMP in accordance with state law. The resource targets included in the preceding 2015 IRP Update serve as the foundation for the planning assumptions used in the 2015 UWMP. MWD's 2015 UWMP contains a water supply reliability assessment that includes a detailed evaluation of the supplies necessary to meet demands over a 20-year period in average, single dry year, and multiple dry year periods. As part of this process, MWD also uses the current SANDAG regional growth forecast in calculating regional water demands for the Water Authority's service area.

As stated in MWD's 2015 UWMP, the plan may be used as a source document for meeting the requirements of SB 610 and SB 221 until the next scheduled update is completed in 5 years (2020). The 2015 UWMP includes a "Justifications for Supply Projections" in Appendix A.3, that provides detailed documentation of the planning, legal, financial, and regulatory basis for including each source of supply in the plan. A copy of MWD's 2015 UWMP can be found on the internet at the following site address:

[http://www.mwdh2o.com/PDF\\_About\\_Your\\_Water/2015\\_UWMP.pdf](http://www.mwdh2o.com/PDF_About_Your_Water/2015_UWMP.pdf)

The UWMP updates for both MWD and the Water Authority included the increase in demand projections included in SANDAG's Series 13 Update and from the projections from Otay Water District WRMP Update.

Water supply agencies throughout California continue to face climate, environmental, legal, and other challenges that impact water source supply conditions, such as the court rulings regarding the Sacramento-San Joaquin Delta and the current western states drought conditions. Challenges such as these essentially always will be present. The regional water supply agencies, the Water Authority and MWD, along with Otay WD nevertheless fully intend to have sufficient, reliable supplies to serve demands.

## **6.1.2 MWD Capital Investment Plan**

MWD prepares a Capital Investment Plan as part of its annual budget approval process. The cost, purpose, justification, status, progress, etc. of MWD's infrastructure projects to deliver existing and future supplies are documented in the Capital Investment Plan. The financing of these projects is addressed as part of the annual budget approval process.

MWD's Capital Investment Plan includes a series of projects identified from MWD studies of projected water needs, which, when considered along with operational demands on aging facilities and new water quality regulations, identify the capital projects needed to maintain infrastructure reliability and water quality standards, improve efficiency, and provide future cost savings. All projects within the Capital Investment Plan are evaluated against an objective set of criteria to ensure they are aligned with the MWD's goals of supply reliability and quality.

## **6.2 San Diego County Water Authority Regional Water Supplies**

The Water Authority has adopted plans and is taking specific actions to develop adequate water supplies to help meet existing and future water demands within the San Diego region. This section contains details on the supplies being developed by the Water Authority. A summary of recent actions pertaining to development of these supplies includes:

- In accordance with the Urban Water Management Planning Act, the Water Authority adopted their 2015 UWMP in June 2016. The updated Water Authority 2015 UWMP identifies a diverse mix of local and imported water supplies to meet future demands. A copy of the updated Water Authority 2015 UWMP can be found on the internet at: [http://www.sdcwa.org/sites/default/files/files/water-management/water\\_resources/2015%20UWMP%20Final%2006222016.pdf](http://www.sdcwa.org/sites/default/files/files/water-management/water_resources/2015%20UWMP%20Final%2006222016.pdf)
- As part of the October 2003 Quantification Settlement Agreement (QSA), the Water Authority was assigned MWD's rights to 77,700 acre feet per year of conserved water from the All-American Canal (AAC) and Coachella Canal (CC) lining projects. Deliveries of this conserved water from the CC reached the region in 2007 and deliveries from the AAC reached the region in 2010. Expected supplies from the canal lining projects are considered verifiable Water Authority supplies.
- Deliveries of conserved agricultural water from the Imperial Irrigation District (IID) to San Diego County have increased annually since 2003, with 70,000 acre feet per year of deliveries in Fiscal Year (FY) 2010. The quantities will increase annually to 200,000

acre feet per year by 2021, and then remain fixed for the duration of the transfer agreement.

- Development of seawater desalination in San Diego County assists the region in diversifying its water resources; reduces dependence on imported supplies; and provides a new drought-proof, locally treated water supply. The Carlsbad Desalination Project is a fully operational seawater desalination plant and conveyance pipeline developed by Poseidon, a private investor-owned company that develops water and wastewater infrastructure. The Carlsbad Desalination Project, located at the Encina Power Station in Carlsbad, began commercial operation on December 23, 2015, and can provide a highly reliable local supply of up to 56,000 AF/YR for the region. Of the total Carlsbad Desalination Plant production, Vallecitos Water District has a direct connection and a contract to receive 4,083 AFY. Carlsbad MWD has agreed to a take or pay of 2,500 AFY but a direct connection has not been built.

Through implementation of the Water Authority and member agency planned supply projects, along with reliable imported water supplies from MWD, the region anticipates having adequate supplies to meet existing and future water demands.

To ensure sufficient supplies to meet projected growth in the San Diego region, the Water Authority uses the SANDAG most recent regional growth forecast in calculating regional water demands. The SANDAG regional growth forecast is based on the plans and policies of the land-use jurisdictions with San Diego County. The existing and future demands of the member agencies are included in the Water Authority's projections.

### **6.2.1 Availability of Sufficient Supplies and Plans for Acquiring Additional Supplies**

The Water Authority currently obtains imported supplies from MWD, conserved water from the AAC and CC lining projects, an increasing amount of conserved agricultural water from IID, and desalinated seawater from the Carlsbad desalination plant. Of the twenty-seven member agencies that purchase water supplies from MWD, the Water Authority is MWD's largest customer.

Section 135 of MWD's Act defines the preferential right to water for each of its member agencies. Currently, the Water Authority pays about 22 percent of MWD's total revenue, but has preferential rights to only 18.27 percent of MWD's water supply. Under preferential rights, MWD could allocate water without regard to historic water purchases or dependence on MWD. The Water Authority and its member agencies are taking measures to reduce dependence on MWD through development of additional supplies and a water supply portfolio that would not be jeopardized by a preferential rights allocation. MWD has stated, consistent with Section 4202 of its Administrative Code that it is prepared to provide the Water Authority's service area with adequate supplies of water to meet expanding and

increasing needs in the years ahead. When and as additional water resources are required to meet increasing needs, MWD stated it will be prepared to deliver such supplies. In Section ES-5 of their 2015 UWMP, MWD states that MWD has supply capacities that would be sufficient to meet expected demands from 2020 through 2040. MWD has plans for supply implementation and continued development of a diversified resource mix including programs in the Colorado River Aqueduct, State Water Project, Central Valley Transfers, local resource projects, and in-region storage that enables the region to meet its water supply needs.

The Water Authority has made large investments in MWD’s facilities and will continue to include imported supplies from MWD in the future resource mix. As discussed in the Water Authority’s 2015 UWMP, the Water Authority and its member agencies are planning to diversify the San Diego regions supply portfolio and reduce purchases from MWD.

As part of the Water Authority’s diversification efforts, the Water Authority is now taking delivery of conserved agricultural water from IID, water saved from the AAC and CC lining projects and desalinated seawater from the Carlsbad desalination plant. Table 4 summarizes the Water Authority’s supply sources with detailed information included in the sections to follow. Deliveries from MWD are also included in Table 4, which is further discussed in Section 6.1 above. The Water Authority’s member agencies provided the verifiable local supply targets for groundwater, recycled water, potable reuse and surface water, which are discussed in more detail in Section 5 of the Water Authority’s 2015 UWMP.

**Table 4**  
**Projected Verifiable Water Supplies – Water Authority Service Area**  
 Normal Year (acre feet)<sup>1</sup>

| <b>Water Supply Sources</b>     | <b>2020</b>    | <b>2025</b>    | <b>2030</b>    | <b>2035</b>    | <b>2040</b>    |
|---------------------------------|----------------|----------------|----------------|----------------|----------------|
| <b>Water Authority Supplies</b> |                |                |                |                |                |
| MWD Supplies                    | 136,002        | 181,840        | 207,413        | 224,863        | 248,565        |
| Water Authority/IID Transfer    | 190,000        | 200,000        | 200,000        | 200,000        | 200,000        |
| AAC and CC Lining Projects      | 80,200         | 80,200         | 80,200         | 80,200         | 80,200         |
| Regional Seawater Desalination  | 50,000         | 50,000         | 50,000         | 50,000         | 50,000         |
| <b>Member Agency Supplies</b>   |                |                |                |                |                |
| Surface Water                   | 51,580         | 51,480         | 51,380         | 51,280         | 51,180         |
| Water Recycling                 | 40,459         | 43,674         | 45,758         | 46,118         | 46,858         |
| Seawater Desalination           | 6,000          | 6,000          | 6,000          | 6,000          | 6,000          |
| Brackish GW Recovery            | 12,100         | 12,500         | 12,500         | 12,500         | 12,500         |
| Groundwater                     | 17,940         | 19,130         | 20,170         | 20,170         | 20,170         |
| Potable Reuse                   | 3,300          | 3,300          | 3,300          | 3,300          | 3,300          |
| <b>Total Projected Supplies</b> | <b>587,581</b> | <b>648,124</b> | <b>676,721</b> | <b>694,431</b> | <b>718,773</b> |

Source: Water Authority 2015 Urban Water Management Plan – Table 9-1.

<sup>1</sup>Normal water year demands based on 1960-2013 hydrology.

Section 5.6.1 of the Water Authority's 2015 UWMP also includes a discussion on the local supply target for seawater desalination. Seawater desalination supplies represent a significant local resource in the Water Authority's service area.

The Carlsbad Desalination Project (Project) is a fully-permitted seawater desalination plant and conveyance pipeline designed to provide a highly reliable local supply of up to 56,000 acre-feet (AF) per year for the region. In 2020, the Project would account for approximately 8% of the total projected regional supply and 30% of all locally generated water in San Diego County. The project became operational in late 2015 and it more than doubles the amount of local supplies developed in the region since 1991. The desalination plant itself was fully financed, built, and is being operated by Poseidon. The Water Authority purchases water from the plant under a water purchase agreement. The new pipeline connecting the desalination plant with the Water Authority's Second Aqueduct is owned and operated by the Water Authority, but Poseidon had the responsibility for design and construction through a separate Design-Build Agreement. The Water Authority was responsible for aqueduct improvements, including the relining and rehabilitation of Pipeline 3 to accept desalinated water under higher operating pressures, modifications to the San Marcos Vent that allows the flow of water between Pipelines 3 and 4, and improvements at the Twin Oaks Valley Water Treatment Plant necessary to integrate desalinated water into the Water Authority's system for optimal distribution to member agencies.

The Water Authority's existing and planned supplies from the IID transfer, canal lining, and desalination projects are considered "drought-proof" supplies and should be available at the yields shown in Table 4 in normal water year supply and demand assessment. Single dry year and multiple dry year scenarios are discussed in more detail in Section 9 of the Water Authority's 2015 UWMP.

As part of preparation of a written water supply assessment and/or verification report, an agency's shortage contingency analysis should be considered in determining sufficiency of supply. Section 11 of the Water Authority's 2015 UWMP contains a detailed shortage contingency analysis that addresses a regional catastrophic shortage situation and drought management. The analysis demonstrates that the Water Authority and its member agencies, through the Emergency Response Plan, Emergency Storage Project, and Drought Management Plan (DMP) are taking actions to prepare for and appropriately handle an interruption of water supplies. The DMP, adopted in May 2006, provides the Water Authority and its member agencies with a series of potential actions to take when faced with a shortage of imported water supplies from MWD due to prolonged drought or other supply shortfall conditions. The actions will help the region avoid or minimize the impacts of shortages and ensure an equitable allocation of supplies throughout the San Diego region.

### **6.2.1.1 Water Authority-Imperial Irrigation District Water Conservation and Transfer Agreement**

The QSA was signed in October 2003, and resolves long-standing disputes regarding priority and use of Colorado River water and creates a baseline for implementing water transfers. With approval of the QSA, the Water Authority and IID were able to implement their Water Conservation and Transfer Agreement. This agreement not only provides reliability for the San Diego region, but also assists California in reducing its use of Colorado River water to its legal allocation.

On April 29, 1998, the Water Authority signed a historic agreement with IID for the long-term transfer of conserved Colorado River water to San Diego County. The Water Authority-IID Water Conservation and Transfer Agreement (Transfer Agreement) is the largest agriculture-to-urban water transfer in United States history. Colorado River water will be conserved by Imperial Valley farmers who voluntarily participate in the program and then transferred to the Water Authority for use in San Diego County.

#### *Implementation Status*

On October 10, 2003, the Water Authority and IID executed an amendment to the original 1998 Transfer Agreement. This amendment modified certain aspects of the Transfer Agreement to be consistent with the terms and conditions of the QSA and related agreements. It also modified other aspects of the agreement to lessen the environmental impacts of the transfer of conserved water. The amendment was expressly contingent on the approval and implementation of the QSA, which was also executed on October 10, 2003. Section 6.2.1, "Colorado River," contains details on the QSA.

On November 5, 2003, IID filed a complaint in Imperial County Superior Court seeking validation of 13 contracts associated with the Transfer Agreement and the QSA. Imperial County and various private parties filed additional suits in Superior Court, alleging violations of the California Environmental Quality Act (CEQA), the California Water Code, and other laws related to the approval of the QSA, the water transfer, and related agreements. The lawsuits were coordinated for trial. The IID, Coachella Valley Water District, MWD, the Water Authority, and state are defending these suits and coordinating to seek validation of the contracts. In January 2010, a California Superior Court judge ruled that the QSA and 11 related agreements were invalid, because one of the agreements created an open-ended financial obligation for the state, in violation of California's constitution. The QSA parties appealed this decision and on July 2013, a Sacramento Superior Court judge entered a final judgment validating the QSA and rejecting all of the remaining legal challenges. The judge affirmed all of the contested actions, including the adequacy of the environmental documents prepared by the IID. In May 2015, the state Court of Appeal issued a ruling that dismissed all remaining appeals.

### *Expected Supply*

Deliveries into San Diego County from the transfer began in 2003 with an initial transfer of 10,000 acre feet per year. The Water Authority received increasing amounts of transfer water each year, according to a water delivery schedule contained in the transfer agreement. In 2012, the Water Authority will receive 90,000 acre feet per year. The quantities will increase annually to 200,000 acre feet per year by 2021 then remain fixed for the duration of the transfer agreement. The initial term of the Transfer Agreement is 45 years, with a provision that either agency may extend the agreement for an additional 30-year term.

During dry years, when water availability is low, the conserved water will be transferred under IID's Colorado River rights, which are among the most senior in the Lower Colorado River Basin. Without the protection of these rights, the Water Authority could suffer delivery cutbacks. In recognition for the value of such reliability, the 1998 contract required the Water Authority to pay a premium on transfer water under defined regional shortage circumstances. The shortage premium period duration is the period of consecutive days during which any of the following exist: 1) a Water Authority shortage; 2) a shortage condition for the Lower Colorado River as declared by the Secretary; and 3) a Critical Year. Under terms of the October 2003 amendment, the shortage premium will not be included in the cost formula until Agreement Year 16.

### *Transportation*

The Water Authority entered into a water exchange agreement with MWD on October 10, 2003, to transport the Water Authority-IID transfer water from the Colorado River to San Diego County. Under the exchange agreement, MWD takes delivery of the transfer water through its Colorado River Aqueduct. In exchange, MWD delivers to the Water Authority a like quantity and quality of water. The Water Authority pays MWD's applicable wheeling rate for each acre-foot of exchange water delivered. Under the terms of the water exchange agreement, MWD will make delivery of the transfer water for 35 years, unless the Water Authority and MWD elect to extend the agreement another 10 years for a total of 45 years.

### *Cost/Financing*

The costs associated with the transfer are financed through the Water Authority's rates and charges. In the agreement between the Water Authority and IID, the price for the transfer water started at \$258 per acre-foot and increased by a set amount for the first seven years. In December 2009, the Water Authority and IID executed a fifth amendment to the water transfer agreement that sets the price per acre-foot for transfer water for calendar years 2010 through 2015, beginning at \$405 per acre-foot in 2010 and increasing to \$624 per acre-foot in 2015. For calendar years 2016 through 2034, the unit price will be adjusted using an agreed-upon index. The amendment also required the Water Authority to pay IID \$6 million at the end of calendar year 2009 and another \$50 million on or before October 1, 2010, provided that a transfer stoppage is not in effect as a result of a court order in the QSA coordinated cases. Beginning in

2035, either the Water Authority or IID can, if certain criteria are met, elect a market rate price through a formula described in the water transfer agreement.

The October 2003 exchange agreement between MWD and the Water Authority set the initial cost to transport the conserved water at \$253 per acre-foot. Thereafter, the price is set to be equal to the charge or charges set by MWD's Board of Directors pursuant to applicable laws and regulation, and generally applicable to the conveyance of water by MWD on behalf of its member agencies. The transportation charge in 2010 was \$314 per acre-foot.

The Water Authority is providing \$10 million to help offset potential socioeconomic impacts associated with temporary land fallowing. IID will credit the Water Authority for these funds during years 16 through 45. In 2007, the Water Authority prepaid IID an additional \$10 million for future deliveries of water. IID will credit the Water Authority for this up-front payment during years 16 through 30.

As part of implementation of the QSA and water transfer, the Water Authority also entered into an environmental cost sharing agreement. Under this agreement the Water Authority is contributing a total of \$64 million to fund environmental mitigation projects and the Salton Sea Restoration Fund.

#### *Written Contracts or Other Proof*

The supply and costs associated with the transfer are based primarily on the following documents:

Agreement for Transfer of Conserved Water by and between IID and the Water Authority (April 29, 1998). This Agreement provides for a market-based transaction in which the Water Authority would pay IID a unit price for agricultural water conserved by IID and transferred to the Water Authority.

Revised Fourth Amendment to Agreement between IID and the Water Authority for Transfer of Conserved Water (October 10, 2003). Consistent with the executed Quantification Settlement Agreement (QSA) and related agreements, the amendments restructure the agreement and modify it to minimize the environmental impacts of the transfer of conserved water to the Water Authority.

Amended and Restated Agreement between MWD and Water Authority for the Exchange of Water (October 10, 2003). This agreement was executed pursuant to the QSA and provides for delivery of the transfer water to the Water Authority.

Environmental Cost Sharing, Funding, and Habitat Conservation Plan Development Agreement among IID, Coachella Valley Water District (CVWD), and Water Authority (October 10, 2003). This Agreement provides for the specified allocation of QSA-related environmental review,

mitigation, and litigation costs for the term of the QSA, and for development of a Habitat Conservation Plan.

Quantification Settlement Agreement Joint Powers Authority Creation and Funding Agreement (October 10, 2003). The purpose of this agreement is to create and fund the QSA Joint Powers Authority and to establish the limits of the funding obligation of CVWD, IID, and Water Authority for environmental mitigation and Salton Sea restoration pursuant to SB 654 (Machado).

Fifth Amendment to Agreement Between Imperial Irrigation District and San Diego County Water Authority for Transfer of Conserved Water (December 21, 2009). This agreement implements a settlement between the Water Authority and IID regarding the base contract price of transferred water.

Federal, State, and Local Permits/Approvals

Federal Endangered Species Act Permit. The U.S. Fish and Wildlife Service (USFWS) issued a Biological Opinion on January 12, 2001, that provides incidental take authorization and certain measures required to offset species impacts on the Colorado River regarding such actions.

State Water Resources Control Board (SWRCB) Petition. SWRCB adopted Water Rights Order 2002-0016 concerning IID and Water Authority's amended joint petition for approval of a long-term transfer of conserved water from IID to the Water Authority and to change the point of diversion, place of use, and purpose of use under Permit 7643.

Environmental Impact Report (EIR) for Conservation and Transfer Agreement. As lead agency, IID certified the Final EIR for the Conservation and Transfer Agreement on June 28, 2002.

U. S. Fish and Wildlife Service Draft Biological Opinion and Incidental Take Statement on the Bureau of Reclamation's Voluntary Fish and Wildlife Conservation Measures and Associated Conservation Agreements with the California Water Agencies (12/18/02). The U. S. Fish and Wildlife Service issued the biological opinion/incidental take statement for water transfer activities involving the Bureau of Reclamation and associated with IID/other California water agencies' actions on listed species in the Imperial Valley and Salton Sea (per the June 28, 2002 EIR).

Addendum to EIR for Conservation and Transfer Agreement. IID as lead agency and Water Authority as responsible agency approved addendum to EIR in October 2003.

Environmental Impact Statement (EIS) for Conservation and Transfer Agreement. Bureau of Reclamation issued a Record of Decision on the EIS in October 2003.

CA Department of Fish and Game California Endangered Species Act Incidental Take Permit #2081-2003-024-006). The California Department of Fish and Game issued this permit

(10/22/04) for potential take effects on state-listed/fully protected species associated with IID/other California water agencies' actions on listed species in the Imperial Valley and Salton Sea (per the June 28, 2002 EIR).

California Endangered Species Act (CESA) Permit. A CESA permit was issued by California Department of Fish and Game (CDFG) on April 4, 2005, providing incidental take authorization for potential species impacts on the Colorado River.

### **6.2.1.2 All-American Canal and Coachella Canal Lining Projects**

As part of the QSA and related contracts, the Water Authority was assigned MWD's rights to 77,700 acre-feet per year of conserved water from projects that will line the All-American Canal (AAC) and Coachella Canal (CC). The projects will reduce the loss of water that currently occurs through seepage, and the conserved water will be delivered to the Water Authority. This conserved water will provide the San Diego region with an additional 8.5 million acre-feet over the 110-year life of the agreement.

#### *Implementation Status*

The CC lining project began in November 2004 and was completed in 2006. Deliveries of conserved water to the Water Authority began in 2007. The project constructed a 37-mile parallel canal adjacent to the CC. The AAC lining project was begun in 2005 and was completed in 2010. The lining project constructed a concrete-lined canal parallel to 24 miles of the existing AAC from Pilot Knob to Drop 3.

In July 2005, a lawsuit (*CDEM v United States*, Case No. CV-S-05-0870-KJD-PAL) was filed in the U. S. District Court for the District of Nevada on behalf of U.S. and Mexican groups challenging the lining of the AAC. The lawsuit, which names the Secretary of the Interior as a defendant, claims that seepage water from the canal belongs to water users in Mexico. California water agencies note that the seepage water is actually part of California's Colorado River allocation and not part of Mexico's allocation. The plaintiffs also allege a failure by the United States to comply with environmental laws. Federal officials have stated that they intend to vigorously defend the case.

#### *Expected Supply*

The AAC lining project makes 67,700 acre-feet of Colorado River water per year available for allocation to the Water Authority and San Luis Rey Indian water rights settlement parties. The CC lining project makes 26,000 acre-feet of Colorado River water each year available for allocation. The 2003 Allocation Agreement provides for 16,000 acre-feet per year of conserved canal lining water to be allocated to the San Luis Rey Indian Water Rights Settlement Parties. The remaining amount, 77,700 acre-feet per year, is to be available to the Water Authority, with up to an additional 4,850 acre-feet per year available to the Water

Authority depending on environmental requirements from the CC lining project. For planning purposes, the Water Authority assumes that 2,500 acre-feet of the 4,850 acre-feet will be available each year for delivery, for a total of 80,200 acre-feet per year of that supply. According to the Allocation Agreement, IID has call rights to a portion (5,000 acre-feet per year) of the conserved water upon termination of the QSA for the remainder of the 110 years of the Allocation Agreement and upon satisfying certain conditions. The term of the QSA is for up to 75 years.

#### *Transportation*

The October 2003 Exchange Agreement between the Water Authority and MWD provides for the delivery of the conserved water from the canal lining projects. The Water Authority pays MWD's applicable wheeling rate for each acre-foot of exchange water delivered. In the Agreement, MWD will deliver the canal lining water for the term of the Allocation Agreement (110 years).

#### *Cost/Financing*

Under California Water Code Section 12560 et seq., the Water Authority received \$200 million in state funds for construction of the canal lining projects. In addition, \$20 million was made available from Proposition 50 and \$36 million from Proposition 84. The Water Authority was responsible for additional expenses above the funds provided by the state.

The rate to be paid to transport the canal lining water will be equal to the charge or charges set by MWD's Board of Directors pursuant to applicable law and regulation and generally applicable to the conveyance of water by MWD on behalf of its member agencies.

In accordance with the Allocation Agreement, the Water Authority is responsible for a portion of the net additional Operation, Maintenance, and Repair (OM&R) costs for the lined canals. Any costs associated with the lining projects as proposed are to be financed through the Water Authority's rates and charges.

#### *Written Contracts or Other Proof*

The expected supply and costs associated with the lining projects are based primarily on the following documents:

U.S. Public Law 100-675 (1988). Authorized the Department of the Interior to reduce seepage from the existing earthen AAC and CC. The law provides that conserved water will be made available to specified California contracting water agencies according to established priorities.

California Department of Water Resources - MWD Funding Agreement (2001). Reimburse MWD for project work necessary to construct the lining of the CC in an amount not to exceed \$74 million. Modified by First Amendment (2004) to replace MWD with the Authority.

Modified by Second Amendment (2004) to increase funding amount to \$83.65 million, with addition of funds from Proposition 50.

California Department of Water Resources - IID Funding Agreement (2001). Reimburse IID for project work necessary to construct a lined AAC in an amount not to exceed \$126 million.

MWD - CVWD Assignment and Delegation of Design Obligations Agreement (2002). Assigns design of the CC lining project to CVWD.

MWD - CVWD Financial Arrangements Agreement for Design Obligations (2002). Obligates MWD to advance funds to CVWD to cover costs for CC lining project design and CVWD to invoice MWD to permit the Department of Water Resources to be billed for work completed.

Allocation Agreement among the United States of America, The MWD Water District of Southern California, Coachella Valley Water District, Imperial Irrigation District, San Diego County Water Authority, the La Jolla, Pala, Pauma, Rincon, and San Pasqual Bands of Mission Indians, the San Luis Rey River Indian Water Authority, the City of Escondido, and Vista Irrigation District (October 10, 2003). This agreement includes assignment of MWD's rights and interest in delivery of 77,700 acre-feet of Colorado River water previously intended to be delivered to MWD to the Water Authority. Allocates water from the AAC and CC lining projects for at least 110 years to the Water Authority, the San Luis Rey Indian Water Rights Settlement Parties, and IID, if it exercises its call rights.

Amended and Restated Agreement between MWD and Water Authority for the Exchange of Water (October 10, 2003). This agreement was executed pursuant to the QSA and provides for delivery of the conserved canal lining water to the Water Authority.

Agreement between MWD and Water Authority regarding Assignment of Agreements related to the AAC and CC Lining Projects. This agreement was executed in April 2004 and assigns MWD's rights to the Water Authority for agreements that had been executed to facilitate funding and construction of the AAC and CC lining projects:

Assignment and Delegation of Construction Obligations for the Coachella Canal Lining Project under the Department of Water Resources Funding Agreement No. 4600001474 from the San Diego County Water Authority to the Coachella Valley Water District, dated September 8, 2004.

Agreement Regarding the Financial Arrangements between the San Diego County Water Authority and Coachella Valley Water District for the Construction Obligations for the Coachella Canal Lining Project, dated September 8, 2004.

Agreement No. 04-XX-30-W0429 Among the United States Bureau of Reclamation, the Coachella Valley Water District, and the San Diego County Water Authority for the Construction of the Coachella Canal Lining Project Pursuant to Title II of Public Law 100-675, dated October 19, 2004.

California Water Code Section 12560 et seq. This Water Code Section provides for \$200 million to be appropriated to the Department of Water Resources to help fund the canal lining projects in furtherance of implementing California's Colorado River Water Use Plan.

California Water Code Section 79567. This Water Code Section identifies \$20 million as available for appropriation by the California Legislature from the Water Security, Clean Drinking Water, Coastal, and Beach Protection Fund of 2002 (Proposition 50) to DWR for grants for canal lining and related projects necessary to reduce Colorado River water use. According to the Allocation Agreement, it is the intention of the agencies that those funds will be available for use by the Water Authority, IID, or CVWD for the AAC and CC lining projects.

California Public Resources Code Section 75050(b) (1). This section identifies up to \$36 million as available for water conservation projects that implement the Allocation Agreement as defined in the Quantification Settlement Agreement.

#### *Federal, State, and Local Permits/Approvals*

AAC Lining Project Final EIS/EIR (March 1994). A final EIR/EIS analyzing the potential impacts of lining the AAC was completed by the Bureau of Reclamation (Reclamation) in March 1994. A Record of Decision was signed by Reclamation in July 1994, implementing the preferred alternative for lining the AAC. A re-examination and analysis of these environmental compliance documents by Reclamation in November 1999 determined that these documents continued to meet the requirements of the NEPA and the CEQA and would be valid in the future.

CC Lining Project Final EIS/EIR (April 2001). The final EIR/EIS for the CC lining project was completed in 2001. Reclamation signed the Record of Decision in April 2002. An amended Record of Decision has also been signed to take into account revisions to the project description.

Mitigation, Monitoring, and Reporting Program for Coachella Canal Lining Project, SCH #1990020408; prepared by Coachella Valley Water District, May 16, 2001.

Environmental Commitment Plan for the Coachella Canal Lining Project, approved by the US Bureau of Reclamation (Boulder City, NV) on March 4, 2003.

Environmental Commitment Plan and Addendum to the All-American Canal Lining Project EIS/EIR California State Clearinghouse Number SCH 90010472 (June 2004, prepared by IID).

Addendum to Final EIS/EIR and Amendment to Environmental Commitment Plan for the All-American Canal Lining Project (approved June 27, 2006, by IID Board of Directors).

### **6.2.1.3 Carlsbad Seawater Desalination Project**

Development of seawater desalination in San Diego County has assisted the region in diversifying its water resources, reduce dependence on imported supplies, and provide a new drought-proof, locally treated water supply. The Carlsbad Desalination Project is a fully-permitted seawater desalination plant and conveyance pipeline developed by Poseidon, a private investor-owned company that develops water and wastewater infrastructure. The project, located at the Encina Power Station in Carlsbad, has been in development since 1998 and was incorporated into the Water Authority's 2003 Water Facilities Master Plan and the 2015 UWMP. The Carlsbad Desalination Project has obtained all required permits and environmental clearances and starting in late 2015 provides a highly reliable local supply of 48,000 to 56,000 acre-feet per year for the region.

#### *Implementation Status*

The Project has obtained all required permits and environmental clearances, including the following:

- National Pollutant Discharge Elimination System (NPDES) Discharge Permit (Regional Water Quality Control Board)
- Conditional Drinking Water Permit (California Department of Health Services)
- State Lands Commission Lease (State Lands Commission)
- Coastal Development Permit (California Coastal Commission)

IDE Technologies, a worldwide leader in the design, construction, and operation of desalination plants, is the desalination process contractor for the Project.

On July 22, 2010, the Board approved a Term Sheet between the Water Authority and Poseidon Resources that outlined the key terms and conditions that would be detailed and incorporated in a comprehensive Water Purchase Agreement (WPA). Beginning in October 2011 and under the direction of the Board's Carlsbad Desalination Project Advisory Group, staff began developing and negotiating with Poseidon a WPA consistent with the July 22, 2010 Board approved Term Sheet. The July 2010 Term Sheet also identified specific conditions precedent to Board consideration of the WPA.

On November 29, 2012, the Water Authority Board adopted a resolution approving the Design-Build Agreement between the Water Authority and Poseidon. The Design-Build Agreement established the commercial and technical terms for implementation of the desalination product pipeline improvements. These improvements consisted of an approximate 10-mile long, 54-inch diameter conveyance pipeline connecting the Desalination Plant to the Water Authority's Second Aqueduct. The pipeline was generally be constructed within improved streets in commercial and industrial areas in the cities of Carlsbad, Vista, and San Marcos. The Water Authority owns the Project Water Pipeline Improvements and has

assumed operational control of all pipeline improvements. This system was placed into service in late 2015.

### *Expected Supply*

The Project provides a highly reliable local supply of 48,000 to 56,000 acre-feet per year of supply for the region, available in both normal and dry hydrologic conditions. In 2020, the Project would account for approximately 10% of the total projected regional supply and 30% of all locally generated water in San Diego County. The project more than doubles the amount of local supplies developed in the region since 1991.

### *Transportation*

On November 29, 2012, the Water Authority Board adopted a resolution approving the Design-Build Agreement between the Water Authority and Poseidon. The Design-Build Agreement establishes the commercial and technical terms for implementation of the desalination product pipeline improvements. These improvements consisted of an approximate 10-mile long, 54-inch diameter conveyance pipeline connecting the Desalination Plant to the Water Authority's Second Aqueduct. The pipeline was generally constructed within improved streets in commercial and industrial areas in the cities of Carlsbad, Vista, and San Marcos. The Water Authority owns the Project Water Pipeline Improvements and has assumed operational control of all pipeline improvements.

The Water Authority was responsible for aqueduct improvements, including the relining and rehabilitation of Pipeline 3 to accept desalinated water under higher operating pressures, modifications to the San Marcos Vent that allows the flow of water between Pipelines 3 and 4, and improvements at the Twin Oaks Valley Water Treatment Plant necessary to integrate desalinated water into the Water Authority's system for optimal distribution to member agencies.

### *Cost/Financing*

The plant and the offsite pipeline is being financed through tax exempt government bonds issued for the Water Authority by the California Pollution Control Financing Authority (CPCFA). On November 29, 2012, the Water Authority Board adopted a resolution approving agreements to accomplish tax exempt project financing through the CPCFA. Based on current electricity cost estimates, the Water Purchase Agreement sets the price of the water from the Carlsbad Desalination Project at \$2,131 to \$2,367 per acre foot in 2016. The Water Authority's water purchase costs would be financed through Water Authority rates and charges. Poseidon is financing the capital cost of the Project with a combination of private equity and tax-exempt Private Activity Bonds.

*Written Contracts or Other Proof*

The expected supply and costs associated with the Carlsbad Desalination Project are based primarily on the following documents:

Development Agreement between City of Carlsbad and Poseidon (October 2009). A Development Agreement between Carlsbad and Poseidon was executed on October 5, 2009

Agreement of Term Sheet between the Water Authority and Poseidon Resources (July 2010). The Water Authority approved the Term Sheet at its July 2010 Board Meeting. The Term Sheet outlines the terms and conditions of a future Water Purchase Agreement with Poseidon and allocates the resources to prepare the draft Water Purchase Agreement.

*Federal, State, and Local Permits/Approvals*

Carlsbad Desalination Project Final EIR

The City of Carlsbad, acting as lead agency for Carlsbad Seawater Desalination Plant and appurtenant facilities proposed by Poseidon (the “Project”) prepared an Environmental Impact Report for the Project in compliance with the California Environmental Quality Act (“CEQA”), which the City of Carlsbad certified on June 13, 2006.

<http://www.sdcwa.org/rwfmp-peir>

Regional Water Facilities Master Plan EIR

On November 20, 2003, the Water Authority Board of Directors adopted Resolution No. 2003-34 certifying the Final Program Environmental Impact Report (State Clearinghouse No. 2003021052) for the Water Authority’s Regional Water Facilities Master Plan Project (the “Master Plan EIR”), which evaluated, among other things, potential growth inducing impacts associated with new water supplies to the region including, but not limited to, up to 150 million gallons per day (“MGD”) of new supplies from seawater desalination. This certification included a 50 MGD plant located in the City of Carlsbad.

The environmental documents and permits are found at the following links:

<http://www.sdcwa.org/rwfmp-peir>

Sub regional Natural Community Conservation Plan/Habitat Conservation Plan (NCCP/HCP)

On December 8, 2010, the Board adopted Resolution No. 2010-18 certifying a Final environmental Impact Report/Environmental Impact Statement for the San Diego County Water Authority Subregional Natural Community Conservation Plan/Habitat Conservation Plan (State Clearinghouse No. 2003121012) (the “Habitat Conservation Plan EIR/EIS”), which Plan was implemented on December 28, 2011.

The environmental documents and permits are found at the following links:

<http://www.sdcwa.org/nccp-hcp>

#### Twin Oaks Valley Water Treatment Plant EIR

On September 8, 2005, the Board adopted Resolution No. 2005-31 certifying a Final Environmental Impact Report for the Twin Oaks Valley Water Treatment Plant Project (State Clearinghouse No. 20040071034) (the “Twin Oaks EIR”), which project was constructed as a 100 MGD submerged membrane water treatment facility, including treated water holding tanks and distribution pipelines and other facilities, consistent with the conditions and mitigation measures included in the Twin Oaks EIR.

<http://www.sdcwa.org/twin-oaks-valley-treatment-plant-final-eir>

Drinking Water Permit (October 2006). The California Department of Health Services approved the Conditional Drinking Water Permit on October 19, 2006.

### **6.2.2 Water Authority Capital Improvement Program and Financial Information**

The Water Authority’s Capital Improvement Program (CIP) can trace its beginnings to a report approved by the Board in 1989 entitled, The Water Distribution Plan, and a Capital Improvement Program through the Year 2010. The Water Distribution Plan included ten projects designed to increase the capacity of the aqueduct system, increase the yield from existing water treatment plants, obtain additional supplies from MWD, and increase the reliability and flexibility of the aqueduct system. Since that time the Water Authority has made numerous additions to the list of projects included in its CIP as the region’s infrastructure needs and water supply outlook have changed.

The current list of projects included in the CIP is based on the results of planning studies, including the 2010 UWMP and the 2013 Regional Water Facilities Master Plan. These CIP projects, which are most recently described in the Water Authority’s Adopted Multi-Year Budget, include projects valued at \$3.50 billion. These CIP projects are designed to meet projected water supply and delivery needs of the member agencies through 2035. The projects include a mix of new facilities that will add capacity to existing conveyance, storage, and treatment facilities, as well as repair and replace aging infrastructure:

- Asset Management – The primary components of the asset management projects include relining and replacing existing pipelines and updating and replacing metering facilities.
- New Facilities – These projects will expand the capacity of the aqueduct system, complete the projects required under the Quantification Settlement Agreement (QSA), and evaluate new supply opportunities.
- Emergency Storage Project – Projects remaining to be completed under the ongoing ESP include the San Vicente Dam Raise, the Lake Hodges projects, and a new pump station to extend ESP supplies to the northern reaches of the Water Authority service area.

- Other Projects – This category includes out-of-region groundwater storage, increased local water treatment plant capacity, and projects that mitigate environmental impacts of the CIP.

The Water Authority Board of Directors is provided a semi-annual and annual report on the status of development of the CIP projects. As described in the Water Authority's biennial budget, a combination of long and short term debt and cash (pay-as-you-go) will provide funding for capital improvements. Additional information is included in the Water Authority's biennial budget, which also contains selected financial information and summarizes the Water Authority's investment policy.

### **6.3 Otay Water District**

The Otay Water District WRMP Update and the 2015 UWMP contain comparisons of projected supply and demands through the year 2040. Projected potable water resources to meet planned demands as documented were planned to be supplied entirely with imported water received from the Water Authority. Recycled water resources to meet projected demands are planned to be supplied from local wastewater treatment plants. The Otay WD currently has no local supply of raw water, potable water, or groundwater resources.

The development and/or acquisition of potential groundwater, recycled water market expansion, and seawater desalination supplies by the Otay WD have evolved and are planned to occur in response to the regional water supply issues. These water supply projects are in addition to those identified as sustainable supplies in the current Water Authority and MWD UWMP, IRP, Master Plans, and other planning documents. These new additional water supply projects are not currently developed and are in various stages of the planning process. These local and regional water supply projects will allow for less reliance upon imported water and are considered a new water supply resource for the Otay WD.

The supply forecasts contained within this WSA Report do consider development and/or acquisition of potential groundwater, recycled water market expansion, and seawater desalination supplies by the Otay WD.

#### **6.3.1 Availability of Sufficient Supplies and Plans for Acquiring Additional Supplies**

The availability of sufficient potable water supplies and plans for acquiring additional potable water supplies to serve existing and future demands of the Otay WD is founded upon the preceding discussions regarding MWD's and the Water Authority's water supply resources and water supplies to be acquired by the Otay WD. Historic imported water deliveries from the Water Authority to Otay WD and recycled water deliveries from the Otay WD Ralph W. Chapman Water Reclamation Facility (RWCWRF) are shown in Table 5. Since the year 2000

through mid-May 2007, recycled water demand has exceeded the recycled water supply capability typically in the summer months. The RWCWRF is limited to a maximum production of about 1,300 acre-feet per year. The recycled water supply shortfall had been met by supplementing with potable water into the recycled water storage system as needed by adding potable water supplied by the Water Authority. On May 18, 2007 an additional source of recycled water supply from the City of San Diego’s South Bay Water Reclamation Plant (SBWRP) became available. The supply of recycled water from the SBWRP is a result of completing construction and the operation of the transmission, storage, and pump station systems necessary to link the SBWRP recycled water supply source to the existing Otay WD recycled water system.

**Table 5**  
**Otay Water District**  
**Historic Imported and Local Water Supplies**

| <b>Calendar Year</b> | <b>Imported Water (acre-feet)</b> | <b>Recycled Water (acre-feet)</b> | <b>Total (acre-feet)</b> |
|----------------------|-----------------------------------|-----------------------------------|--------------------------|
| 1980                 | 12,558                            | 0                                 | 12,558                   |
| 1985                 | 14,529                            | 0                                 | 14,529                   |
| 1990                 | 23,200                            | 0                                 | 23,200                   |
| 1995                 | 20,922                            | 614                               | 21,536                   |
| 2000                 | 29,901                            | 948                               | 30,849                   |
| 2005                 | 37,678                            | 1,227                             | 38,905                   |
| 2010                 | 29,270                            | 4,090                             | 33,270                   |
| 2015                 | 26,494                            | 3,777                             | 30,271                   |

Source: Otay Water District operational records.

### **6.3.1.1 Imported and Regional Supplies**

The availability of sufficient imported and regional potable water supplies to serve existing and planned uses within Otay WD is demonstrated in the above discussion on MWD and the Water Authority’s water supply reliability. The County Water Authority Act, Section 5 subdivision 11, states that the Water Authority “as far as practicable, shall provide each of its member agencies with adequate supplies of water to meet their expanding and increasing needs.” The Water Authority provides between 75 to 95 percent of the total supplies used by its 24 member agencies, depending on local weather and supply conditions.

#### *Potable Water System Facilities*

The Otay WD continues to pursue diversification of its water supply resources to increase reliability and flexibility. The Otay WD also continues to plan, design, and construct potable

water system facilities to obtain these supplies and to distribute potable water to meet customer demands. The Otay WD has successfully negotiated two water supply diversification agreements that enhance reliability and flexibility, which are briefly described as follows.

- The Otay WD entered into an agreement with the City of San Diego, known as the Otay Water Treatment Plant (WTP) Agreement. The Otay WTP Agreement provides for raw water purchase from the Water Authority and treatment by the City of San Diego at their Otay WTP for delivery to Otay WD. The supply system link to implement the Otay WTP Agreement to access the regions raw water supply system and the local water treatment plant became fully operational in August 2005. This supply link consists of the typical storage, transmission, pumping, flow measurement, and appurtenances to receive and transport the treated water to the Otay WD system. The City of San Diego obligation to supply 10 mgd of treated water under the Otay WTP Agreement is contingent upon there being available 10 mgd of surplus treatment capacity in the Otay WTP until such time as Otay WD pays the City of San Diego to expand the Otay WTP to meet the Otay WD future needs. In the event that the City of San Diego's surplus is projected to be less than 10 mgd the City of San Diego will consider and not unreasonably refuse the expansion of the Otay WTP to meet the Otay WD future needs. The Otay WTP existing rated capacity is 40 mgd with an actual effective capacity of approximately 34 mgd. The City of San Diego's typical demand for treated water from the Otay WTP is approximately 20 mgd. It is at the City of San Diego's discretion to utilize either imported raw water delivered by the Water Authority Pipeline No. 3 or local water stored in Lower Otay Reservoir for treatment to supply the Otay WD demand.
- The Otay WD entered into an agreement with the Water Authority, known as the East County Regional Treated Water Improvement Program (ECRTWIP Agreement). The ECRTWIP Agreement provides for transmission of raw water to the Helix WD R. M. Levy WTP for treatment and delivery to Otay WD. The supply system link to implement the ECRTWIP Agreement is complete allowing access to the regions raw water supply system and the local water treatment plant. This supply link consists of the typical transmission, pumping, storage, flow control, and appurtenances to receive and transport the potable water from the R. M. Levy WTP to Otay WD. The Otay WD is required to take a minimum of 10,000 acre-feet per year of treated water from the R.M. Levy WTP supplied from the regions raw water system.

### *Cost and Financing*

The capital improvement costs associated with water supply and delivery are financed through the Otay WD water meter capacity fee and user rate structures. The Otay WD potable water sales revenue are used to pay for the wholesale cost of the treated water supply and the operating and maintenance expenses of the potable water system facilities.

*Written Agreements, Contracts, or Other Proof*

The supply and cost associated with deliveries of treated water from the Otay WTP and the R.M. Levy WTP is based on the following documents.

Agreement for the Purchase of Treated Water from the Otay Water Treatment Plant between the City of San Diego and the Otay Water District. The Otay WD entered into an agreement dated January 11, 1999 with the City of San Diego that provides for 10 mgd of surplus treated water to the Otay WD from the existing Otay WTP capacity. The agreement allows for the purchase of treated water on an as available basis from the Otay WTP. The Otay WD pays the Water Authority at the prevailing raw water rate for raw water and pays the City of San Diego at a rate equal to the actual cost of treatment to potable water standards.

Agreement between the San Diego County Water Authority and Otay Water District Regarding Implementation of the East County Regional Treated Water Improvement Program. The ECRTWIP Agreement requires the purchase of at least 10,000 acre-feet per year of potable water from the Helix WD R.M. Levy WTP at the prevailing Water Authority treated water rate. The ECRTWIP Agreement is dated April 27, 2006.

Agreement between the San Diego County Water Authority and Otay Water District for Design, Construction, Operation, and Maintenance of the Otay 14 Flow Control Facility Modification. The Otay WD entered into the Otay 14 Flow Control Facility Modification Agreement dated January 24, 2007 with the Water Authority to increase the physical capacity of the Otay 14 Flow Control Facility. The Water Authority and Otay WD shared the capital cost to expand its capacity from 8 mgd to 16 mgd.

*Federal, State, and Local Permits/Approvals*

The Otay WD acquired all the permits for the construction of the pipeline and pump station associated with the Otay WTP supply source and for the 640-1 and 640-2 water storage reservoirs project associated with the ECRTWIP Agreement through the typical planning, environmental approval, design, and construction processes.

The transmission main project constructed about 26,000 feet of a 36-inch diameter steel pipeline from the Otay 14 Flow Control Facility to the 640-1 and 640-2 Reservoirs project. The Otay 14 Flow Control Facility modification increased the capacity of the existing systems from 8 mgd to 16 mgd. CEQA documentation is complete for both projects. Construction of both of these projects was completed October 2010.

The City of San Diego and the Helix Water District are required to meet all applicable federal, state, and local health and water quality requirements for the potable water produced at the Otay WTP and the R.M. Levy WTP respectively.

### **6.3.1.2 Recycled Water Supplies**

Wastewater collection, treatment, and disposal services provided by the Otay WD is limited to a relatively small area within what is known as the Jamacha Basin, located within the Middle Sweetwater River Basin watershed upstream of the Sweetwater Reservoir and downstream of Loveland Reservoir. Water recycling is defined as the treatment and disinfection of municipal wastewater to provide a water supply suitable for non-potable reuse. The Otay WD owns and operates the Ralph W. Chapman Water Reclamation Facility, which produces recycled water treated to a tertiary level for landscape irrigation purposes. The recycled water market area of the Otay WD is located primarily within the eastern area of the City of Chula Vista and on the Otay Mesa. The Otay WD distributes recycled water to a substantial market area that includes but is not limited to the U.S. Olympic Training Center, the Eastlake Golf Course, Otay Ranch, and other development projects.

The Otay WD projects that annual average demands for recycled water will increase to 6,500 acre-feet per year by 2040. About 1,300 acre-feet per year of supply is generated by the RWCWRF, with the remainder planned to be supplied to Otay WD by the City of San Diego's SBWRP.

#### North District Recycled Water Concept

The Otay WD is a recognized leader in the use of recycled water for irrigation and other commercial uses. The Otay WD continues to investigate all viable opportunities to expand the successful recycled water program into areas that are not currently served. One of these areas is in the portion of the service area designated as the North District, located within the Middle Sweetwater River Basin watershed upstream of the Sweetwater River. The close proximity of the recycled water markets in the North District to the Otay WD source of recycled water, the RWCWRF, means that the distribution system to serve this area could be constructed relatively cost effectively. This makes the North District a logical location for the expansion of the Otay WD recycled water system and market area.

The purpose of the North District Recycled Water System Development Project, Phase I Concept Study, was to identify the feasibility of using recycled water in the North District and to investigate and assess any limitations or constraints to its use. The Phase I study components of the North District Recycled Water Concept encompassed the preparation of six technical memorandums including the project definition, a discussion of the regulatory process, a discussion of the protection of the watershed that would be affected by recycled water use in the North District, identification of stakeholders, public outreach, and an implementation plan.

Several opportunities that could be realized with the implementation of the use of recycled water in the North District were identified. These include a reduction of demand on the potable water system and maximizing recycled water resources which in turn minimizes treated wastewater discharges to the local ocean outfall. Other opportunities are a possible

partnership with Sweetwater Authority to monitor any benefits and impacts of increased recycled water use in the watershed and stakeholder outreach to resolve any water quality concerns and to retain consumer confidence. Also identified were two major constraints associated with the North District Recycled Water System Development Project. One constraint is the water quality objectives for the Middle Sweetwater Basin that will affect the effluent limitations for the recycled water produced at the RWCWRF. The effluent limit of concern was total nitrogen. The RWCWRF underwent an upgrade in 2012 to enhance nitrogen removal through the treatment process. The other major constraint is the cost of the infrastructure needed to convey and store recycled water in the North District. These costs are estimated to be in the range of \$14 to \$15 million dollars.

There are two additional phases proposed for the North District Recycled Water System Development Project. Phase II would include further investigation of the issues identified in Phase I as requiring further study. These include stakeholder outreach, regulatory issues, and facility planning. The third phase of the effort would include the facility planning, permitting, environmental compliance, design, and construction of the improvements necessary for delivery of recycled water to the North District markets.

The estimated amount of imported water saved at full implementation of the North District Recycled Water System Development Project is 1,200 acre-feet per year. This saved imported water could then be used to offset new potable water demands.

#### *Recycled Water System Facilities*

The Otay WD has constructed recycled water storage, pumping, transmission, and distribution facilities and will continue to construct these facilities to meet projected recycled water market demands. The Supply Link project consisting of a transmission main, storage reservoir, and a pump station to receive and transport the recycled water from the City of San Diego's SBWRP was completed in 2007 and recycled water deliveries began on May 18, 2007.

#### *Cost and Financing*

The capital improvement costs associated with the recycled water supply and distribution systems are financed through the Otay WD water meter capacity fee and user rate structures. The Otay WD recycled water sales revenue, along with MWD and the Water Authority's recycled water sales incentive programs are used to help offset the costs for the wholesale purchase and production of the recycled water supply, the operating and maintenance expenses, and the capital costs of the recycled water system facilities.

#### *Written Agreements, Contracts, or Other Proof*

The supply and cost associated with deliveries of recycled water from the SBWRP is based on the following document.

Agreement between the Otay Water District and the City of San Diego for Purchase of Reclaimed Water from the South Bay Water Reclamation Plant. The agreement provides for the purchase of at least 6,721 acre-feet per year of recycled water from the SBWRP at an initial price of \$350 per acre-foot. The Otay Water District Board of Directors approved the final agreement on June 4, 2003 and the San Diego City Council approved the final agreement on October 20, 2003. Effective January 1, 2016, the City of San Diego raised the cost of recycled water 116% to \$754 per acre-foot.

#### *Federal, State, and Local Permits/Approvals*

The Otay WD has in place an agreement with MWD for their recycled water sales incentive program for supplies from the RWCWRF and the SBWRP. Also, the Otay WD has in place an agreement with the Water Authority for their recycled water sales incentive program for supplies from the RWCWRF and the SBWRP. The Water Authority sales incentive agreement was approved by Water Authority on July 26, 2007 and by Otay WD on August 1, 2007. All permits for the construction of the recycled water facilities to receive, store, and pump the SBWRP supply have been acquired through the typical planning, environmental approval, design, and construction processes.

The California Regional Water Quality Control Board San Diego Region (RWQCB) “Master Reclamation Permit for Otay Water District Ralph W. Chapman Reclamation Facility” was adopted on May 9, 2007 (Order No. R9-2007-0038). This order establishes master reclamation requirements for the production, distribution, and use of recycled water in the Otay WD service area. The order includes the use of tertiary treated water produced and received from the City of San Diego’s SBWRP. Recycled water received from and produced by the SBWRP is regulated by Regional Board Order No. 2000-203 and addenda. The City of San Diego is required to meet all applicable federal, state, and local health and water quality requirements for the recycled water produced at the SBWRP and delivered to Otay WD in conformance with Order No. 2000-203.

### **6.3.1.3 Potential Groundwater Supplies**

The Otay Water District WRMP Update, 2015 UWMP, and the 2015 Integrated Water Resources Plan Update all contain a description of the development of potential groundwater supplies. Over the past several years, Otay WD has studied numerous potential groundwater supply options that have shown, through groundwater monitoring well activities, poor quality water and/or insufficient yield from the basins at a cost effective level. The Otay WD has developed capital improvement program projects to continue the quest to develop potential groundwater resources. Local Otay WD groundwater supply development is currently considered as a viable water supply resource to meet projected demands.

The development and/or acquisition of potential groundwater supply projects by the Otay WD have been on hold in response to the regional water supply issues related to water source supply conditions. Local ground water supply projects will allow for less reliance upon

imported water, achieve a level of independence of the regional wholesale water agencies, and diversify the Otay WD water supply portfolio consistent with the Otay Water District 2015 IRP Update.

In recognition of the need to develop sufficient alternative water supplies, the Otay WD has taken the appropriate next steps towards development of production groundwater well projects.

There are three groundwater well projects that the Otay WD is actively pursuing to develop as new local water supplies. They are known as the Middle Sweetwater River Basin Groundwater Well, the Otay Mesa Lot 7 Groundwater Well, and the Rancho del Rey Groundwater Well projects.

#### Middle Sweetwater River Basin Groundwater Well

The Middle Sweetwater River Basin Groundwater Well is an additional water supply project that was thoroughly studied and documented in the 1990s. The Middle Sweetwater River Basin is located within the Sweetwater River watershed and that reach of the river extends from Sweetwater Reservoir to the upstream Loveland Reservoir. The next step in development of the Middle Sweetwater River Basin Groundwater Well is the implementation of a pilot well project. The ultimate objective of the Otay WD is to develop a groundwater well production system within the Middle Sweetwater River Basin capable of producing a sustainable yield of potable water as a local supply.

The purpose of the Middle Sweetwater River Basin Groundwater Well Pilot project is to identify the feasibility of developing a groundwater resource production system and then determine and assess any limitations or constraints that may arise. The Middle Sweetwater River Basin Groundwater Well Pilot Project will accomplish six primary goals:

- Update project setting
- Update applicable project alternatives analysis
- Prepare groundwater well pilot project implementation plan
- Construct and test pilot monitoring and extraction wells
- Provide recommendations regarding costs and feasibility to develop a groundwater well production system within the Middle Sweetwater River Basin capable of producing a sustainable yield of potable water
- Prepare groundwater well production project implementation plan and scope of work

The groundwater conjunctive use concept is described as the extraction of the quantity of water from the groundwater basin that was placed there by customers of the Otay Water District, Helix Water District, and Padre Dam Municipal Water District by means of their use of imported treated water that contributed to the overall volume of groundwater within the basin. An estimated quantity was developed to be approximately 12.5 percent of the total consumption of the Otay WD customers within that basin, as measured by water meters. In

the 1994-1995 period, the quantity of water that was returned to the groundwater basin by Otay WD customers was estimated to be 810 acre-feet per year. Currently, that 12.5 percent quantity could be on the order of 1,000 acre-feet per year. A future scope of work will need to address this concept while considering further development of the groundwater basin as an additional supply resource. If it is deemed that a Middle Sweetwater River Basin Groundwater Well Production Project is viable then the consultant will develop and provide a groundwater well production project implementation plan, cost estimate, and related scope of work.

Further development of the groundwater basin to enhance the total groundwater production could be accomplished by the Otay WD by means of additional extraction of water from the basin that is placed there by means of either injection and/or spreading basins using imported untreated water as the resource supply. The existing La Mesa Sweetwater Extension Pipeline, owned by the Water Authority, once converted to an untreated water delivery system, could be the conveyance system to transport untreated water for groundwater recharge in support of this conjunctive use concept. These two distinct water resource supply conjunctive use concepts will be addressed so they may coexist and to allow for their development as separate phases.

The scope of work to complete Middle Sweetwater River Basin Groundwater Well Pilot Project consists of many major tasks and is to address the groundwater supply concepts outlined above. It is anticipated that the cost for the entire scope of work, will be on the order of \$2,000,000, which includes a contingency and may take up to one and a half years to complete.

The primary desired outcome of the Middle Sweetwater River Basin Groundwater Well Pilot Project is for the engineering consultant to determine and make recommendations if it is financially prudent and physically feasible to develop a Phase I groundwater well production system within the Middle Sweetwater River Basin capable of producing a sustainable yield of up to 1,500 ac-ft/yr of potable water for the Otay WD. If it is deemed that a Middle Sweetwater River Basin Groundwater Well Production Project is viable then the consultant will develop and provide a groundwater well production project implementation plan and related scope of work.

#### Otay Mesa Lot 7 Groundwater Well

In early 2001 the Otay WD was approached by a landowner representative about possible interest in purchasing an existing well or alternatively, acquiring groundwater supplied from the well located on Otay Mesa. The landowner, National Enterprises, Inc., reportedly stated that the well could produce 3,200 acre-feet per year with little or no treatment required prior to introducing the water into the Otay WD potable water system or alternatively, the recycled water system. In March 2001 authorization to proceed with testing of the Otay Mesa Lot 7 Groundwater Well was obtained and the Otay WD proceeded with the investigation of this potential groundwater supply opportunity.

The May 2001 Geoscience Support Services, Inc. completed for the Otay WD the preparation of a report entitled, “Otay Mesa Lot 7 Well Investigation,” to assess the Otay Mesa Lot 7 Well. The scope of work included a geohydrologic evaluation of the well, analyses of the water quality samples, management and review of the well video log, and documentation of well pump testing. The primary findings, as documented in the report, formed the basis of the following recommendations:

- For the existing well to be use as a potable water supply resource, a sanitary seal must be installed in accordance with the DDW guidelines.
- Drawdown in the well must be limited to avoid the possibility of collapsing the casing.
- Recover from drawdown from pumping is slow and extraction would need to be terminated for up to 2 days to allow for groundwater level recovery.
- The well water would need to be treated and/or blended with potable water prior to introduction into the potable water distribution system.

The existing Otay Mesa Lot 7 Well, based upon the above findings, was determined not to be a reliable municipal supply of potable water and that better water quality and quantity perhaps could be discovered deeper or at an alternative location within the San Diego Formation.

The Otay WD may still continue to pursue the Otay Mesa groundwater well opportunity with due consideration of the recommendations of the existing report. Based on the recommendations of the investigation report, a groundwater well production facility at Otay Mesa Lot 7 could realistically extract approximately 300 acre-feet per year.

#### Rancho del Rey Groundwater Well

In 1991, the McMillin Development Company drilled the Rancho del Rey Groundwater Well to augment grading water supplies for their Rancho del Rey development projects. Although the well was considered a “good producer,” little was known regarding its water quality and sustainable yield because the water was used solely for earthwork (i.e. dust control and soil compaction). The well was drilled to 865 feet, with a finished depth of 830 feet and produced approximately 400 acre-feet per year of low quality water for four years until its use was discontinued in April 1995 when the well was no longer needed. McMillin notified the Otay WD of its intent to sell off the groundwater well asset.

In 1997, the Otay WD purchased an existing 7-inch well and the surrounding property on Rancho del Rey Parkway from the McMillin Company with the intent to develop it as a source of potable water. Treatment was required to remove salts and boron, among other constituents, using reverse osmosis membranes and ion exchange.

In 2000, having received proposals for the design and construction of a reverse osmosis treatment facility that far exceeded the allocated budget, the Board of Directors instructed staff to suspend the project until such time as it became economically viable.

In January 2010, citing the rising cost of imported water and the Otay WD's interest in securing its own water source for long-term supply reliability, the Board authorized Phase 1 for drilling and development of the Rancho del Rey Well.

On March 3, 2010, the Board adopted the Mitigated Negative Declaration for this project and a Notice of Determination was filed with the County of San Diego on March 5, 2010. In September 2010, a new 12-inch production well was drilled to a depth of 900 feet through the groundwater formation and into fractured bedrock. Testing showed the long-term yield of the new well to be 450 gpm, higher than previous studies had estimated. Separation Processes, Inc. (SPI), a highly qualified membrane treatment firm, was hired to conduct a detailed economic feasibility study to confirm that the annualized unit cost of the new water source was economically competitive with other sources. The economic study estimated the unit cost of water to be \$1,500 to \$2,000 per acre-foot for an alternative that utilizes a seawater membrane for treating both salts and boron. When compared with the current imported treated water rate from the Water Authority, and with the knowledge that this rate will continually increase as MWD and the Water Authority raise their rates, the Rancho del Rey Well project appears to be economically viable.

The Otay WD is continuing to pursue the Rancho del Rey groundwater well opportunity with due consideration of the recommendations of the existing reports and plans to develop a groundwater well production facility to extract approximately 500 acre-feet per year. For water planning purposes, production of groundwater from the Rancho del Rey well is considered “additional planned” for local supplies.

#### **6.3.1.4 Otay Water District Desalination Project**

The Otay WD is currently investigating the feasibility of purchasing desalinated water from a seawater reverse osmosis plant that is planned to be located in Rosarito, Mexico, known as the Otay Mesa Desalinated Water Conveyance System (Desalination) project. The treatment facility is intended to be designed, constructed, and operated in Mexico by a third party. The Otay WD's draft Desalination Feasibility Study, prepared in 2008, discusses the likely issues to be considered in terms of water treatment and monitoring, potential conveyance options within the United States from the international border to potential delivery points, and environmental, institutional, and permitting considerations for the Otay WD to import the Desalination project product water as a new local water supply resource.

While the treatment facility for the Desalination project will not be designed or operated by the Otay WD, it is important that the Otay WD maintain involvement with the planning, design, and construction of the facility to ensure that the implemented processes provide a product water of acceptable quality for distribution and use within the Otay WD's system as well as in other regional agencies' systems that may use the product water, i.e. City of San Diego, the Water Authority, etc. A seawater reverse osmosis treatment plant removes constituents of concern from the seawater, producing a water quality that far exceeds

established United States and California drinking water regulations for most parameters, however, a two-pass treatment system may be required to meet acceptable concentrations of boron and chlorides, similar to the levels seen within the existing Otay WD supply sources. The Desalination Feasibility Study addresses product water quality that is considered acceptable for public health and distribution.

The Otay WD, or any other potential participating agencies, will be required to get approval from the DDW in order to use the desalinated seawater as a water source. Several alternative approaches are identified for getting this approval. These alternatives vary in their cost and their likelihood of meeting DDW approval.

The Rosarito Desalination Facility Conveyance and Disinfection System Project report addresses two supply targets for the desalinated water (i.e. local and regional). The local alternative assumes that only Otay WD would participate and receive desalinated water, while the regional alternative assumes that other regional and/or local agencies would also participate in the Rosarito project.

On November 3, 2010, the Otay WD authorized the General Manager to enter into an agreement with AECOM for the engineering design, environmental documentation, and the permitting for the construction of the conveyance pipeline, pump station, and disinfection facility to be constructed within the Otay WD. The supply target is assumed to be 50 mgd while the ultimate capacity of the plant will be 100 mgd.

The Otay WD is proceeding with negotiations among the parties.

### **6.3.2 Otay Water District Capital Improvement Program**

The Otay WD plans, designs, constructs, and operates water system facilities to acquire sufficient supplies and to meet projected ultimate demands placed upon the potable and recycled water systems. In addition, the Otay WD forecasts needs and plans for water supply requirements to meet projected demands at ultimate build out. The necessary water facilities and water supply projects are implemented and constructed when development activities proceed and require service to achieve timely and adequate cost effective water service.

New water facilities that are required to accommodate the forecasted growth within the entire Otay WD service area are defined and described within the Otay Water District WRMP Update. These facilities are incorporated into the annual Otay WD Six Year Capital Improvement Program (CIP) for implementation when required to support development activities. As major development plans are formulated and proceed through the land use jurisdictional agency approval processes, Otay WD prepares water system requirements specifically for the proposed development project consistent with the Otay WD WRMP Update. These requirements document, define, and describe all the potable water and recycled water system facilities to be constructed to provide an acceptable and adequate level of service to the proposed land uses, as

well as the financial responsibility of the facilities required for service. The Otay WD funds the facilities identified as CIP projects. Established water meter capacity fees and user rates are collected to fund the CIP project facilities. The developer funds all other required water system facilities to provide water service to their project.

## **Section 7 – Conclusion: Availability of Sufficient Supplies**

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The University Innovation District Project is currently located within the jurisdictions of the Otay WD, Water Authority, and MWD. To obtain permanent imported water supply service, land areas are required to be within the jurisdictions of the Otay WD, Water Authority, and MWD to utilize imported water supply.

The Water Authority and MWD have an established process that ensures supplies are being planned to meet future growth. Any annexations and revisions to established land use plans are captured in the SANDAG updated forecasts for land use planning, demographics, and economic projections. SANDAG serves as the regional, intergovernmental planning agency that develops and provides forecast information. The Water Authority and MWD update their demand forecasts and supply needs based on the most recent SANDAG forecast approximately every five years to coincide with preparation of their urban water management plans. Prior to the next forecast update, local jurisdictions with land use authority may require water supply assessment and/or verification reports for proposed land developments that are not within the Otay WD, Water Authority, or MWD jurisdictions (i.e. pending or proposed annexations) or that have revised land use plans with either lower or higher development intensities than reflected in the existing growth forecasts. Proposed land areas with pending or proposed annexations, or revised land use plans, typically result in creating higher demand and supply requirements than previously anticipated. The Otay WD, Water Authority, and MWD next demand forecast and supply requirements and associated planning documents would then capture any increase or decrease in demands and required supplies as a result of annexations or revised land use planning decisions.

MWD's IRP identifies a mix of resources (imported and local) that, when implemented, will provide 100 percent reliability for full-service demands through the attainment of regional targets set for conservation, local supplies, State Water Project supplies, Colorado River supplies, groundwater banking, and water transfers. The 2015 IRP Update describes an adaptive management strategy to protect the region from future supply shortages. This adaptive management strategy has five components: achieve additional conservation savings, develop additional local water supplies, maintain Colorado River Aqueduct supplies, stabilize State Water Project supplies, and maximize the effectiveness of storage and transfer. MWD's 2015 IRP has a plan for identifying and implementing additional resources that expand the ability for MWD to meet future changes and challenges as necessary to ensure future reliability of supplies. The proper management of these resources help to ensure that the

southern California region, including San Diego County, will have adequate water supplies to meet long-term future demands.

MWD adopted its 2015 UWMP, in accordance with state law, on May 9, 2016. The resource targets included in the preceding 2015 IRP Update serve as the foundation for the planning assumptions used in the 2015 UWMP. MWD's 2015 UWMP contains a water supply reliability assessment that includes a detailed evaluation of the supplies necessary to meet demands over a 20-year period in average, single dry year, and multiple dry year periods. As part of this process, MWD also uses the current SANDAG regional growth forecast in calculating regional water demands for the Water Authority's service area.

As stated in MWD's 2015 UWMP, the plan may be used as a source document for meeting the requirements of SB 610 and SB 221 until the next scheduled update is completed in 5 years (2020). The 2015 UWMP includes a "Justifications for Supply Projections" in Appendix A.3, that provides detailed documentation of the planning, legal, financial, and regulatory basis for including each source of supply in the plan.

In the Findings Section of the Executive Summary (Page ES-5) of their 2015 UWMP, MWD states that MWD has supply capacities that would be sufficient to meet expected demands from 2020 through 2040 under the single dry-year and multiple dry-year conditions. MWD has plans for supply implementation and continued development of a diversified resource mix including programs in the Colorado River Aqueduct, State Water Project, Central Valley Transfers, local resource projects, and in-region storage that enables the region to meet its water supply needs. MWD's 2015 UWMP identifies potential reserve supplies in the supply capability analysis (Tables 2-4, 2-5 and 2-6), which could be available to meet the unanticipated demands.

The County Water Authority Act, Section 5 subdivision 11, states that the Water Authority "as far as practicable, shall provide each of its member agencies with adequate supplies of water to meet their expanding and increasing needs."

As part of preparation of a written water supply assessment report, an agency's shortage contingency analysis should be considered in determining sufficiency of supply. Section 11 of the Water Authority's 2015 Updated UWMP contains a detailed shortage contingency analysis that addresses a regional catastrophic shortage situation and drought management. The analysis demonstrates that the Water Authority and its member agencies, through the Emergency Response Plan, Emergency Storage Project, Carlsbad Desalination Project, and Drought Management Plan (DMP) are taking actions to prepare for and appropriately handle an interruption of water supplies. The DMP, adopted in May 2006, provides the Water Authority and its member agencies with a series of potential actions to take when faced with a shortage of imported water supplies from MWD due to prolonged drought or other supply shortfall conditions. The actions will help the region avoid or minimize the impacts of shortages and ensure an equitable allocation of supplies.

The WSA&V Report identifies and describes the processes by which water demand projections for the proposed University Innovation District Project will be fully included in the water demand and supply forecasts of the Urban Water Management Plans and other water resources planning documents of the Water Authority and MWD. Water supplies necessary to serve the demands of the proposed University Innovation District Project, along with existing and other projected future users, as well as the actions necessary and status to develop these supplies, have been identified in the University Innovation District Project WSA&V Report and will be included in the future water supply planning documents of the Water Authority and MWD.

This WSA&V Report includes, among other information, an identification of existing water supply entitlements, water rights, water service contracts, water supply projects, or agreements relevant to the identified water supply needs for the proposed University Innovation District Project. This WSA Report assesses, demonstrates, and documents that sufficient water supplies are planned for and are intended to be available over a 20-year planning horizon, under normal conditions and in single and multiple dry years to meet the projected demand of the proposed University Innovation District Project and the existing and other planned development projects to be served by the Otay WD.

Table 6 presents the forecasted balance of water demands and required supplies for the Otay WD service area under average or normal year conditions. The total actual demand for FY 2015 was 30,271 acre feet. The demand for FY 2015 is 2,999 acre feet lower than the demand in FY 2010 of 33,270 acre feet. The drop in demand is a result of the unit price of water, the conservation efforts of users as a result of the prolonged drought, and the economy.

Table 6 presents the forecasted balance of water demands and supplies for the Otay WD service area under single dry year conditions. Table 7 presents the forecasted balance of water demands and supplies for the Otay WD service area under multiple dry year conditions for the three year period ending in 2019. The multiple dry year conditions for periods ending in 2025, 2030, and 2035 are provided in the Otay Water District 2015 UWMP. The projected potable demand and supply requirements shown the Tables 6 and 7 are from the Otay WD 2015 UWMP. Hot, dry weather may generate urban water demands that are about 6.4 percent greater than normal. This percentage was utilized to generate the dry year demands shown in Table 7. The recycled water supplies are assumed to experience no reduction in a dry year.

**Table 6**  
**Projected Balance of Water Demands and Supplies Normal Year Conditions (acre feet)**

| Description   | FY 2020         | FY 2025         | FY 2030         | FY 2035         | FY 2040         |
|---|-----------------|-----------------|-----------------|-----------------|-----------------|
| <b>Demands</b>  |                 |                 |                 |                 |                 |
| Otay WD Demands   | 47,328          | 54,771          | 57,965          | 59,279          | 65,913          |
| Active Conservation Savings                             | (2,111)         | (1,844)         | (1,585)         | (1,538)         | (1,587)         |
| Accelerated Forecast Growth (AFG)<br>– Planning Area 12 | 46              | 46              | 46              | 46              | 46              |
| AFG – Otay Sunroad EOM SPA                              | 836             | 836             | 836             | 836             | 836             |
| AFG University Innovation District                      | 11.7            | 11.7            | 11.7            | 11.7            | 11.7            |
| Passive Conservation Savings                            | (2,497)         | (4,497)         | (5,489)         | (6,040)         | (6,744)         |
| <b>Total Demand</b>                                     | <b>43,613.7</b> | <b>49,323.7</b> | <b>51,784.7</b> | <b>52,594.7</b> | <b>58,475.7</b> |
| <b>Supplies</b>   |                 |                 |                 |                 |                 |
| Water Authority Supply                                  | 37,943.7        | 43,423.7        | 45,784.7        | 46,394.7        | 51,975.7        |
| Recycled Water Supply                                   | 5,670           | 5,900           | 6,000           | 6,200           | 6,500           |
| <b>Total Supply</b>                                     | <b>43,613.7</b> | <b>49,323.7</b> | <b>51,784.7</b> | <b>52,594.7</b> | <b>58,475.7</b> |
| <b>Supply Surplus/(Deficit)</b>                         | <b>0</b>        | <b>0</b>        | <b>0</b>        | <b>0</b>        | <b>0</b>        |

Table 7 presents the forecasted balance of water demands and supplies for the Otay WD service area under single dry year and multiple dry year conditions from the Otay Water District 2015 UWMP.

**Table 7**  
**Projected Balance of Water Demands and Supplies**  
**Single Dry and Multiple Dry Year Conditions (acre feet)**

|  | Normal Year   | Single Dry Year | Multiple Dry Years |               |               |
|--|---------------|-----------------|--------------------|---------------|---------------|
|  | FY 2011       | FY 2017         | FY 2017            | FY 2018       | FY 2019       |
| <b>Demands</b>   |               |                 |                    |               |               |
| Otay WD Demands  | 37,176        | 38,749          | 38,844             | 40,378        | 42,430        |
| <b>Total Demand</b>  | <b>37,176</b> | <b>38,749</b>   | <b>38,844</b>      | <b>40,378</b> | <b>42,430</b> |
| <b>Supplies</b>  |               |                 |                    |               |               |
| Water Authority Supply   | 33,268        | 33,877          | 33,972             | 35,240        | 37,026        |
| Recycled Water Supply  | 3,908         | 4,872           | 4,872              | 5,138         | 5,404         |
| <b>Total Supply</b>  | <b>37,176</b> | <b>34,639</b>   | <b>38,844</b>      | <b>40,378</b> | <b>42,430</b> |
| <b>Supply Surplus/(Deficit)</b>  | <b>0</b>      | <b>0</b>        | <b>0</b>           | <b>0</b>      | <b>0</b>      |
| <b>District Demand totals with SBX7-7 conservation target achievement plus single dry year increase as shown. The Water Authority could implement its DMP. In this instances, the Water Authority may have to allocate supply shortages based on it equitable allocation methodology in its DMP.</b> |               |                 |                    |               |               |

Dry year demands assumed to generate a 7% increase in demand over normal conditions for a single dry year. For multiple dry years an 8% increase in demand over normal conditions is projected in the first year, 14% in the second year and 21% increase is projected in the third year in addition to new demand growth.

In evaluating the availability of sufficient water supply, the University Innovation District Project development proponents will be required to participate in the development of alternative water supply project(s). This can be achieved through payment of the New Water Supply Fee adopted by the Otay WD Board in May 2010. These water supply projects are in addition to those identified as sustainable supplies in the current Water Authority and MWD UWMP, IRP, Master Plans, and other planning documents. These new water supply projects are in response to the regional water supply issues related to climatological, environmental, legal, and other challenges that impact water source supply conditions, such as the court rulings regarding the Sacramento-San Joaquin Delta and the current ongoing western states drought conditions. These new additional water supply projects are not currently developed and are in various stages of the planning process. The Otay WD water supply development program includes but is not limited to projects such as the Middle Sweetwater River Basin Groundwater Well project, the North District Recycled Water Supply Concept, the Otay WD Desalination project, and the Rancho del Rey Groundwater Well project. The Water Authority and MWD's next forecasts and supply planning documents would capture any increase in water supplies resulting from any new water resources developed by the Otay WD.

The Otay WD acknowledges the ever-present challenge of balancing water supply with demand and the inherent need to possess a flexible and adaptable water supply implementation strategy that can be relied upon during normal and dry weather conditions. The responsible regional water supply agencies have and will continue to adapt their resource plans and strategies to meet climate, environmental, and legal challenges so that they may continue to provide water supplies to their service areas. The regional water suppliers along with Otay WD fully intend to maintain sufficient reliable supplies through the 20-year planning horizon under normal, single, and multiple dry year conditions to meet projected demand of the University Innovation District Project, along with existing and other planned development projects within the Otay WD service area.

This WSA&V Report assesses, demonstrates, and documents that sufficient water supplies are planned for and are intended to be acquired, as well as the actions necessary and status to develop these supplies, to meet projected water demands of the University Innovation District Project as well as existing and other reasonably foreseeable planned development projects within the Otay WD for a 20-year planning horizon, in normal and in single and multiple dry years.

## **Source Documents**

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University Innovation District Project SB 610 and SB 221 Compliance request letter received August 31, 2016.

CH2M and Otay Water District, "Otay Water District 2015 Urban Water Management Plan Update", May 2016.

City of Chula Vista, "Otay Ranch General Development Plan/Sub-regional Plan, The Otay Ranch Joint Planning Project," October 1993 amended June 1996.

Otay Water District, "2008 Water Resources Master Plan Update," dated November 2010.

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Camp Dresser & McKee, Inc., "Otay Water District Integrated Water Resources Plan," March 2007.

Carollo and Otay Water District, 2015 Integrated Water Resources Plan Update, June 2015.

San Diego County Water Authority, "Final 2015 Urban Water Management Plan, June, 2016.

MWD Water District of Southern California, "2015 Urban Water Management Plan," June 2016.

Camp Dresser & McKee, Inc., "Rosarito Desalination Facility Conveyance and Disinfection System Project," June 21, 2010.

PBS&J, "Draft Otay Water District North District Recycled Water System Development Project, Phase I Concept Study," December 2008.

NBS Lowry, "Middle Sweetwater River System Study Water Resources Audit," June 1991.

Michael R. Welch, "Middle Sweetwater River System Study Alternatives Evaluation," May 1993.

Michael R. Welch, "Middle Sweetwater River Basin Conjunctive Use Alternatives," September 1994.

Geoscience Support Services, Inc., "Otay Mesa Lot 7 Well Investigation," May 2001.

Boyle Engineering Corporation, "Groundwater Treatment Feasibility Study Ranch del Rey Well Site," September 1996.

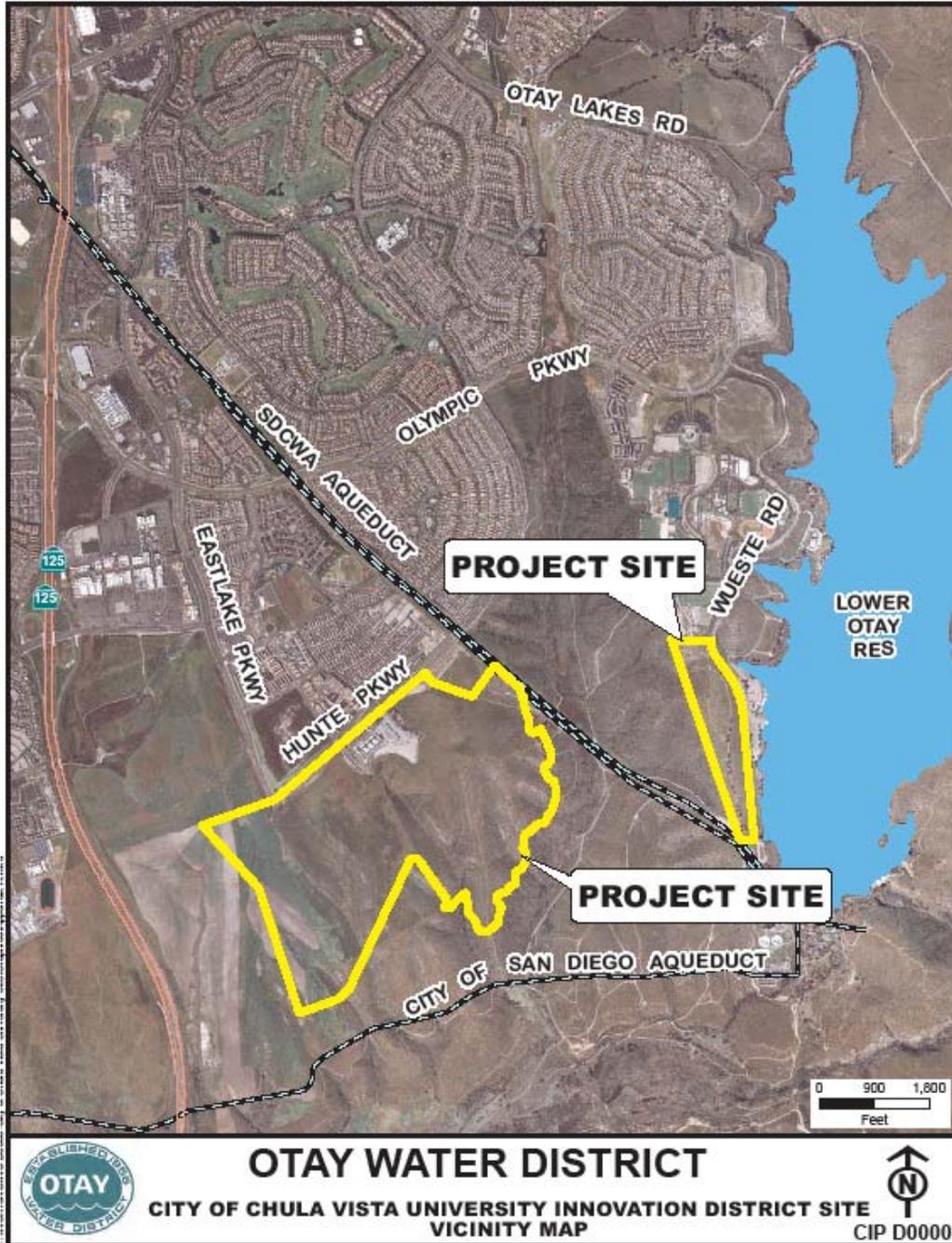
Agreement for the Purchase of Treated Water from the Otay Water Treatment Plant between the City of San Diego and the Otay Water District.

Agreement between the San Diego County Water Authority and Otay Water District regarding Implementation of the East County Regional Treated Water Improvement Program.

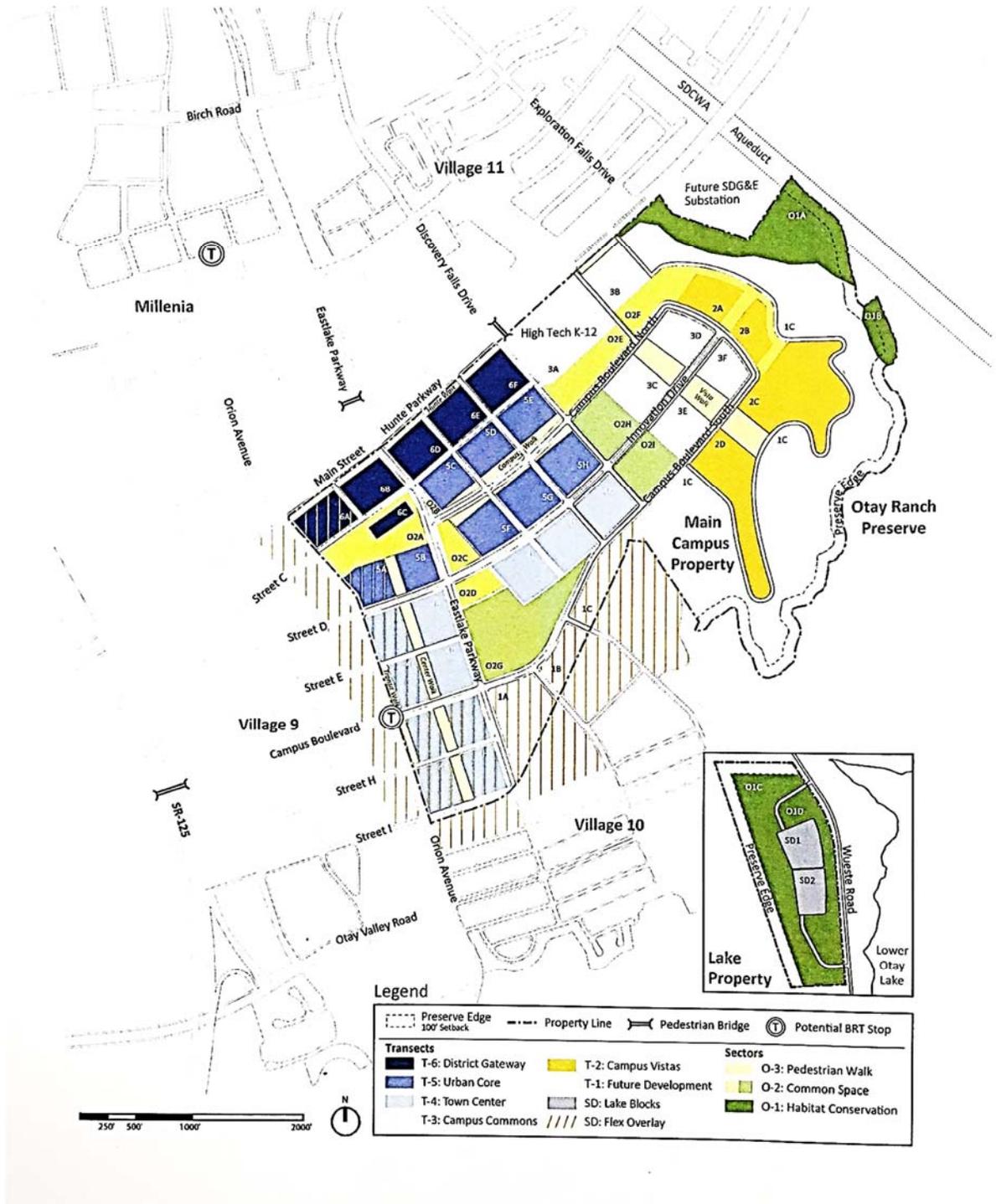
Agreement between the San Diego County Water Authority and Otay Water District for Design, Construction, Operation, and Maintenance of the Otay 14 Flow Control Facility Modification.

Agreement between the Otay Water District and the City of San Diego for Purchase of Reclaimed Water from the South Bay Water Reclamation Plant.

## Appendix A University Innovation District Project Vicinity Map



## Appendix B University Innovation District Project Development Plan



# EXHIBIT D

## Water Supply Assessment & Verification Report for the City of Chula Vista University Innovation District Project



**Otay Water District  
Board of Directors Meeting  
October 5, 2016**

# BACKGROUND

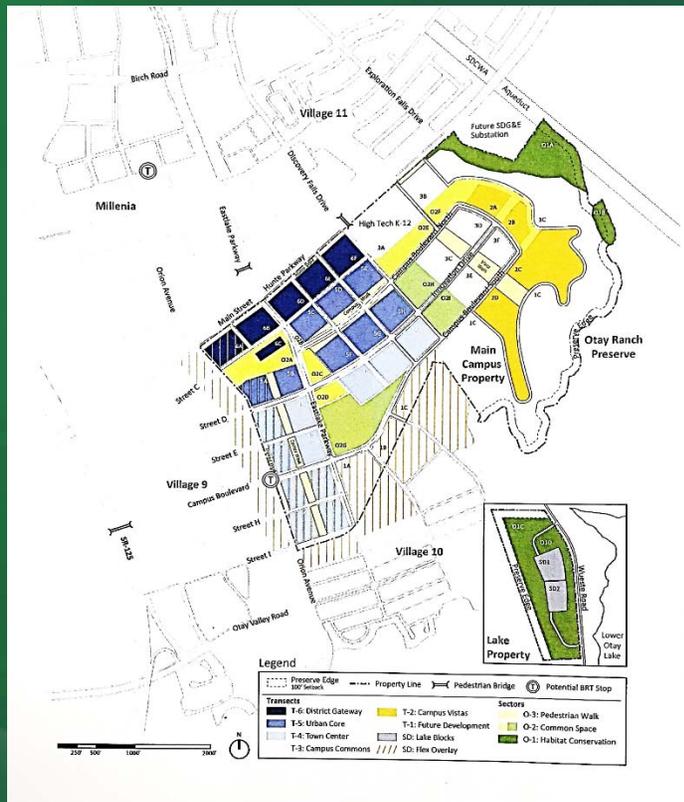
**Senate Bills 610 and 221 became effective on January 1, 2002.**

**Primary intent: Improve the link between water supply availability and land use decisions.**

- **SB 610 requires a Water Supply Assessment (WSA) to be included in the CEQA documents for a project.**
- **SB 221 requires a Water Supply Assessment & Verification (WSA&V), also included in the CEQA documents.**
- **Board approval required for submittal of the WSA&V Report to the City of Chula Vista.**

# City of Chula Vista University Innovation District

**Total Potable Water Demand – 941.7 AFY  
(11.7 higher than 2010 Update of 2008 WRMP)  
Total Recycled Water Demand – 178 AFY**



## Project Background

- 383.8 acre site planned for a State University.
- Includes education buildings, student & faculty housing, commercial, recreation, & open space areas.
- 10,066,200 sq. ft. of development.

## WSA & V Report

- **Acknowledges the challenges for regional and local water supply agencies in meeting demands and that a diversified portfolio is needed to serve existing and future needs.**
- **The Report documents planned water supply projects and the actions necessary to develop the supplies.**
- **Description of how water supply is planned and available for the project and for existing and future development over a 20-year planning horizon, under normal and in single-dry and multiple-dry years.**

# Diversification of County Water Authority Supplies

## Projected Verifiable Water Supply Projects

| <b>Water Authority Supplies</b><br>(acre feet) |                    |                   |
|--|--------------------|-------------------|
| <b>Project</b>                                 | <b>2020 - 2025</b> | <b>2030 -2040</b> |
| IID Water Transfer                             | 190,000            | 200,000           |
| ACC and CC Lining                              | 80,200             | 80,200            |
| Carlsbad Desalination                          | 56,000             | 56,000            |
| <b>Total:</b>                                  | <b>326,200</b>     | <b>336,200</b>    |

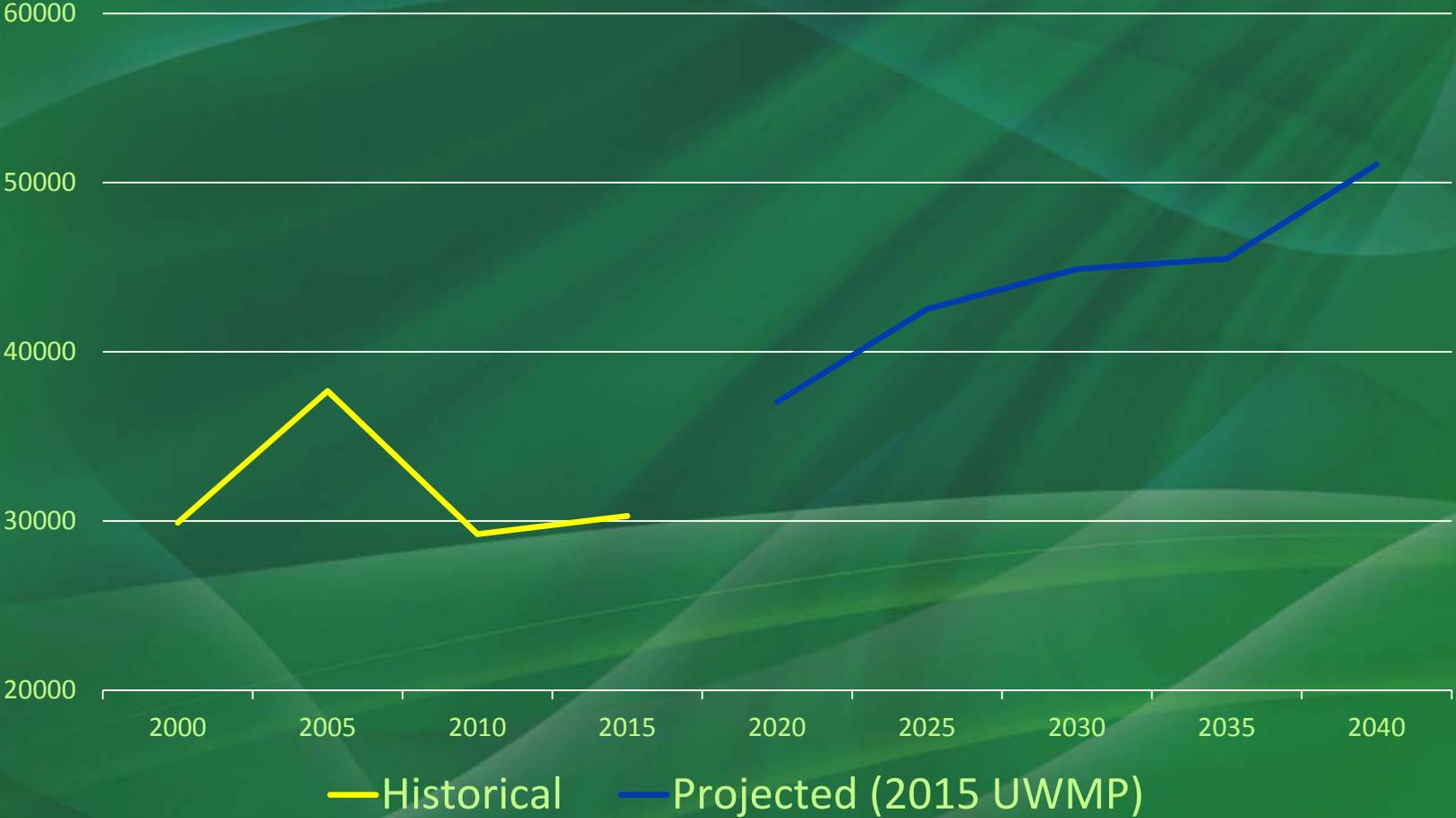
# Otay Water District Projected Balance of Supply and Demand

| Description                          | FY 2020  | FY 2025  | FY 2030  | FY 2035  | FY 2040  |
|--------------------------------------|----------|----------|----------|----------|----------|
| <b>Demands</b>                       |          |          |          |          |          |
| Otay WD Demands <sup>1</sup>         | 47,328   | 54,771   | 57,965   | 59,279   | 65,913   |
| AFG – Planning Area 12               | 46       | 46       | 46       | 46       | 46       |
| AFG – Otay 250 Sunroad SPA           | 836      | 836      | 836      | 836      | 836      |
| AFG – University Innovation District | 11.7     | 11.7     | 11.7     | 11.7     | 11.7     |
| Active Conservation Savings          | (2,111)  | (1,844)  | (1,585)  | (1,538)  | (1,587)  |
| Passive Conservation Savings         | (2,497)  | (4,497)  | (5,489)  | (6,040)  | (6,744)  |
| <b>Total Demands</b>                 | 43,613.7 | 49,323.7 | 51,784.7 | 52,594.7 | 58,475.7 |
| <b>Supplies</b>                      |          |          |          |          |          |
| Water Authority Supply               | 37,943.7 | 43,423.7 | 45,784.7 | 46,394.7 | 51,975.7 |
| Recycled Water Supply                | 5,670    | 5,900    | 6,000    | 6,200    | 6,500    |
| <b>Total Supply</b>                  | 43,613.7 | 49,323.7 | 51,784.7 | 52,594.7 | 58,475.7 |
| <b>Supply Surplus/(Deficit)</b>      | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> |

<sup>1</sup> Potable, recycled and near term-annexation demands.

Source: Table 6 of the City of Chula Vista University Innovation District Project WSA&V Report.

# Historical & Projected Potable Water Demands



# CONCLUSION

- **Water demand and supply forecasts are included in the planning documents of Metropolitan Water District of Southern California, San Diego County Water Authority, and the Otay Water District.**
- **Actions necessary to develop the identified water supplies are documented.**
- **The SB 610 & SB 221 WSA&V Report documents that sufficient water supplies are planned for and available over the next 20 years.**
- **The Board has met the intent of the SB 610 and SB 221 statutes.**

# STAFF RECOMMENDATION

That the Board of Directors approve Senate Bills 610 & 221  
updated Water Supply Assessment & Verification Report dated  
August 2016  
for the  
City of Chula Vista  
University Innovation District





# QUESTIONS?





# AGENDA ITEM 8a

## STAFF REPORT

|               |  |               |                 |
|---------------|--|---------------|-----------------|
| TYPE MEETING: | Regular Board Meeting  | MEETING DATE: | October 5, 2016 |
| SUBMITTED BY: | Mark Watton,<br>General Manager  | W.O./G.F. NO: | DIV. NO.        |
| APPROVED BY:  | <input checked="" type="checkbox"/> Susan Cruz, District Secretary<br><input checked="" type="checkbox"/> Mark Watton, General Manager |               |                 |
| SUBJECT:      | Board of Directors 2016 Calendar of Meetings   |               |                 |

**GENERAL MANAGER'S RECOMMENDATION:**

At the request of the Board, the attached Board of Director's meeting calendar for 2016 is being presented for discussion.

**PURPOSE:**

This staff report is being presented to provide the Board the opportunity to review the 2016 Board of Director's meeting calendar and amend the schedule as needed.

**COMMITTEE ACTION:**

N/A

**ANALYSIS:**

The Board requested that this item be presented at each meeting so they may have an opportunity to review the Board meeting calendar schedule and amend it as needed.

**STRATEGIC GOAL:**

N/A

**FISCAL IMPACT:**

None.

**LEGAL IMPACT:**

None.

Attachment: Calendar of Meetings for 2016

**Board of Directors, Workshops  
and Committee Meetings  
2016**

**Regular Board Meetings:**

January 6, 2016  
February 3, 2016  
March 2, 2016  
April 6, 2016  
May 4, 2016  
June 1, 2016  
July 6, 2016  
August 3, 2016  
September 7, 2016  
October 5, 2016  
**November 2, 2016**  
December 7, 2016

**Special Board or Committee Meetings (3<sup>rd</sup>  
Wednesday of Each Month or as Noted)**

January 20, 2016  
February 17, 2016  
March 16, 2016  
April 20, 2016  
May 18, 2016  
June 15, 2016  
July 20, 2016  
August 23, 2016  
September 14, 2016  
**October 19, 2016**  
November 16, 2016  
December 21, 2016

**SPECIAL BOARD MEETINGS:**

# AGENDA ITEM 9a



## STAFF REPORT

|               |   |               |                 |
|---------------|---|---------------|-----------------|
| TYPE MEETING: | Regular Board   | MEETING DATE: | October 5, 2016 |
|               |   | PROJECT:      | DIV. NO. All    |
| SUBMITTED BY: | Wales Benham<br>Senior Accountant   |               |                 |
| APPROVED BY:  | <input checked="" type="checkbox"/> Joseph R. Beachem, Chief Financial Officer<br><input checked="" type="checkbox"/> German Alvarez, Assistant General Manager<br><input checked="" type="checkbox"/> Mark Watton, General Manager |               |                 |
| SUBJECT:      | Fiscal Year 2016 Board of Directors' Expenses   |               |                 |

### **GENERAL MANAGER'S RECOMMENDATION:**

This is an informational item only.

### **COMMITTEE ACTION:**

Please see Attachment A.

### **PURPOSE:**

To present the Board of the Directors' expenses for Fiscal Year 2016.

### **ANALYSIS:**

The California Government Code Section 53065.5 requires special districts, at least annually, to disclose any reimbursement paid by a district within the immediately preceding fiscal year. This Staff Report and attached documentation fulfills this requirement. (See Attachment B for the Summary and C-H for Details.)

### **FISCAL IMPACT:**

None.

**STRATEGIC GOAL:**

Prudently manage District funds.

**LEGAL IMPACT:**

Compliance with state law.

Attachments:     Attachment A Committee Action  
                         Attachment B Director's Expenses and per Diems  
                         Attachment C-H Director's Expenses Detail



## ATTACHMENT A

|                         |   |
|-------------------------|---|
| <b>SUBJECT/PROJECT:</b> | Fiscal Year 2016 Board of Directors' Expenses |
|-------------------------|---|

### COMMITTEE ACTION:

This item was presented to the Finance, Administration and Communications Committee at a meeting held on September 13, 2016. The following comments were made:

- Staff presented the expenses for each director from July 1, 2015 thru June 30, 2016. It was indicated that the total expenditures for the fiscal year was \$27,012.83 with a total of 259 meetings. Staff stated that there was one correction made to the presentation since it was published. The number of meetings paid for Director Robak was corrected to 23 from 19 and the total meetings paid for all Directors was 215.
- Staff also indicated that the chart in the presentation shows the historical expenses and per diems annually since 2000. The historical figures were inflated to today's dollars using a 2% discount factor. Over the past five (5) years, the average annual expense has been \$25,744 which is a 53% reduction from the prior 12 year average. Staff noted that this chart was also updated and is different than the chart that was published with the committee packet.
- The Committee was very pleased that directors expenses have been very cost effective.
- The Committee requested that staff place the Board expense information on the District's website.

Following the discussion, the committee accepted the report and recommended that it be presented to the full board as an informational item.

# **BOARD OF DIRECTORS' EXPENSES AND PER DIEMS**

**BOARD OF DIRECTORS MEETING**

**October 5, 2016**

California Government Code Section 53065.5 and Otay Water District's Code of Ordinances Policy 8 require that staff present the expenses and per diems for the Board of Directors on an annual basis:

- Fiscal Year 2016.
- The expenses are shown by Board member and expense type.
- This presentation is in alphabetical order.
- This information is being presented to the Finance, Administration, and Communications Committee on September 13, 2016 and for the October 5, 2016 Board of Directors meeting.

# OTAY WATER DISTRICT

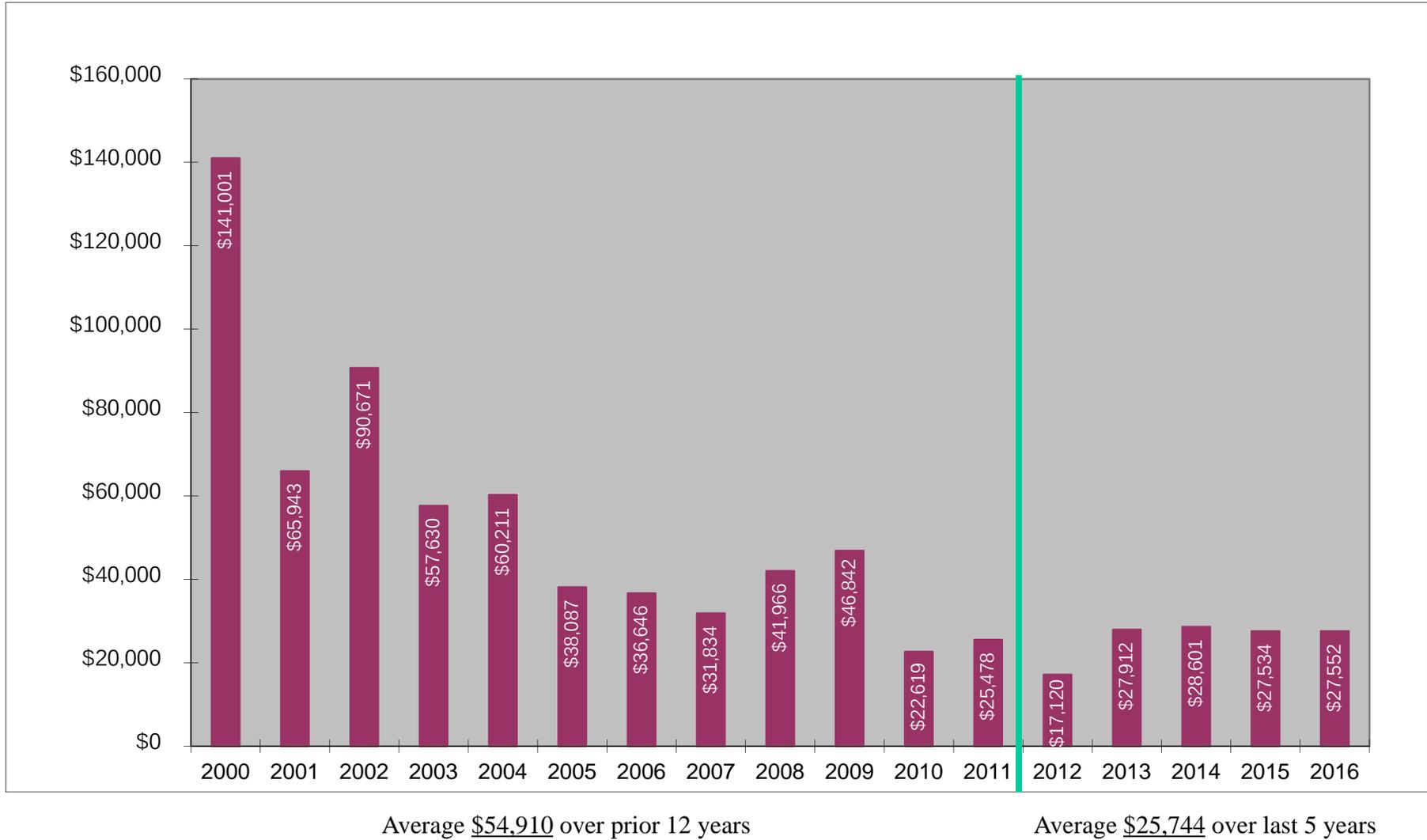
## BOARD EXPENSES

July 1, 2015 - June 30, 2016

|                                 | <u>Croucher</u> | <u>Lopez</u> | <u>Robak</u> | <u>Smith</u> | <u>Thompson</u> | <u>Total</u> |
|---------------------------------|-----------------|--------------|--------------|--------------|-----------------|--------------|
| <b>Business Meetings</b>        | \$ -            | \$ 75.00     | \$ 123.00    | \$ -         | \$ 684.09       | \$ 882.09    |
| <b>Director's Fees</b>          | 2,300.00        | 5,400.00     | 2,300.00     | 3,400.00     | 8,100.00        | 21,500.00    |
| <b>Mileage Business</b>         | -               | 164.28       | 130.67       | 189.26       | 684.43          | 1,168.64     |
| <b>Mileage Commuting</b>        | -               | 333.10       | 39.27        | 454.08       | 447.07          | 1,273.52     |
| <b>Conferences and Seminars</b> | -               | -            | -            | 325.00       | 637.56          | 962.56       |
| <b>Travel</b>                   | -               | -            | -            | -            | 1,226.02        | 1,226.02     |
| <b>Total</b>                    | \$ 2,300.00     | \$ 5,972.38  | \$ 2,592.94  | \$ 4,368.34  | \$ 11,779.17    | \$ 27,012.83 |

|                          |    |    |    |    |    |     |
|--------------------------|----|----|----|----|----|-----|
| <b>Meetings Attended</b> | 24 | 73 | 33 | 35 | 94 | 259 |
| <b>Meetings Paid</b>     | 23 | 54 | 23 | 34 | 81 | 215 |

## Board of Directors' Expenses and Per Diems\* Fiscal Years 2000 - 2016



**The last 5 year average is a 53%  
reduction from the  
prior 12 year average.**

\*Cost shown in current dollars using a 2% discount rate.

**OTAY WATER DISTRICT  
ADMINISTRATIVE EXPENSES - BOARD  
July 1, 2016 -June 30, 2016**

|  | <u>Jul-15</u>    | <u>Aug-15</u>    | <u>Sep-15</u>    | <u>Oct-15</u>    | <u>Nov-15</u>    | <u>Dec-15</u>    | <u>Jan-16</u>    | <u>Feb-16</u>    | <u>Mar-16</u>    | <u>Apr-16</u>    | <u>May-16</u>    | <u>Jun-16</u>    | <u>Total</u>       |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|
|  | 1                | 2                | 3                | 4                | 5                | 6                | 7                | 8                | 9                | 10               | 11               | 12               |                    |
| <b>GARY D. CROUCHER (DETAILED IN SECTION D):</b> |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                    |
| 5214 Business Meetings                           | \$ -             | \$ -             | \$ -             | \$ -             | \$ -             | \$ -             | \$ -             | \$ -             | \$ -             | \$ -             | \$ -             | \$ -             | \$ -               |
| 5281 Director's Fees                             | 200.00           | 200.00           | 200.00           | 200.00           | 100.00           | 200.00           | 100.00           | 100.00           | 300.00           | 300.00           | 300.00           | 100.00           | 2,300.00           |
| 5211 Mileage - Business                          | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                  |
| 5211 Mileage - Commuting                         | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                  |
| 5213 Seminars and Conferences                    | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                  |
| 5212 Travel                                      | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                  |
| <b>Total</b>                                     | <b>\$ 200.00</b> | <b>\$ 200.00</b> | <b>\$ 200.00</b> | <b>\$ 200.00</b> | <b>\$ 100.00</b> | <b>\$ 200.00</b> | <b>\$ 100.00</b> | <b>\$ 100.00</b> | <b>\$ 300.00</b> | <b>\$ 300.00</b> | <b>\$ 300.00</b> | <b>\$ 100.00</b> | <b>\$ 2,300.00</b> |

|  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                    |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|
| <b>JOSE LOPEZ (DETAILED IN SECTION E):</b> |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                    |
| 5214 Business Meetings                     | \$ -             | \$ -             | \$ -             | \$ 50.00         | \$ -             | \$ -             | \$ -             | \$ -             | \$ 25.00         | \$ -             | \$ -             | \$ -             | \$ 75.00           |
| 5281 Director's Fees                       | 200.00           | 500.00           | 500.00           | 800.00           | 300.00           | 500.00           | 500.00           | 300.00           | 300.00           | 700.00           | 500.00           | 300.00           | 5,400.00           |
| 5211 Mileage - Business                    | -                | 23.00            | 34.50            | 42.55            | 13.80            | 3.45             | -                | 16.20            | 24.30            | 6.48             | -                | -                | 164.28             |
| 5211 Mileage - Commuting                   | 11.50            | 11.50            | 11.50            | 46.00            | 23.00            | 46.00            | 32.40            | 21.60            | 21.60            | 43.20            | 43.20            | 21.60            | 333.10             |
| 5213 Seminars and Conferences              | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                  |
| 5212 Travel                                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                  |
| <b>Total</b>                               | <b>\$ 211.50</b> | <b>\$ 534.50</b> | <b>\$ 546.00</b> | <b>\$ 938.55</b> | <b>\$ 336.80</b> | <b>\$ 549.45</b> | <b>\$ 532.40</b> | <b>\$ 337.80</b> | <b>\$ 345.90</b> | <b>\$ 774.68</b> | <b>\$ 543.20</b> | <b>\$ 321.60</b> | <b>\$ 5,972.38</b> |

|  |             |                  |                  |                  |                  |                  |             |                  |                  |                  |                  |             |                    |
|--|-------------|------------------|------------------|------------------|------------------|------------------|-------------|------------------|------------------|------------------|------------------|-------------|--------------------|
| <b>MARK ROBAK (DETAILED IN SECTION F):</b> |             |                  |                  |                  |                  |                  |             |                  |                  |                  |                  |             |                    |
| 5214 Business Meetings                     | \$ -        | \$ 30.00         | \$ -             | \$ 20.00         | \$ 55.00         | \$ 18.00         | \$ -        | \$ -             | \$ -             | \$ -             | \$ -             | \$ -        | \$ 123.00          |
| 5281 Director's Fees                       | -           | 100.00           | 300.00           | 400.00           | 400.00           | 300.00           | -           | 100.00           | 300.00           | 200.00           | 200.00           | -           | 2,300.00           |
| 5211 Mileage - Business                    | -           | 3.45             | 2.30             | 37.95            | 23.00            | 21.85            | -           | 3.24             | 12.96            | 19.44            | 6.48             | -           | 130.67             |
| 5211 Mileage - Commuting                   | -           | 2.30             | 14.95            | 2.30             | 2.30             | 2.30             | -           | 2.16             | 4.32             | 4.32             | 4.32             | -           | 39.27              |
| 5213 Seminars and Conferences              | -           | -                | -                | -                | -                | -                | -           | -                | -                | -                | -                | -           | -                  |
| 5212 Travel                                | -           | -                | -                | -                | -                | -                | -           | -                | -                | -                | -                | -           | -                  |
| <b>Total</b>                               | <b>\$ -</b> | <b>\$ 135.75</b> | <b>\$ 317.25</b> | <b>\$ 460.25</b> | <b>\$ 480.30</b> | <b>\$ 342.15</b> | <b>\$ -</b> | <b>\$ 105.40</b> | <b>\$ 317.28</b> | <b>\$ 223.76</b> | <b>\$ 210.80</b> | <b>\$ -</b> | <b>\$ 2,592.94</b> |

**OTAY WATER DISTRICT  
ADMINISTRATIVE EXPENSES - BOARD  
July 1, 2016 -June 30, 2016**

|   | <u>Jul-15</u>      | <u>Aug-15</u>      | <u>Sep-15</u>      | <u>Oct-15</u>      | <u>Nov-15</u>      | <u>Dec-15</u>      | <u>Jan-16</u>      | <u>Feb-16</u>      | <u>Mar-16</u>      | <u>Apr-16</u>      | <u>May-16</u>      | <u>Jun-16</u>      | <u>Total</u>        |
|---|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| <b>TIM SMITH (DETAILED IN SECTION G)</b>          |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                     |
| 5214 Business Meetings                            | \$ -               | \$ -               | \$ -               | \$ -               | \$ -               | \$ -               | \$ -               | \$ -               | \$ -               | \$ -               | \$ -               | \$ -               | \$ -                |
| 5281 Director's Fees                              | 300.00             | 200.00             | 300.00             | 200.00             | 300.00             | 300.00             | 300.00             | 300.00             | 400.00             | 300.00             | 300.00             | 200.00             | 3,400.00            |
| 5211 Mileage - Business                           | -                  | -                  | -                  | -                  | -                  | 57.50              | 131.76             | -                  | -                  | -                  | -                  | -                  | 189.26              |
| 5211 Mileage - Commuting                          | 48.30              | 27.60              | 37.95              | -                  | 79.35              | 27.60              | 25.92              | 35.64              | 48.60              | 38.88              | 38.88              | 45.36              | 454.08              |
| 5213 Seminars and Conferences                     | -                  | -                  | -                  | -                  | -                  | -                  | -                  | -                  | 325.00             | -                  | -                  | -                  | 325.00              |
| 5212 Travel                                       | -                  | -                  | -                  | -                  | -                  | -                  | -                  | -                  | -                  | -                  | -                  | -                  | -                   |
| <b>Total</b>                                      | <b>\$ 348.30</b>   | <b>\$ 227.60</b>   | <b>\$ 337.95</b>   | <b>\$ 200.00</b>   | <b>\$ 379.35</b>   | <b>\$ 385.10</b>   | <b>\$ 457.68</b>   | <b>\$ 335.64</b>   | <b>\$ 773.60</b>   | <b>\$ 338.88</b>   | <b>\$ 338.88</b>   | <b>\$ 245.36</b>   | <b>\$ 4,368.34</b>  |
| <b>MITCHELL THOMPSON (DETAILED IN SECTION H):</b> |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                     |
| 5214 Business Meetings                            | \$ -               | \$ 250.00          | \$ 30.00           | \$ 50.00           | \$ 250.00          | \$ 22.09           | \$ -               | \$ -               | \$ -               | \$ 25.00           | \$ 26.00           | \$ 31.00           | \$ 684.09           |
| 5281 Director's Fees                              | 300.00             | -                  | 1,000.00           | 900.00             | 600.00             | 500.00             | 900.00             | 600.00             | 700.00             | 1,000.00           | 800.00             | 800.00             | 8,100.00            |
| 5211 Mileage - Business                           | 12.08              | -                  | 85.68              | 103.50             | 48.88              | 10.93              | 92.88              | 37.26              | 37.26              | 124.74             | 70.74              | 60.48              | 684.43              |
| 5211 Mileage - Commuting                          | 29.90              | -                  | 14.95              | 59.80              | 44.85              | 44.85              | 42.12              | 28.08              | 42.12              | 56.16              | 56.16              | 28.08              | 447.07              |
| 5213 Seminars and Conferences                     | -                  | 595.00             | 42.56              | -                  | -                  | -                  | -                  | -                  | -                  | -                  | -                  | -                  | 637.56              |
| 5212 Travel                                       | -                  | -                  | 1,226.02           | -                  | -                  | -                  | -                  | -                  | -                  | -                  | -                  | -                  | 1,226.02            |
| <b>Total</b>                                      | <b>\$ 341.98</b>   | <b>\$ 845.00</b>   | <b>\$ 2,399.21</b> | <b>\$ 1,113.30</b> | <b>\$ 943.73</b>   | <b>\$ 577.87</b>   | <b>\$ 1,035.00</b> | <b>\$ 665.34</b>   | <b>\$ 779.38</b>   | <b>\$ 1,205.90</b> | <b>\$ 952.90</b>   | <b>\$ 919.56</b>   | <b>\$ 11,779.17</b> |
| <b>TOTALS:</b>                                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                     |
| 5214 Business Meetings                            | \$ -               | \$ 280.00          | \$ 30.00           | \$ 120.00          | \$ 305.00          | \$ 40.09           | \$ -               | \$ -               | \$ -               | \$ 50.00           | \$ 26.00           | \$ 31.00           | \$ 882.09           |
| 5281 Director's Fees                              | 1,000.00           | 1,000.00           | 2,300.00           | 2,500.00           | 1,700.00           | 1,800.00           | 1,800.00           | 1,400.00           | 2,000.00           | 2,500.00           | 2,100.00           | 1,400.00           | 21,500.00           |
| 5211 Mileage - Business                           | 12.08              | 26.45              | 122.48             | 184.00             | 85.68              | 93.73              | 224.64             | 56.70              | 74.52              | 150.66             | 77.22              | 60.48              | 1,168.64            |
| 5211 Mileage - Commuting                          | 89.70              | 41.40              | 79.35              | 108.10             | 149.50             | 120.75             | 100.44             | 87.48              | 116.64             | 142.56             | 142.56             | 95.04              | 1,273.52            |
| 5213 Seminars and Conferences                     | -                  | 595.00             | 42.56              | -                  | -                  | -                  | -                  | -                  | 325.00             | -                  | -                  | -                  | 962.56              |
| 5212 Travel                                       | -                  | -                  | 1,226.02           | -                  | -                  | -                  | -                  | -                  | -                  | -                  | -                  | -                  | 1,226.02            |
| <b>Total</b>                                      | <b>\$ 1,101.78</b> | <b>\$ 1,942.85</b> | <b>\$ 3,800.41</b> | <b>\$ 2,912.10</b> | <b>\$ 2,240.18</b> | <b>\$ 2,054.57</b> | <b>\$ 2,125.08</b> | <b>\$ 1,544.18</b> | <b>\$ 2,516.16</b> | <b>\$ 2,843.22</b> | <b>\$ 2,345.78</b> | <b>\$ 1,586.52</b> | <b>\$ 27,012.83</b> |

**OTAY WATER DISTRICT  
SUMMARY - BOARD OF DIRECTORS EXPENSES  
FOR THE PERIOD JULY 1, 2015 THROUGH JUNE 30, 2016**

**DIRECTOR'S NAME CROUCHER, GARY**

**ATTACHMENT D**

| <b>Account Name</b>         | <b>Date</b>       | <b>Descriptions</b>  | <b>SECTION D<br/>Amount</b> |
|-----------------------------|-------------------|--|-----------------------------|
| <b>Director's Fee</b>       | <b>7/22/2015</b>  | ENGINEERING, OPERATIONS AND WATER COMMITTEE MEETING                  | \$ 100.00                   |
|                             | <b>7/28/2015</b>  | MEETING WITH TONNI ATKINS TO DISCUSS DROUGHT, DESAL AND WATER ISSUES | 100.00                      |
|                             | <b>8/11/2015</b>  | ENGINEERING, OPERATIONS AND WATER COMMITTEE MEETING                  | 100.00                      |
|                             | <b>8/13/2015</b>  | REGULAR BOARD OF DIRECTORS MEETING                                   | 100.00                      |
|                             | <b>9/2/2015</b>   | REGULAR BOARD OF DIRECTORS MEETING                                   | 100.00                      |
|                             | <b>9/23/2015</b>  | FINANCE AND ADMINISTRATIVE COMMITTEE MEETING                         | 100.00                      |
|                             | <b>10/7/2015</b>  | REGULAR BOARD OF DIRECTORS MEETING                                   | 100.00                      |
|                             | <b>10/20/2015</b> | ENGINEERING, OPERATIONS AND WATER COMMITTEE MEETING                  | 100.00                      |
|                             | <b>11/18/2015</b> | SPECIAL BOARD OF DIRECTORS MEETING                                   | 100.00                      |
|                             | <b>12/15/2015</b> | SPECIAL BOARD OF DIRECTORS MEETING                                   | 100.00                      |
|                             | <b>12/18/2015</b> | LAFCO SPECIAL DISTRICTS ADVISORY                                     | 100.00                      |
|                             | <b>1/19/2016</b>  | ENGINEERING AND OPERATIONS COMMITTEE MEETING                         | 100.00                      |
|                             | <b>2/12/2016</b>  | ENGINEERING, OPERATIONS AND WATER COMMITTEE MEETING                  | 100.00                      |
|                             | <b>3/2/2016</b>   | REGULAR BOARD OF DIRECTORS MEETING                                   | 100.00                      |
|                             | <b>3/15/2016</b>  | ENGINEERING, OPERATIONS AND WATER COMMITTEE MEETING                  | 100.00                      |
|                             | <b>3/23/2016</b>  | SPECIAL BOARD OF DIRECTORS MEETING                                   | 100.00                      |
|                             | <b>4/4/2016</b>   | SPECIAL BOARD OF DIRECTORS MEETING                                   | 100.00                      |
|                             | <b>4/6/2016</b>   | REGULAR BOARD OF DIRECTORS MEETING                                   | 100.00                      |
|                             | <b>4/19/2016</b>  | ENGINEERING AND OPERATIONS COMMITTEE MEETING                         | 100.00                      |
|                             | <b>5/4/2016</b>   | REGULAR BOARD OF DIRECTORS MEETING                                   | 100.00                      |
|                             | <b>5/17/2016</b>  | ENGINEERING AND OPERATIONS COMMITTEE MEETING                         | 100.00                      |
|                             | <b>5/23/2016</b>  | SPECIAL BOARD OF DIRECTORS MEETING                                   | 100.00                      |
|                             | <b>6/1/2016</b>   | REGULAR BOARD OF DIRECTORS MEETING                                   | 100.00                      |
| <b>Director's Fee Total</b> |                   |  | <b>2,300.00</b>             |
| <b>Grand Total</b>          |                   |  | <b>\$ 2,300.00</b>          |

**OTAY WATER DISTRICT  
SUMMARY - BOARD OF DIRECTORS EXPENSES  
FOR THE PERIOD JULY 1, 2015 THROUGH JUNE 30, 2016**

**DIRECTOR'S NAME: LOPEZ, JOSE**

**ATTACHMENT E**

| <b>Account Name</b>   | <b>Date</b>       | <b>Descriptions</b>  | <b>SECTION E<br/>Amount</b> |
|-----------------------|-------------------|--|-----------------------------|
| <b>Director's Fee</b> | <b>7/17/2015</b>  | COMMITTEE MEETING AGENDA BRIEFING                                    | \$ 100.00                   |
|                       | <b>7/21/2015</b>  | FINANCE AND ADMINISTRATIVE COMMITTEE MEETING                         | 100.00                      |
|                       | <b>8/7/2015</b>   | COMMITTEE MEETING AGENDA BRIEFING                                    | 100.00                      |
|                       | <b>8/13/2015</b>  | REGULAR BOARD OF DIRECTORS MEETING                                   | 100.00                      |
|                       | <b>8/25/2015</b>  | MEETING WITH COUNCILMAN MIESEN - RECYCLED WATER RATES                | 100.00                      |
|                       | <b>8/26/2015</b>  | MEETING WITH SAN DIEGO COUNCIL MEMBER EMERALD - RECYCLED WATER RATES | 100.00                      |
|                       | <b>8/28/2015</b>  | COMMITTEE MEETING AGENDA BRIEFING                                    | 100.00                      |
|                       | <b>9/2/2015</b>   | REGULAR BOARD OF DIRECTORS MEETING                                   | 100.00                      |
|                       | <b>9/8/2015</b>   | MEETING WITH SAN DIEGO CITY COUNCILWOMAN ZAPF                        | 100.00                      |
|                       | <b>9/15/2015</b>  | SAN DIEGO CITY COUNCIL MEETING                                       | 100.00                      |
|                       | <b>9/28/2015</b>  | COMMITTEE MEETING AGENDA BRIEFING                                    | 100.00                      |
|                       | <b>9/29/2015</b>  | SWEETWATER AUTHORITY DESAL GROUND BREAKING                           | 100.00                      |
|                       | <b>10/6/2015</b>  | AD HOC SALT CREEK GOLF COURSE DEVELOPMENT                            | 100.00                      |
|                       | <b>10/7/2015</b>  | REGULAR BOARD OF DIRECTORS MEETING                                   | 100.00                      |
|                       | <b>10/13/2015</b> | SOUTHWESTERN COLLEGE BOARD WATER RATE RESOLUTION                     | 100.00                      |
|                       | <b>10/16/2015</b> | COMMITTEE MEETING AGENDA BRIEFING                                    | 100.00                      |
|                       | <b>10/19/2015</b> | DESAL PROJECT COMMITTEE MEETING                                      | 100.00                      |
|                       | <b>10/21/2015</b> | FINANCE AND ADMINISTRATIVE COMMITTEE MEETING                         | 100.00                      |
|                       | <b>10/27/2015</b> | BOARD AGENDA BRIEFING WITH GM COUNSEL                                | 100.00                      |
|                       | <b>10/28/2015</b> | UNIVISION TV INTERVIEW WITH MAYOR MARY SALAS                         | 100.00                      |
|                       | <b>11/4/2015</b>  | REGULAR BOARD OF DIRECTORS MEETING                                   | 100.00                      |
|                       | <b>11/17/2015</b> | SAN DIEGO CITY COUNCIL - WATER RATES PRESENTATION                    | 100.00                      |
|                       | <b>11/18/2015</b> | SPECIAL BOARD OF DIRECTORS MEETING                                   | 100.00                      |

**OTAY WATER DISTRICT  
SUMMARY - BOARD OF DIRECTORS EXPENSES  
FOR THE PERIOD JULY 1, 2015 THROUGH JUNE 30, 2016**

**DIRECTOR'S NAME: LOPEZ, JOSE**

**ATTACHMENT E**

| <b>Account Name</b>   | <b>Date</b>       | <b>Descriptions</b>  | <b>SECTION E<br/>Amount</b> |
|-----------------------|-------------------|--|-----------------------------|
| <b>Director's Fee</b> | <b>12/4/2015</b>  | COMMITTEE MEETING AGENDA BRIEFING  | 100.00                      |
|                       | <b>12/7/2015</b>  | FINANCE AND ADMINISTRATIVE COMMITTEE MEETING                                 | 100.00                      |
|                       | <b>12/8/2015</b>  | ENGINEERING, OPERATIONS AND WATER COMMITTEE MEETING                          | 100.00                      |
|                       | <b>12/14/2015</b> | BUD LEWIS DESAL PLANT OPENING CEREMONIES                                     | 100.00                      |
|                       | <b>12/15/2015</b> | SPECIAL BOARD OF DIRECTORS MEETING   | 100.00                      |
|                       | <b>1/6/2016</b>   | REGULAR BOARD OF DIRECTORS MEETING   | 100.00                      |
|                       | <b>1/11/2016</b>  | SALT CREEK AD HOC COMMITTEE MEETING  | 100.00                      |
|                       | <b>1/19/2016</b>  | COUNCIL OF WATER UTILITIES   | 100.00                      |
|                       | <b>1/20/2016</b>  | FINANCE AND ADMINISTRATIVE COMMITTEE MEETING                                 | 100.00                      |
|                       | <b>1/30/2016</b>  | BOARD AGENDA BRIEFING  | 100.00                      |
|                       | <b>2/3/2016</b>   | REGULAR BOARD OF DIRECTORS MEETING   | 100.00                      |
|                       | <b>2/16/2016</b>  | FINANCE AND ADMINISTRATIVE COMMITTEE MEETING                                 | 100.00                      |
|                       | <b>2/17/2016</b>  | CROSS BORDER ENVIRONMENTAL FORUM - PRESENT OTAY WATER DISTRICT DESAL PROJECT | 100.00                      |
|                       | <b>3/2/2016</b>   | REGULAR BOARD OF DIRECTORS MEETING   | 100.00                      |
|                       | <b>3/17/2016</b>  | FINANCE AND ADMINISTRATIVE COMMITTEE MEETING                                 | 100.00                      |
|                       | <b>3/31/2016</b>  | WATER RELIABILITY COALITION  | 100.00                      |
|                       | <b>4/4/2016</b>   | SPECIAL BOARD OF DIRECTORS MEETING - ACTUARIAL STUDY WORKSHOP                | 100.00                      |
|                       | <b>4/6/2016</b>   | REGULAR BOARD OF DIRECTORS MEETING   | 100.00                      |
|                       | <b>4/15/2016</b>  | COMMITTEE AGENDA BRIEFING MEETING  | 100.00                      |
|                       | <b>4/19/2016</b>  | COUNCIL OF WATER UTILITIES   | 100.00                      |
|                       | <b>4/20/2016</b>  | FINANCE AND ADMINISTRATIVE COMMITTEE MEETING                                 | 100.00                      |
|                       | <b>4/27/2016</b>  | DESAL PROJECT COMMITTEE MEETING  | 100.00                      |
|                       | <b>4/29/2016</b>  | BOARD AGENDA BRIEFING  | 100.00                      |
|                       | <b>5/2/2016</b>   | AD HOC SALT CREEK GOLF COURSE DEVELOPMENT                                    | 100.00                      |
|                       | <b>5/4/2016</b>   | REGULAR BOARD OF DIRECTORS MEETING   | 100.00                      |
|                       | <b>5/18/2016</b>  | FINANCE AND ADMINISTRATIVE COMMITTEE MEETING                                 | 100.00                      |

**OTAY WATER DISTRICT  
SUMMARY - BOARD OF DIRECTORS EXPENSES  
FOR THE PERIOD JULY 1, 2015 THROUGH JUNE 30, 2016**

**DIRECTOR'S NAME: LOPEZ, JOSE**

**ATTACHMENT E**

| Account Name                     | Date              | Descriptions                                    | SECTION E<br>Amount |
|----------------------------------|-------------------|---|---------------------|
| <b>Director's Fee</b>            | <b>5/23/2016</b>  | BUDGET WORKSHOP                                 | 100.00              |
|                                  | <b>5/27/2016</b>  | BOARD AGENDA BRIEFING                           | 100.00              |
|                                  | <b>6/1/2016</b>   | REGULAR BOARD OF DIRECTORS MEETING              | 100.00              |
|                                  | <b>6/17/2016</b>  | COMMITTEE AGENDA BRIEFING MEETING               | 100.00              |
|                                  | <b>6/22/2016</b>  | FINANCE AND ADMINISTRATIVE COMMITTEE MEETING    | 100.00              |
| <b>Director's Fee Total</b>      |                   |   | <b>5,400.00</b>     |
| <b>Mileage -<br/>Commuting</b>   | <b>7/21/2015</b>  | MEETING - JULY 21, 2015                         | 11.50               |
|                                  | <b>8/31/2015</b>  | MEETING - AUGUST 13, 2015                       | 11.50               |
|                                  | <b>9/30/2015</b>  | MEETING - SEPTEMBER 02, 2015                    | 11.50               |
|                                  | <b>10/31/2015</b> | MEETING - OCTOBER 6, 7, 19 & 21, 2015           | 46.00               |
|                                  | <b>11/30/2015</b> | MEETING - NOVEMBER 4, & 18, 2015                | 23.00               |
|                                  | <b>12/31/2015</b> | MEETING - DECEMBER 7, 8, 14, & 15, 2015         | 46.00               |
|                                  | <b>1/30/2016</b>  | MEETING - JANUARY 6, 11, & 20, 2016             | 32.40               |
|                                  | <b>2/29/2016</b>  | MEETING - FEBRUARY 3 & 16, 2016                 | 21.60               |
|                                  | <b>3/31/2016</b>  | MEETING - MARCH 2 & 17, 2016                    | 21.60               |
|                                  | <b>4/30/2016</b>  | MEETING - APRIL 4, 6, 20, & 27, 2016            | 43.20               |
|                                  | <b>5/31/2016</b>  | MEETING - MAY 2, 4, 18 & 23, 2016               | 43.20               |
|                                  | <b>6/30/2016</b>  | MEETING - JUNE 1 & 22, 2016                     | 21.60               |
| <b>Mileage - Commuting Total</b> |                   |   | <b>333.10</b>       |
| <b>Business meetings</b>         | <b>10/22/2015</b> | ATTENDED THE RIBBONS AND SHOVELS AWARDS BANQUET | 50.00               |
|                                  | <b>4/19/2016</b>  | COUNCIL OF WATER UTILITIES                      | 25.00               |
| <b>Business meetings Total</b>   |                   |   | <b>75.00</b>        |
| <b>Mileage - Business</b>        | <b>8/31/2015</b>  | MEETING - AUGUST 7, 25, 26, & 28, 2015          | 23.00               |
|                                  | <b>9/30/2015</b>  | MEETING - SEPTEMBER 8, 15, 28, & 29 2015        | 34.50               |
|                                  | <b>10/31/2015</b> | MEETING - OCTOBER 6, 13, 16, 27, & 28, 2015     | 42.55               |
|                                  | <b>11/30/2015</b> | MEETING - NOVEMBER 17, 2015                     | 13.80               |
|                                  | <b>12/31/2015</b> | MEETING - DECEMBER 4, 2015                      | 3.45                |
|                                  | <b>2/29/2016</b>  | MEETING - FEBRUARY 4, 2016                      | 16.20               |
|                                  | <b>3/31/2016</b>  | MEETING - MARCH 31, 2016                        | 24.30               |
|                                  | <b>4/30/2016</b>  | MEETING - APRIL 15, & 29, 2016                  | 6.48                |
| <b>Mileage - Business Total</b>  |                   |   | <b>164.28</b>       |
| <b>Grand Total</b>               |                   |   | <b>\$ 5,972.38</b>  |

**OTAY WATER DISTRICT  
SUMMARY - BOARD OF DIRECTORS EXPENSES  
FOR THE PERIOD JULY 1, 2015 THROUGH JUNE 30, 2016**

**DIRECTOR'S NAME:      ROBAK, MARK**

**ATTACHMENT F**

| Account Name                | Date              | Descriptions  | SECTION F<br>Amount |
|-----------------------------|-------------------|---|---------------------|
| <b>Director's Fee</b>       | <b>8/13/2015</b>  | REGULAR BOARD OF DIRECTORS MEETING  | \$ 100.00           |
|                             | <b>9/2/2015</b>   | REGULAR BOARD OF DIRECTORS MEETING  | 100.00              |
|                             | <b>9/22/2015</b>  | ENGINEERING, OPERATIONS AND WATER COMMITTEE MEETING   | 100.00              |
|                             | <b>9/23/2015</b>  | FINANCE AND ADMINISTRATIVE COMMITTEE MEETING  | 100.00              |
|                             | <b>10/7/2015</b>  | REGULAR BOARD OF DIRECTORS MEETING  | 100.00              |
|                             | <b>10/15/2015</b> | SDCWA SYMPOSIUM AT USD - DISCUSSED DROUGHT AND EL NINO  | 100.00              |
|                             | <b>10/21/2015</b> | CONSERVATION ACTION COMMITTEE PRESENTATION BY AUTHOR CHARLES FISHMAN AT SDG&E INNOVIATIONS CENTER | 100.00              |
|                             | <b>10/27/2015</b> | EAST COUNTY CHAMBER GOVERNMENT AFFAIRS AND LAND USE INFRASTRUCTURE COMMITTEE                      | 100.00              |
|                             | <b>11/4/2015</b>  | REGULAR BOARD OF DIRECTORS MEETING  | 100.00              |
|                             | <b>11/16/2015</b> | WATER CONSERVATION GARDEN JPA BOARD MEETING   | 100.00              |
|                             | <b>11/17/2015</b> | WATER CONSERVATION GARDEN FRIENDS BOARD MEETING   | 100.00              |
|                             | <b>11/19/2015</b> | CSDA QUARTERLY DINNER LAFCO PRESENTATIONS   | 100.00              |
|                             | <b>12/8/2015</b>  | MEET WITH SDCWA JASON FOSTER - CONSERVATION ACTION COMMITTEE MEETING                              | 100.00              |
|                             | <b>12/14/2015</b> | DEDICATION - CARLSBAD DESAL PLANT   | 100.00              |
|                             | <b>12/15/2015</b> | SPECIAL BOARD OF DIRECTORS MEETING  | 100.00              |
|                             | <b>2/3/2016</b>   | REGULAR BOARD OF DIRECTORS MEETING  | 100.00              |
|                             | <b>3/2/2016</b>   | REGULAR BOARD OF DIRECTORS MEETING  | 100.00              |
|                             | <b>3/18/2016</b>  | WATER CONSERVATION GARDEN JPA BOARD MEETING   | 100.00              |
|                             | <b>3/23/2016</b>  | SPECIAL BOARD OF DIRECTORS MEETING  | 100.00              |
|                             | <b>4/4/2016</b>   | SPECIAL BOARD OF DIRECTORS MEETING  | 100.00              |
|                             | <b>4/6/2016</b>   | REGULAR BOARD OF DIRECTORS MEETING  | 100.00              |
|                             | <b>5/4/2016</b>   | REGULAR BOARD OF DIRECTORS MEETING  | 100.00              |
|                             | <b>5/23/2016</b>  | SPECIAL BOARD OF DIRECTORS MEETING  | 100.00              |
| <b>Director's Fee Total</b> |                   |   | <b>2,300.00</b>     |

**OTAY WATER DISTRICT  
SUMMARY - BOARD OF DIRECTORS EXPENSES  
FOR THE PERIOD JULY 1, 2015 THROUGH JUNE 30, 2016**

**DIRECTOR'S NAME:      ROBAK, MARK**

**ATTACHMENT F**

| Account Name                     | Date              | Descriptions                                       | SECTION F<br>Amount |
|----------------------------------|-------------------|--|---------------------|
| <b>Mileage - Commuting</b>       | <b>8/13/2015</b>  | MEETING - AUGUST 13, 2015                          | 2.30                |
|                                  | <b>9/30/2015</b>  | MEETING - SEPTEMBER 2, 22 & 23 2015                | 14.95               |
|                                  | <b>12/16/2015</b> | MEETING - OCTOBER 7, 2015                          | 2.30                |
|                                  | <b>12/18/2015</b> | MEETING - NOVEMBER 4, 2015                         | 2.30                |
|                                  | <b>12/20/2015</b> | MEETING - DECEMBER 15, 2015                        | 2.30                |
|                                  | <b>2/28/2016</b>  | MEETING - FEBRUARY 3, 2016                         | 2.16                |
|                                  | <b>3/2/2016</b>   | MEETING - MARCH 2, 2016                            | 2.16                |
|                                  | <b>3/23/2016</b>  | MEETING - MARCH 23, 2016                           | 2.16                |
|                                  | <b>4/30/2016</b>  | MEETING - APRIL 4 & 6, 2016                        | 4.32                |
|                                  | <b>5/31/2016</b>  | MEETING - MAY 4 & 23, 2016                         | 4.32                |
| <b>Mileage - Commuting Total</b> |                   |  | <b>39.27</b>        |
| <b>Business meetings</b>         | <b>8/24/2015</b>  | SAN DIEGO EAST COUNTY MEETING                      | 30.00               |
|                                  | <b>10/22/2015</b> | SAN DIEGO EAST COUNTY MEETING                      | 20.00               |
|                                  | <b>11/13/2015</b> | CSDA DINNER MEETING                                | 30.00               |
|                                  | <b>11/23/2015</b> | SAN DIEGO EAST COUNTY ECONOMIC DEVELOPMENT MEETING | 25.00               |
|                                  | <b>12/31/2015</b> | SAN DIEGO EAST COUNTY ECONOMIC DEVELOPMENT MEETING | 18.00               |
| <b>Business meetings Total</b>   |                   |  | <b>123.00</b>       |
| <b>Mileage - Business</b>        | <b>8/30/2015</b>  | MEETING - AUGUST 13, 2015                          | 3.45                |
|                                  | <b>9/2/2015</b>   | MEETING - SEPTEMBER 2, 2015                        | 2.30                |
|                                  | <b>12/17/2015</b> | MEETING - OCTOBER 7, 15 & 21, 2015                 | 37.95               |
|                                  | <b>12/19/2015</b> | MEETING - NOVEMBER 16, 17, & 19, 2015              | 23.00               |
|                                  | <b>12/21/2015</b> | MEETING - DECEMBER 5, 8, & 14, 2015                | 21.85               |
|                                  | <b>2/28/2016</b>  | MEETING - FEBRUARY 3, 2016                         | 3.24                |
|                                  | <b>3/2/2016</b>   | MEETING - MARCH 2, 2016                            | 3.24                |
|                                  | <b>3/18/2016</b>  | MEETING - MARCH 18, 2016                           | 6.48                |
|                                  | <b>3/23/2016</b>  | MEETING - MARCH 23, 2016                           | 3.24                |
|                                  | <b>4/30/2016</b>  | MEETING - APRIL 4 & 6, 2016                        | 19.44               |
|                                  | <b>5/31/2016</b>  | MEETING - MAY 4 & 23, 2016                         | 6.48                |
| <b>Mileage - Business Total</b>  |                   |  | <b>130.67</b>       |
| <b>Grand Total</b>               |                   |  | <b>\$ 2,592.94</b>  |

**OTAY WATER DISTRICT  
SUMMARY - BOARD OF DIRECTORS EXPENSES  
FOR THE PERIOD JULY 1, 2015 THROUGH JUNE 30, 2016**

**DIRECTOR'S NAME: SMITH, TIM**

**ATTACHMENT G**

| Account Name          | Date              | Descriptions   | SECTION G<br>Amount |
|-----------------------|-------------------|--|---------------------|
| <b>Director's Fee</b> | <b>7/22/2015</b>  | ENGINEERING, OPERATIONS AND WATER COMMITTEE MEETING                            | \$ 100.00           |
|                       | <b>7/27/2015</b>  | CHULA VISTA INTERAGENCY - DISCUSS WATER ISSUES WITH CHULA VISTA AND SWEETWATER | 100.00              |
|                       | <b>7/28/2015</b>  | MEETING WITH TONNI ATKINS TO DISCUSS DROUGHT, DESAL AND WATER ISSUES           | 100.00              |
|                       | <b>8/11/2015</b>  | ENGINEERING, OPERATIONS AND WATER COMMITTEE MEETING                            | 100.00              |
|                       | <b>8/13/2015</b>  | REGULAR BOARD OF DIRECTORS MEETING   | 100.00              |
|                       | <b>9/2/2015</b>   | REGULAR BOARD OF DIRECTORS MEETING   | 100.00              |
|                       | <b>9/22/2015</b>  | ENGINEERING, OPERATIONS AND WATER COMMITTEE MEETING                            | 100.00              |
|                       | <b>9/29/2015</b>  | PROJECT GROUND BREAKING OF SWEETWATER FACILITY                                 | 100.00              |
|                       | <b>10/7/2015</b>  | REGULAR BOARD OF DIRECTORS MEETING   | 100.00              |
|                       | <b>10/20/2015</b> | ENGINEERING, OPERATIONS AND WATER COMMITTEE MEETING                            | 100.00              |
|                       | <b>11/4/2015</b>  | REGULAR BOARD OF DIRECTORS MEETING   | 100.00              |
|                       | <b>11/18/2015</b> | SPECIAL BOARD OF DIRECTORS MEETING   | 100.00              |
|                       | <b>11/30/2015</b> | CHULA VISTA INTERAGENCY - MEETING TO DISCUSS COMMON WATER AGENCY GOALS         | 100.00              |
|                       | <b>12/8/2015</b>  | ENGINEERING, OPERATIONS AND WATER COMMITTEE MEETING                            | 100.00              |
|                       | <b>12/14/2015</b> | DEDICATION - CARLSBAD DESAL PLANT  | 100.00              |
|                       | <b>12/15/2015</b> | SPECIAL BOARD OF DIRECTORS MEETING   | 100.00              |
|                       | <b>1/6/2016</b>   | REGULAR BOARD OF DIRECTORS MEETING   | 100.00              |
|                       | <b>1/19/2016</b>  | ENGINEERING, OPERATIONS AND WATER COMMITTEE MEETING                            | 100.00              |
|                       | <b>1/26/2016</b>  | AWWA POTABLE REUSE SYMPOSIUM   | 100.00              |

**OTAY WATER DISTRICT  
SUMMARY - BOARD OF DIRECTORS EXPENSES  
FOR THE PERIOD JULY 1, 2015 THROUGH JUNE 30, 2016**

**DIRECTOR'S NAME: SMITH, TIM**

**ATTACHMENT G**

| Account Name                          | Date              | Descriptions  | SECTION G<br>Amount |
|---------------------------------------|-------------------|---|---------------------|
| <b>Director's Fee</b>                 | <b>2/2/2016</b>   | DISCUSS WATER AND WASTEWATER PROJECT INTEREST IN CHULA VISTA                  | 100.00              |
|                                       | <b>2/3/2016</b>   | REGULAR BOARD OF DIRECTORS MEETING  | 100.00              |
|                                       | <b>2/12/2016</b>  | ENGINEERING, OPERATIONS AND WATER COMMITTEE MEETING                           | 100.00              |
|                                       | <b>3/2/2016</b>   | REGULAR BOARD OF DIRECTORS MEETING  | 100.00              |
|                                       | <b>3/7/2016</b>   | CHULA VISTA INTERAGENCY TASK FORCE  | 100.00              |
|                                       | <b>3/15/2016</b>  | ENGINEERING, OPERATIONS AND WATER COMMITTEE MEETING                           | 100.00              |
|                                       | <b>3/23/2016</b>  | SPECIAL BOARD OF DIRECTORS MEETING  | 100.00              |
|                                       | <b>4/4/2016</b>   | SPECIAL BOARD OF DIRECTORS MEETING  | 100.00              |
|                                       | <b>4/6/2016</b>   | REGULAR BOARD OF DIRECTORS MEETING  | 100.00              |
|                                       | <b>4/19/2016</b>  | ENGINEERING AND OPERATIONS COMMITTEE MEETING                                  | 100.00              |
|                                       | <b>5/4/2016</b>   | REGULAR BOARD OF DIRECTORS MEETING  | 100.00              |
|                                       | <b>5/17/2016</b>  | ENGINEERING AND OPERATIONS COMMITTEE MEETING                                  | 100.00              |
|                                       | <b>5/23/2016</b>  | BUDGET WORKSHOP   | 100.00              |
|                                       | <b>6/21/2016</b>  | ENGINEERING AND OPERATIONS COMMITTEE MEETING                                  | 100.00              |
|                                       | <b>6/29/2016</b>  | SWEETWATER AUTHORITY - PREPARE FOR CHULA VISTA INTERAGENCY TASK FORCE MEETING | 100.00              |
| <b>Director's Fee Total</b>           |                   |   | <b>3,400.00</b>     |
| <b>Mileage -</b>                      | <b>7/25/2015</b>  | MEETING - JULY 22, 27 & 28, 2015  | 48.30               |
|                                       | <b>8/31/2015</b>  | MEETING - AUGUST 11 & 13, 2015  | 27.60               |
|                                       | <b>9/30/2015</b>  | MEETING - SEPTEMBER 2, 22 & 29, 2015  | 37.95               |
|                                       | <b>10/31/2015</b> | MEETING - OCTOBER 7, 14 & 20, 2015  | 41.40               |
|                                       | <b>11/30/2015</b> | MEETING - NOVEMBER 4, 18, & 30, 2015  | 37.95               |
|                                       | <b>12/31/2015</b> | MEETING - DECEMBER 8, 14, & 15, 2015  | 27.60               |
|                                       | <b>1/31/2016</b>  | MEETING - JANUARY 6 & 19, 2016  | 25.92               |
|                                       | <b>2/29/2016</b>  | MEETING - FEBRUARY 2, 3, & 12, 2016   | 35.64               |
|                                       | <b>3/31/2016</b>  | MEETING - MARCH 2, 7, 15 & 23, 2016   | 48.60               |
|                                       | <b>4/30/2016</b>  | MEETING - APRIL 4, 6 & 19, 2016   | 38.88               |
|                                       | <b>5/31/2016</b>  | MEETING - MAY 4, 17 & 23, 2016  | 38.88               |
| <b>Mileage - Commuting Total</b>      |                   |   | <b>454.08</b>       |
| <b>Mileage - Business</b>             | <b>12/31/2015</b> | MEETING - DECEMBER 14, 2015   | 57.50               |
|                                       | <b>1/31/2016</b>  | MEETING - JANUARY 26, 2016  | 131.76              |
| <b>Mileage - Business Total</b>       |                   |   | <b>189.26</b>       |
| <b>Conferences and Seminars</b>       | <b>12/11/2015</b> | AMERICAN WATER WORKS ASSOCIATION POTABLE REUSE CONFERENCE                     | 325.00              |
| <b>Conferences and Seminars Total</b> |                   |   | <b>325.00</b>       |
| <b>Grand Total</b>                    |                   |   | <b>\$ 4,368.34</b>  |

**OTAY WATER DISTRICT  
SUMMARY - BOARD OF DIRECTORS EXPENSES  
FOR THE PERIOD JULY 1, 2015 THROUGH JUNE 30, 2016**

**DIRECTOR'S NAME: THOMPSON, MITCHELL**

**ATTACHMENT H**

| Account Name   | Date       | Descriptions  | SECTION H<br>Amount |
|----------------|------------|---|---------------------|
| Director's Fee | 7/17/2015  | COMMITTEE MEETING AGENDA BRIEFING   | \$ 100.00           |
|                | 7/21/2015  | FINANCE AND ADMINISTRATIVE COMMITTEE MEETING  | 100.00              |
|                | 7/27/2015  | CHULA VISTA INTERAGENCY - DISCUSS WATER ISSUES WITH CHULA VISTA AND SWEETWATER            | 100.00              |
|                | 9/2/2015   | REGULAR BOARD OF DIRECTORS MEETING  | 100.00              |
|                | 9/3/2015   | PSAR COMMITTEE MEETING INFORM PUBLIC OF WATER ISSUES                                      | 100.00              |
|                | 9/8/2015   | MEETING WITH COUNCILMAN ALVAREZ - TO DISCUSS RECYCLED WATER RATES                         | 100.00              |
|                | 9/9/2015   | MEETING WITH COUNCILMAN MIESEN - PUBLIC MEETING TO DISCUSS LOCAL ISSUES                   | 100.00              |
|                | 9/14/2015  | CHULA VISTA REDEVELOPMENT COMMITTEE   | 100.00              |
|                | 9/15/2015  | SAN DIEGO CITY COUNCIL MEETING  | 100.00              |
|                | 9/21/2015  | CSDA CONFERENCE   | 100.00              |
|                | 9/22/2015  | CSDA CONFERENCE   | 100.00              |
|                | 9/23/2015  | CSDA CONFERENCE   | 100.00              |
|                | 9/24/2015  | CSDA CONFERENCE   | 100.00              |
|                | 10/1/2015  | PSAR GOVERNMENT AFFAIRS COMMITTEE MEETING- PRESENT & SEEK SUPPORT ON RECYCLED WATER ISSUE | 100.00              |
|                | 10/5/2015  | MEET WITH SWEETWATER BOARD MEMBER J. PRECIADO   | 100.00              |
|                | 10/6/2015  | MEETING WITH B. MCWETHY DISCUSS SALT CREEK GOLF COURSE                                    | 100.00              |
|                | 10/7/2015  | REGULAR BOARD OF DIRECTORS MEETING  | 100.00              |
|                | 10/16/2015 | CWA LEGISLATIVE ROUNDTABLE  | 100.00              |
|                | 10/17/2015 | WATER CONSERVATION GARDEN ANNUAL GALA EVENT   | 100.00              |
|                | 10/19/2015 | DESAL PROJECT COMMITTEE MEETING   | 100.00              |
|                | 10/21/2015 | FINANCE AND ADMINISTRATIVE COMMITTEE MEETING  | 100.00              |
|                | 10/28/2015 | PRESS CONFERENCE RECYCLED WATER ISSUE   | 100.00              |
|                | 11/2/2015  | AD HOC GM REVIEW COMMITTEE MEETING  | 100.00              |
|                | 11/4/2015  | REGULAR BOARD OF DIRECTORS MEETING  | 100.00              |
|                | 11/10/2015 | INTERVIEW WITH CHANNEL 10 - RECYCLED WATER ISSUE  | 100.00              |
|                | 11/16/2015 | WATER CONSERVATION GARDEN JPA BOARD MEETING   | 100.00              |
|                | 11/17/2015 | SAN DIEGO CITY COUNCIL MEETING  | 100.00              |

**OTAY WATER DISTRICT  
SUMMARY - BOARD OF DIRECTORS EXPENSES  
FOR THE PERIOD JULY 1, 2015 THROUGH JUNE 30, 2016**

**DIRECTOR'S NAME: THOMPSON, MITCHELL**

**ATTACHMENT H**

| Account Name   | Date       | Descriptions  | SECTION H<br>Amount |
|----------------|------------|---|---------------------|
| Director's Fee | 11/18/2015 | SPECIAL BOARD OF DIRECTORS MEETING  | 100.00              |
|                | 12/4/2015  | COMMITTEE AGENDA BRIEFING MEETING   | 100.00              |
|                | 12/7/2015  | FINANCE AND ADMINISTRATIVE COMMITTEE MEETING                                    | 100.00              |
|                | 12/14/2015 | DEDICATION - CARLSBAD DESAL PLANT   | 100.00              |
|                | 12/15/2015 | SPECIAL BOARD OF DIRECTORS MEETING  | 100.00              |
|                | 12/24/2015 | ETHICS TRAINING REQUIRED BY LAW   | 100.00              |
|                | 1/6/2016   | REGULAR BOARD OF DIRECTORS MEETING  | 100.00              |
|                | 1/8/2016   | DISCUSS RECYCLED WATER ISSUES WITH CITY OF SAN DIEGO                            | 100.00              |
|                | 1/11/2016  | SALT CREEK AD HOC COMMITTEE MEETING   | 100.00              |
|                | 1/14/2016  | DISCUSS RECYCLED WATER ISSUES WITH CITY OF SAN DIEGO                            | 100.00              |
|                | 1/15/2016  | COMMITTEE AGENDA BRIEFING MEETING   | 100.00              |
|                | 1/19/2016  | COUNCIL OF WATER UTILITIES  | 100.00              |
|                | 1/20/2016  | FINANCE AND ADMINISTRATIVE COMMITTEE MEETING                                    | 100.00              |
|                | 1/25/2016  | CHULA VISTA REDEVELOPMENT OVERSIGHT COMMITTEE                                   | 100.00              |
|                | 1/30/2016  | BOARD AGENDA BRIEFING - DISCUSS BOARD MEETING WITH GM                           | 100.00              |
|                | 2/2/2016   | SWEETWATER AUTHORITY - DISCUSS CHULA VISTA INTERAGENCY TASK<br>FORCE ISSUES     | 100.00              |
|                | 2/3/2016   | REGULAR BOARD OF DIRECTORS MEETING  | 100.00              |
|                | 2/16/2016  | FINANCE AND ADMINISTRATIVE COMMITTEE MEETING                                    | 100.00              |
|                | 2/17/2016  | CROSS BORDER ENVIRONMENTAL FORUM - PRESENT OTAY WATER<br>DISTRICT DESAL PROJECT | 100.00              |
|                | 2/25/2016  | STATE OF THE COUNTY ADDRESS - REPRESENT OTAY WATER DISTRICT                     | 100.00              |
|                | 2/26/2016  | BOARD AGENDA BRIEFING - DISCUSS BOARD MEETING WITH GM                           | 100.00              |
|                | 3/2/2016   | REGULAR BOARD OF DIRECTORS MEETING  | 100.00              |
|                | 3/7/2016   | CHULA VISTA INTERAGENCY TASK FORCE  | 100.00              |
|                | 3/14/2016  | COMMITTEE AGENDA BRIEFING MEETING   | 100.00              |
|                | 3/17/2016  | FINANCE AND ADMINISTRATIVE COMMITTEE MEETING                                    | 100.00              |
|                | 3/18/2016  | WATER CONSERVATION GARDEN JPA BOARD MEETING                                     | 100.00              |
|                | 3/23/2016  | SPECIAL BOARD OF DIRECTORS MEETING  | 100.00              |
|                | 3/31/2016  | BOARD AGENDA BRIEFING   | 100.00              |
|                | 4/4/2016   | SPECIAL BOARD OF DIRECTORS MEETING  | 100.00              |

**OTAY WATER DISTRICT  
SUMMARY - BOARD OF DIRECTORS EXPENSES  
FOR THE PERIOD JULY 1, 2015 THROUGH JUNE 30, 2016**

**DIRECTOR'S NAME: THOMPSON, MITCHELL**

**ATTACHMENT H**

| Account Name                   | Date              | Descriptions  | SECTION H<br>Amount |
|--------------------------------|-------------------|---|---------------------|
| <b>Director's Fee</b>          | <b>4/6/2016</b>   | REGULAR BOARD OF DIRECTORS MEETING                            | 100.00              |
|                                | <b>4/7/2016</b>   | MEETING WITH HALLY RAZAK CITY PUBLIC UTILITIES DIRECTOR       | 100.00              |
|                                | <b>4/11/2016</b>  | CHULA VISTA REDEVELOPMENT OVERSIGHT COMMITTEE                 | 100.00              |
|                                | <b>4/12/2016</b>  | MWD BOARD OF DIRECTORS MEETING                                | 100.00              |
|                                | <b>4/15/2016</b>  | COMMITTEE AGENDA BRIEFING MEETING                             | 100.00              |
|                                | <b>4/19/2016</b>  | COUNCIL OF WATER UTILITIES                                    | 100.00              |
|                                | <b>4/20/2016</b>  | FINANCE AND ADMINISTRATIVE COMMITTEE MEETING                  | 100.00              |
|                                | <b>4/27/2016</b>  | DESAL PROJECT COMMITTEE MEETING                               | 100.00              |
|                                | <b>4/29/2016</b>  | BOARD AGENDA BRIEFING   | 100.00              |
|                                | <b>5/2/2016</b>   | AD HOC SALT CREEK GOLF COURSE DEVELOPMENT                     | 100.00              |
|                                | <b>5/3/2016</b>   | STATE OF THE CITY OF CHULA - REPRESENT OTAY WATER DISTRICT    | 100.00              |
|                                | <b>5/4/2016</b>   | REGULAR BOARD OF DIRECTORS MEETING                            | 100.00              |
|                                | <b>5/5/2016</b>   | DOCUMENT SIGNING - BOND DOCUMENTS                             | 100.00              |
|                                | <b>5/6/2016</b>   | CHICANO FEDERATION ANNUAL UNITY LUNCH                         | 100.00              |
|                                | <b>5/12/2016</b>  | COMMITTEE AGENDA BRIEFING MEETING                             | 100.00              |
|                                | <b>5/18/2016</b>  | FINANCE AND ADMINISTRATIVE COMMITTEE MEETING                  | 100.00              |
|                                | <b>5/19/2016</b>  | CSDA QUARTERLY MEETING  | 100.00              |
|                                | <b>6/1/2016</b>   | REGULAR BOARD OF DIRECTORS MEETING                            | 100.00              |
|                                | <b>6/8/2016</b>   | WATER CONSERVATION GARDEN JPA BOARD MEETING                   | 100.00              |
|                                | <b>6/9/2016</b>   | CITY OF CHULA VISTA DEVELOPMENT FORUM                         | 100.00              |
|                                | <b>6/16/2016</b>  | MEETING WITH GM & G. HALBERT CITY OF CHULA VISTA              | 100.00              |
|                                | <b>6/17/2016</b>  | COMMITTEE AGENDA BRIEFING MEETING                             | 100.00              |
|                                | <b>6/22/2016</b>  | FINANCE AND ADMINISTRATIVE COMMITTEE MEETING                  | 100.00              |
|                                | <b>6/27/2016</b>  | MEET WITH JPA MEMBERS & WATER CONSERVATION EXECUTIVE DIRECTOR | 100.00              |
|                                | <b>6/29/2016</b>  | MEETING WITH SWA - DISCUSS ISSUES FOR INTERAGENCY TASK FORCE  | 100.00              |
| <b>Director's Fee Total</b>    |                   |   | <b>8,100.00</b>     |
| <b>Mileage -<br/>Commuting</b> | <b>7/31/2015</b>  | MEETING - JULY 21 & 23, 2015                                  | 29.90               |
|                                | <b>9/2/2015</b>   | MEETING - SEPTEMBER 2, 2015                                   | 14.95               |
|                                | <b>10/31/2015</b> | MEETING - OCTOBER 6, 7, 19 & 21, 2015                         | 59.80               |
|                                | <b>11/30/2015</b> | MEETING - NOVEMBER 2, 4 & 18, 2015                            | 44.85               |
|                                | <b>12/31/2015</b> | MEETING - DECEMBER 7, 14 & 15, 2015                           | 44.85               |
|                                | <b>1/31/2016</b>  | MEETING - JANUARY 6, 11 & 20, 2016                            | 42.12               |
|                                | <b>2/28/2016</b>  | MEETING - FEBRUARY 3 & 16, 2016                               | 28.08               |

**OTAY WATER DISTRICT  
SUMMARY - BOARD OF DIRECTORS EXPENSES  
FOR THE PERIOD JULY 1, 2015 THROUGH JUNE 30, 2016**

**DIRECTOR'S NAME: THOMPSON, MITCHELL**

**ATTACHMENT H**

| Account Name                          | Date              | Descriptions  | SECTION H<br>Amount |
|---------------------------------------|-------------------|---|---------------------|
| <b>Mileage -</b>                      | <b>3/31/2016</b>  | MEETING - MARCH 2, 17 & 23, 2016                            | 42.12               |
|                                       | <b>4/30/2016</b>  | MEETING - APRIL 4, 6, 20 & 27, 2016                         | 56.16               |
|                                       | <b>5/31/2016</b>  | MEETING - MAY 2, 3, 4, 5, 6, 12, 18 & 19, 2016              | 56.16               |
|                                       | <b>6/30/2016</b>  | MEETING - JUNE 1 & 22, 2016                                 | 28.08               |
| <b>Mileage - Commuting Total</b>      |                   |   | <b>447.07</b>       |
| <b>Business meetings</b>              | <b>8/21/2015</b>  | CASA FAMILIAR ABRAZO AWARDS                                 | 250.00              |
|                                       | <b>9/11/2015</b>  | CALIFORNIA SPECIAL DISTRICT MEETING                         | 30.00               |
|                                       | <b>10/22/2015</b> | ATTENDED THE RIBBONS AND SHOVELS AWARDS BANQUET             | 50.00               |
|                                       | <b>11/6/2015</b>  | SOUTHWESTERN COLLEGE FOUNDATION LUNCHEON                    | 250.00              |
|                                       | <b>12/18/2015</b> | OTAY MESA CHAMBER OF COMMERCE                               | 22.09               |
|                                       | <b>4/19/2016</b>  | COUNCIL OF WATER UTILITIES                                  | 25.00               |
|                                       | <b>5/6/2016</b>   | REGISTRATION FOR CHULA VISTA MAYOR'S FIRST FRIDAY BREAKFAST | 16.00               |
|                                       |                   | PARKING FEE FOR CHICANO FED EVENT - WYNDAM BAYSIDE          | 10.00               |
|                                       | <b>6/3/2016</b>   | REGISTRATION FOR CHULA VISTA MAYOR'S FIRST FRIDAY BREAKFAST | 16.00               |
|                                       |                   | ALBONDIGAS LUNCHEON   | 15.00               |
| <b>Business meetings Total</b>        |                   |   | <b>684.09</b>       |
| <b>Mileage - Business</b>             | <b>7/31/2015</b>  | MEETING - JULY 17 & 27, 2015                                | 12.08               |
|                                       | <b>9/30/2015</b>  | MEETING - SEPTEMBER 3, 8, 9, 14, 15, 20-24                  | 85.68               |
|                                       | <b>10/31/2015</b> | MEETING - OCTOBER 1, 5, 6, 16, 22 & 28, 2015                | 103.50              |
|                                       | <b>11/30/2015</b> | MEETING - NOVEMBER 10, 16, & 17, 2015                       | 48.88               |
|                                       | <b>12/31/2015</b> | MEETING - DECEMBER 4 & 18, 2015                             | 10.93               |
|                                       | <b>1/31/2016</b>  | MEETING - JANUARY 8, 14, 15, 19, 25, & 30, 2016             | 92.88               |
|                                       | <b>2/28/2016</b>  | MEETING - FEBRUARY 2, 17, 25 & 26, 2016                     | 37.26               |
|                                       | <b>3/31/2016</b>  | MEETING - MARCH 7, 14, 18 & 31, 2016                        | 37.26               |
|                                       | <b>4/30/2016</b>  | MEETING - APRIL 7, 11, 12, 15, 19, 22 & 29, 2016            | 124.74              |
|                                       | <b>5/31/2016</b>  | MEETING - MAY 3, 6, 7, 12, & 19, 2016                       | 70.74               |
|                                       | <b>6/30/2016</b>  | MEETING - JUNE 1, 8, 9, 16, 17, 22, 27 & 29, 2016           | 60.48               |
| <b>Mileage - Business Total</b>       |                   |   | <b>684.43</b>       |
| <b>Conferences and Seminars</b>       | <b>9/20/2015</b>  | DINNER - MONTEREY CALIFORNIA                                | 36.00               |
|                                       | <b>9/24/2015</b>  | CALIFORNIA SPECIAL DISTRICT SEMINAR SEPTEMBER 21 - 24, 2015 | 595.00              |
|                                       |                   | LUNCH - MONTEREY CALIFORNIA                                 | 6.56                |
| <b>Conferences and Seminars Total</b> |                   |   | <b>637.56</b>       |
| <b>Travel</b>                         | <b>9/19/2015</b>  | AIRLINE TICKET TO OAKLAND CALIFORNIA                        | 71.00               |
|                                       | <b>9/22/2015</b>  | GASOLINE USED - MONTEREY CALIFORNIA                         | 25.60               |
|                                       | <b>9/24/2015</b>  | AIRLINE TICKET TO SAN JOSE CALIFORNIA                       | 182.00              |
|                                       |                   | LODGING - CITY OF MONTEREY ON SEPTEMBER 20-24, 2015         | 764.20              |
|                                       |                   | PARKING - CITY OF MONTEREY SEPTEMBER 21-24, 2015            | 17.75               |
|                                       |                   | RENTAL CAR TO DRIVE TO MONTEREY CALIFORNIA                  | 165.47              |
| <b>Travel Total</b>                   |                   |   | <b>1,226.02</b>     |
| <b>Grand Total</b>                    |                   |   | <b>\$ 11,779.17</b> |



AB000. 1B3000. 2101. 528101 400.00

EXHIBIT B

OTAY WATER DISTRICT BOARD OF DIRECTORS PER-DIEM AND MILEAGE CLAIM FORM

Pay To: Gary Croucher

Period Covered:

Employee Number: 7011

From: 7/22/15 To: 8/13/15

| ITEM | DATE | MEETING     | PURPOSE / ISSUES DISCUSSED | MILEAGE HOME to OWD OWD to HOME | MILEAGE OTHER LOCATIONS |
|------|------|-------------|----------------------------|---------------------------------|-------------------------|
| ✓ 1  | 7/22 | Committee   | Σ + O Committee            | 0                               |                         |
| ✓ 2  | 7/28 | LEGISLATIVE | meeting w/ Speaker Atkins  | 0                               |                         |
| ✓ 3  | 8/11 | Committee   | Σ + O Committee            | 0                               |                         |
| ✓ 4  | 8/13 | Board       | Request Board              | 0                               |                         |
| 5    |      |             |                            |                                 |                         |
| 6    |      |             |                            |                                 |                         |
| 7    |      |             |                            |                                 |                         |
| 8    |      |             |                            |                                 |                         |
| 9    |      |             |                            |                                 |                         |
| 10   |      |             |                            |                                 |                         |
| 11   |      |             |                            |                                 |                         |
| 12   |      |             |                            | 0.*                             |                         |
| 13   |      |             |                            | 4.*                             |                         |
| 14   |      |             |                            | 100.00=                         |                         |
| 15   |      |             |                            | 400.00*                         |                         |
| 16   |      |             |                            |                                 |                         |
| 17   |      |             |                            |                                 |                         |
| 18   |      |             |                            |                                 |                         |

*Per diem*

Total Meeting Per Diem: \$ 400  
(\$100 per meeting)

Total Mileage Claimed: 0 miles

Gary Croucher  
(Director's Signature)

GM Receipt: [Signature]

Date: 8/17/15

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$ \_\_\_\_\_

15 AUG 19 AM  
15 AUG 19 AM



AB000. 1B3000. 2101. 528101

300.00  
EXHIBIT B

OTAY WATER DISTRICT  
BOARD OF DIRECTORS  
PER-DIEM AND MILEAGE CLAIM FORM

Pay To: Gary Croucher

Period Covered:

Employee Number: 7011

From: Sept 1, 2015 To: Oct 7, 2015

| ITEM | DATE | MEETING            | PURPOSE / ISSUES DISCUSSED | MILEAGE HOME to OWD<br>OWD to HOME | MILEAGE OTHER LOCATIONS |
|------|------|--------------------|----------------------------|------------------------------------|-------------------------|
| ✓ 1  | 9/2  | Board              | Regular Board              |                                    |                         |
| ✓ 2  | 9/23 | Committee          | Finance / Admin            |                                    |                         |
| 3    | 9/26 | Community Outreach | EAST COUNTY YMCA Branding  |                                    |                         |
| ✓ 4  | 10/7 | Board              | Regular Board              |                                    |                         |
| 5    |      |                    |                            |                                    |                         |
| 6    |      |                    |                            |                                    |                         |
| 7    |      |                    |                            |                                    |                         |
| 8    |      |                    |                            |                                    |                         |
| 9    |      |                    |                            |                                    |                         |
| 10   |      |                    |                            |                                    |                         |
| 11   |      |                    |                            |                                    |                         |
| 12   |      |                    |                            |                                    |                         |
| 13   |      |                    |                            |                                    |                         |
| 14   |      |                    |                            |                                    |                         |
| 15   |      |                    |                            |                                    |                         |
| 16   |      |                    |                            |                                    |                         |
| 17   |      |                    |                            |                                    |                         |
| 18   |      |                    |                            |                                    |                         |

Total Meeting Per Diem: \$ 300.-  
(\$100 per meeting)

Total Mileage Claimed: 0 miles

Gary Croucher  
(Director's Signature)

GM Receipt: MWatto

Date: 10/21/15

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$ \_\_\_\_\_

NO  
11-2-15



AB000-1B3000-2101-528101 200.00

EXHIBIT B

OTAY WATER DISTRICT BOARD OF DIRECTORS PER-DIEM AND MILEAGE CLAIM FORM

Pay To: Gary Croucher

Period Covered:

Employee Number: 7011

From: Oct 20, 2015 To: Nov 18, 2015

| ITEM | DATE  | MEETING | PURPOSE / ISSUES DISCUSSED | MILEAGE HOME to OWD OWD to HOME | MILEAGE OTHER LOCATIONS |
|------|-------|---------|----------------------------|---------------------------------|-------------------------|
| ✓ 1  | 10/20 | Com     | SLO Committed              |                                 |                         |
| ✓ 2  | 11/18 | Special | SPECIAL Board Meeting      |                                 |                         |
| 3    |       |         |                            |                                 |                         |
| 4    |       |         |                            |                                 |                         |
| 5    |       |         |                            |                                 |                         |
| 6    |       |         |                            |                                 |                         |
| 7    |       |         |                            |                                 |                         |
| 8    |       |         |                            |                                 |                         |
| 9    |       |         |                            |                                 |                         |
| 10   |       |         |                            |                                 |                         |
| 11   |       |         |                            | 0.*                             |                         |
| 12   |       |         |                            | 2.*                             |                         |
| 13   |       |         |                            | 100.00=                         |                         |
| 14   |       |         |                            | 200.00*                         |                         |
| 15   |       |         |                            | 0.*                             |                         |
| 16   |       |         |                            |                                 |                         |
| 17   |       |         |                            |                                 |                         |
| 18   |       |         |                            |                                 |                         |

Per diem

Total Meeting Per Diem: \$ 200 (\$100 per meeting)

Total Mileage Claimed: 0 miles

Signature of Gary Croucher

(Director's Signature)

GM Receipt: [Signature]

Date: 11/19/15

Handwritten notes: 12-1-15 [Signature]

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$



OTAY WATER DISTRICT BOARD OF DIRECTORS PER-DIEM AND MILEAGE CLAIM FORM

Pay To: Gary Croucher

Period Covered:

Employee Number: 7011

From: 12/2015 To: 1/2016

| ITEM | DATE  | MEETING              | PURPOSE / ISSUES DISCUSSED       | MILEAGE HOME to OWD<br>OWD to HOME | MILEAGE OTHER LOCATIONS |
|------|-------|----------------------|----------------------------------|------------------------------------|-------------------------|
| ✓ 1  | 12/15 | BOARD                | SPECIAL Board                    |                                    |                         |
| ✓ 2  | 12/18 | LAFCD                | LAFCD SPECIAL DISTRICTS Advisory |                                    |                         |
| ✓ 3  | 1/19  | <del>Committee</del> | <del>S+O COMMITTEE</del>         |                                    |                         |
| 4    |       |                      |                                  |                                    |                         |
| 5    |       |                      |                                  |                                    |                         |
| 6    |       |                      |                                  |                                    |                         |
| 7    |       |                      |                                  |                                    |                         |
| 8    |       |                      |                                  |                                    |                         |
| 9    |       |                      |                                  |                                    |                         |
| 10   |       |                      |                                  |                                    |                         |
| 11   |       |                      |                                  | 0.0*                               |                         |
| 12   |       |                      |                                  | 3.0*                               |                         |
| 13   |       |                      |                                  | 100.00*                            |                         |
| 14   |       |                      |                                  | 500.00*                            |                         |
| 15   |       |                      |                                  |                                    |                         |
| 16   |       |                      |                                  |                                    |                         |
| 17   |       |                      |                                  |                                    |                         |
| 18   |       |                      |                                  |                                    |                         |

Total Meeting Per Diem: \$ 300  
(\$100 per meeting)

Total Mileage Claimed: \_\_\_\_\_ miles

(Director's Signature)

GM Receipt:

Date: 1/19/16

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$ \_\_\_\_\_

✓ 10  
1-22-16



OTAY WATER DISTRICT BOARD OF DIRECTORS PER-DIEM AND MILEAGE CLAIM FORM

Pay To: Gary Croucher

Period Covered:

Employee Number: 7011

From: 2-12-16 To: 3-2-16

Table with 6 columns: ITEM, DATE, MEETING, PURPOSE / ISSUES DISCUSSED, MILEAGE HOME to OWD, MILEAGE OWD to HOME, MILEAGE OTHER LOCATIONS. Contains handwritten entries for items 1 and 2.

OTAY WATER DISTRICT RECEIVED

2016 MAR -8 AM 9:22

Total Meeting Per Diem: \$ 200 - (\$100 per meeting)

Total Mileage Claimed: 0 miles

Handwritten signature of Gary Croucher

(Director's Signature)

GM Receipt: [Handwritten initials]

Date: 3/3/16

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$

Handwritten notes: w/ 3-8-14



HYD 01 1B3000. 2101. 28101 300.00

EXHIBIT B

OTAY WATER DISTRICT  
BOARD OF DIRECTORS  
PER-DIEM AND MILEAGE CLAIM FORM

Pay To: Gary Croucher

Period Covered:

Employee Number: 7011

From: 3-14-16 To: 4-6-16

| ITEM | DATE | MEETING | PURPOSE / ISSUES DISCUSSED | MILEAGE                    |                    |
|------|------|---------|----------------------------|----------------------------|--------------------|
|      |      |         |                            | HOME to OWD<br>OWD to HOME | OTHER<br>LOCATIONS |
| ✓ 1  | 3/15 |         | EMO COMMITTEE              |                            |                    |
| ✓ 2  | 3/23 |         | SPECIAL BOARD              |                            |                    |
| ✓ 3  | 4/6  |         | REGULAR BOARD ✓            |                            |                    |
| 4    |      |         |                            |                            |                    |
| 5    |      |         |                            |                            |                    |
| 6    |      |         |                            |                            |                    |
| 7    |      |         |                            |                            |                    |
| 8    |      |         |                            |                            |                    |
| 9    |      |         |                            |                            |                    |
| 10   |      |         |                            |                            |                    |
| 11   |      |         |                            |                            |                    |
| 12   |      |         |                            |                            |                    |
| 13   |      |         |                            |                            |                    |
| 14   |      |         |                            |                            |                    |
| 15   |      |         |                            |                            |                    |
| 16   |      |         |                            |                            |                    |
| 17   |      |         |                            |                            | W/D 4-15-16        |
| 18   |      |         |                            |                            | H to 4/19          |

Total Meeting Per Diem: \$ 300-  
( \$100 per meeting )

Total Mileage Claimed: \_\_\_\_\_ miles

May [Signature]  
(Director's Signature)

GM Receipt: [Signature]

Date: 4/2/16

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$ \_\_\_\_\_



HT7000 1B 3000-2101-529101 300.00

EXHIBIT B

OTAY WATER DISTRICT  
BOARD OF DIRECTORS  
PER-DIEM AND MILEAGE CLAIM FORM

Pay To: Gary Croucher

Period Covered:

Employee Number: 7011

From: 4/4/16 To: 5/4/16

| ITEM | DATE | MEETING   | PURPOSE / ISSUES DISCUSSED  | MILEAGE HOME to OWD<br>OWD to HOME | MILEAGE OTHER LOCATIONS |
|------|------|-----------|-----------------------------|------------------------------------|-------------------------|
| 1    |      |           |                             |                                    |                         |
| 2    | 4/19 | Committee | Eng - Ops Committee Meeting | ✓                                  |                         |
| 3    |      |           |                             |                                    |                         |
| 4    |      |           |                             |                                    |                         |
| 5    |      |           |                             |                                    |                         |
| 6    | 4/4  | SPECIAL   | SPECIAL Board Meeting       | ✓                                  |                         |
| 7    |      |           |                             |                                    |                         |
| 8    | 5/4  | Board     | Resignation                 | ✓                                  |                         |
| 9    |      |           |                             |                                    |                         |
| 10   |      |           |                             |                                    |                         |
| 11   |      |           |                             |                                    |                         |
| 12   |      |           |                             |                                    |                         |
| 13   |      |           |                             |                                    |                         |
| 14   |      |           |                             |                                    |                         |
| 15   |      |           |                             |                                    |                         |
| 16   |      |           |                             |                                    |                         |
| 17   |      |           |                             |                                    |                         |
| 18   |      |           |                             |                                    |                         |

0 \* \*  
3 \* X  
100 \* 00 =  
200 \* 00 \*

for  
shares

4/12  
5-17-16  
\$517

Total Meeting Per Diem: \$ 300.-  
(\$100 per meeting)

Total Mileage Claimed: 0 miles

Gary Croucher  
(Director's Signature)

GM Receipt: [Signature]

Date: 5/9/16

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$ \_\_\_\_\_



H19 000 110 000 2101 520101

EXHIBIT B

OTAY WATER DISTRICT  
BOARD OF DIRECTORS  
PER-DIEM AND MILEAGE CLAIM FORM

Pay To: Gary Croucher

Period Covered:

Employee Number: 7011

From: 5/17/16 To: 6/1/16

| ITEM | DATE | MEETING   | PURPOSE / ISSUES DISCUSSED | MILEAGE HOME to OWD<br>OWD to HOME | MILEAGE OTHER LOCATIONS |
|------|------|-----------|----------------------------|------------------------------------|-------------------------|
| ✓ 1  | 5/17 | Committee | Σ+O Committee ✓            |                                    |                         |
| ✓ 2  | 5/23 | SPECIAL   | Board workshop ✓           |                                    |                         |
| ✓ 3  | 6/1  | Board     | Board Meeting              |                                    |                         |
| 4    |      |           |                            |                                    |                         |
| 5    |      |           |                            |                                    |                         |
| 6    |      |           |                            |                                    |                         |
| 7    |      |           |                            |                                    |                         |
| 8    |      |           |                            |                                    |                         |
| 9    |      |           |                            |                                    |                         |
| 10   |      |           |                            |                                    |                         |
| 11   |      |           |                            |                                    |                         |
| 12   |      |           |                            |                                    |                         |
| 13   |      |           |                            |                                    |                         |
| 14   |      |           |                            |                                    |                         |
| 15   |      |           |                            |                                    |                         |
| 16   |      |           |                            |                                    |                         |
| 17   |      |           |                            |                                    |                         |
| 18   |      |           |                            |                                    |                         |

*Per items*

0 \*  
3 \*  
100 \*  
300 \*  
0 \*

Total Meeting Per Diem: \$ 300  
(\$100 per meeting)

Total Mileage Claimed: 0 miles

*Gary Croucher*  
(Director's Signature)

*AD  
6-13-16  
Croucher*

GM Receipt: *[Signature]*

Date: 6/2/16

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$ \_\_\_\_\_



AB000-185000-2101-528101 \$200.00  
 AB000-185000-2101-521102 \$ 11.50

EXHIBIT B

OTAY WATER DISTRICT  
 BOARD OF DIRECTORS  
 PER-DIEM AND MILEAGE CLAIM FORM

Pay To: Jose A. Lopez

Period Covered:

Employee Number: 7010

From: 07/01/15 To: 07/31/15

| ITEM | DATE  | MEETING | PURPOSE / ISSUES DISCUSSED                  | MILEAGE HOME to OWD<br>OWD to HOME | MILEAGE OTHER LOCATIONS |
|------|-------|---------|---|------------------------------------|-------------------------|
| ✓ 1. | 07/17 | OWD     | Committee Agenda Briefing                   |                                    |                         |
| ✓ 2. | 07/21 | OWD     | Finance & Admin Committee Meeting           | 20                                 |                         |
| 3.   | 07/25 | OWD     | Qtay District Employee's Picnic (No Charge) |                                    |                         |
| 4.   |       |         |   |                                    |                         |
| 5.   |       |         |   |                                    |                         |
| 6.   |       |         |   |                                    |                         |
| 7.   |       |         |   |                                    |                         |
| 8.   |       |         |   |                                    |                         |
| 9.   |       |         |   |                                    |                         |
| 10.  |       |         | mileage                                     | 20 * x<br>0.575 = 11.50 * +        |                         |
| 11.  |       |         |   |                                    |                         |
| 12.  |       |         |   |                                    |                         |
| 13.  |       |         | per diem                                    | 2 * x<br>100 * = 200 * 00 * +      |                         |
| 14.  |       |         |   |                                    |                         |
| 15.  |       |         |   |                                    |                         |
| 16.  |       |         |   |                                    |                         |
| 17.  |       |         |   |                                    |                         |
| 18.  |       |         |   |                                    |                         |

Total Meeting Per Diem: \$200  
 (\$100 per meeting)

Total Mileage Claimed: 20 miles

(Director's Signature)

GM Receipt:

Date: 9/17/2015

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$ \_\_\_\_\_

*mm*  
 10-5-15



A3000. 34000. 2101. 5281.01 500.00  
 A3000. 134000. 2101. 5211-2 11.50

**EXHIBIT B**

**OTAY WATER DISTRICT  
 BOARD OF DIRECTORS  
 PER-DIEM AND MILEAGE CLAIM FORM**

Pay To: Jose A. Lopez

Period Covered:

Employee Number: 7010

From: 08/01/15 To: 08/30/15

| ITEM | DATE  | MEETING | PURPOSE / ISSUES DISCUSSED                     | MILEAGE HOME to OWD OWD to HOME | MILEAGE OTHER LOCATIONS |
|------|-------|---------|--|---------------------------------|-------------------------|
| ✓ 1. | 08/7  | OWD     | Board Agenda Briefing                          |                                 | 5                       |
| ✓ 2. | 08/13 | OWD     | Regular Board Meeting                          | 20                              |                         |
| 3.   | 08/21 | OWD     | Casa Familiar Abrazo's Awards (No Charge)      |                                 |                         |
| ✓ 4. | 08/25 | OWD     | CV Councilman Miesen - Recycle Water Rates     |                                 | 10                      |
| 5.   | 08/25 | OWD     | CV Councilman McCann - Rec. Water (No Ccharge) |                                 |                         |
| ✓ 6. | 08/26 | OWD     | SD Councilmember Emerald - Recycle Water Rates |                                 | 20                      |
| ✓ 7. | 08/28 | OWD     | Board Agenda Briefing                          |                                 | 5                       |
| 8.   |       |         |  |                                 |                         |
| 9.   |       |         |  |                                 |                         |
| 10.  |       |         |  |                                 |                         |
| 11.  |       |         |  | 0 * 5 * X = 100.00 = 500.00 *   |                         |
| 12.  |       |         |  | 0 * 20 * X = 0.5750 = 11.50 *   |                         |
| 13.  |       |         |  |                                 |                         |
| 14.  |       |         |  |                                 |                         |
| 15.  |       |         |  |                                 |                         |
| 16.  |       |         |  |                                 |                         |
| 17.  |       |         |  |                                 |                         |
| 18.  |       |         |  |                                 |                         |

0 \* 5 \* X = 100.00 = 500.00 \*  
 0 \* 20 \* X = 0.5750 = 11.50 \*  
*Per Diem*  
*Mileage*

Total Meeting Per Diem: \$500  
 (\$100 per meeting)

Total Mileage Claimed: 60 miles

(Director's Signature)

GM Receipt: *[Signature]*

Date: 10/27/15

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$ \_\_\_\_\_

w/AD  
 11-3-15  
 [Signature]



AB000 134000 2101-52810

500.00  
EXHIBIT B

OTAY WATER DISTRICT  
BOARD OF DIRECTORS  
PER-DIEM AND MILEAGE CLAIM FORM

Pay To: Jose A. Lopez

AB000 134000 2101-521102

Period Covered:

11-50

Employee Number: 7010

From: 09/01/15 To: 09/31/15

| ITEM | DATE  | MEETING | PURPOSE / ISSUES DISCUSSED                    | MILEAGE HOME to OWD<br>OWD to HOME | MILEAGE OTHER LOCATIONS |
|------|-------|---------|---|------------------------------------|-------------------------|
| ✓ 1. | 09/02 | OWD     | Regular Board Meeting                         | 20                                 |                         |
| ✓ 2. | 09/08 | OWD     | SD City Councilwoman Zapf                     |                                    | 22                      |
| 3.   | 09/08 | OWD     | SD City Councilman Sherman (No Charge)        |                                    |                         |
| 4.   | 09/08 | OWD     | SD City Councilmember Cate (No Charge)        |                                    |                         |
| 5.   | 09/08 | OWD     | SD City Councilmember Todd Gloria (No Charge) |                                    |                         |
| ✓ 6. | 09/15 | OWD     | San Diego City Council meeting                |                                    | 22                      |
| 7.   | 09/15 | OWD     | Committee Agenda Briefing (No Charge)         |                                    |                         |
| ✓ 8. | 09/29 | OWD     | Sweetwater Authority Desal ground breaking    |                                    | 10                      |
| ✓ 9. | 09/28 | OWD     | Board Agenda Briefing                         |                                    | 6                       |
| 10.  |       |         |   |                                    |                         |
| 11.  |       |         |   |                                    |                         |
| 12.  |       |         |   | 0*                                 |                         |
| 13.  |       |         |   | 5*x                                |                         |
| 14.  |       |         |   | 100.00=                            |                         |
| 15.  |       |         |   | 500.00*                            |                         |
| 16.  |       |         |   | 0*                                 |                         |
| 17.  |       |         |   | 20*x                               |                         |
| 18.  |       |         |   | 0.5750=                            |                         |
|      |       |         |   | 11.50*                             |                         |

Per Diem  
Mileage

Total Meeting Per Diem: \$500  
(\$100 per meeting)

Total Mileage Claimed: 86 miles

(Director's Signature)

GM Receipt:

Date: 10/22/15

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$ \_\_\_\_\_

✓  
11-3-15  
p u / s



AB000 1B4000 2101 528101 80000  
 AB000 1B4000 2101 521.12 46.00  
**EXHIBIT B**

**OTAY WATER DISTRICT  
 BOARD OF DIRECTORS  
 PER-DIEM AND MILEAGE CLAIM FORM**

Pay To: Jose A. Lopez

Period Covered:

Employee Number: 7010

From: 10/01/15 To: 10/31/15

| ITEM  | DATE  | MEETING | PURPOSE / ISSUES DISCUSSED                         | MILEAGE HOME to OWD OWD to HOME | MILEAGE OTHER LOCATIONS |
|-------|-------|---------|--|---------------------------------|-------------------------|
| ✓ 1.  | 10/06 | OWD     | AdHoc Salt Creek Golf Course Development           |                                 | 24                      |
| 2.    | 10/06 | OWD     | AdHoc Salt Creek Golf Course (No Charge)           | 20                              |                         |
| ✓ 3.  | 10/07 | OWD     | Otay Water Regular Board Meeting                   | 20                              |                         |
| ✓ 4.  | 10/13 | OWD     | Southwestern College Board Water Rate Resolution   |                                 | 6                       |
| 5.    | 10/14 | OWD     | District Employee Recognition Luncheon (No Charge) |                                 |                         |
| ✓ 6.  | 10/16 | OWD     | Committee Agenda Briefing General Manager          |                                 | 6                       |
| ✓ 7.  | 10/19 | OWD     | Desalinization Project Committee Mtg)              | 20                              |                         |
| ✓ 8.  | 10/21 | OWD     | Finance and Admin Committee Meeting                | 20                              |                         |
| 9.    | 1022  | OWD     | CV Ribbons and Shovels Event (No Charge)           |                                 |                         |
| ✓ 10. | 10/27 | OWD     | Board Agenda Briefing GM/Counsel                   |                                 | 6                       |
| ✓ 11. | 10/28 | OWD     | Univision TV interview with Mayor Mary Salas       |                                 | 24                      |
| 12.   | 10/28 | OWD     | Press Conference hosted Otay Water (No Charge)     |                                 | 8                       |
| 13.   |       |         |  |                                 |                         |
| 14.   |       |         |  |                                 |                         |
| 15.   |       |         |  |                                 |                         |
| 16.   |       |         |  |                                 |                         |
| 17.   |       |         |  |                                 |                         |
| 18.   |       |         |  |                                 |                         |

0.\* 0.\* 0.00+ 0.00+ 0.00+ 0.00+ 0.00\* 0.00\* 0.5750= 46.00\*

*Per Chem* *Mileage*

Total (\$100)

Total Mileage Claimed: 152 miles

*Jose A. Lopez*  
 (Director's Signature)

GM Receipt: *MAT*

Date: 11/12/15

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$ \_\_\_\_\_

*WHD 12-1-15*  
*Bill*



113 000 - 113 4000 - 2101. 221101  
113 000 - 113 4000 - 2101. 5211 2

EXHIBIT B  
23-00

OTAY WATER DISTRICT  
BOARD OF DIRECTORS  
PER-DIEM AND MILEAGE CLAIM FORM

Pay To: Jose A. Lopez

Period Covered:

Employee Number: 7010

From: 11/01/15 To: 11/30/15

| ITEM | DATE           | MEETING | PURPOSE / ISSUES DISCUSSED                        | MILEAGE HOME to OWD OWD to HOME | MILEAGE OTHER LOCATIONS |
|------|----------------|---------|---|---------------------------------|-------------------------|
| ✓ 1. | 11/4           | OWD     | Otay Water Regular Board Meeting                  | 20                              |                         |
| ✓ 2. | 11/17<br>10/06 | OWD     | San Diego City Council - Water Rates presentation |                                 | 24                      |
| ✓ 3. | 11/18<br>10/07 | OWD     | Otay Water Special Board Meeting                  | 20                              |                         |
| 4.   |                |         |   |                                 |                         |
| 5.   |                |         |   |                                 |                         |
| 6.   |                |         |   |                                 |                         |
| 7.   |                |         |   |                                 |                         |
| 8.   |                |         |   |                                 |                         |
| 9.   |                |         |   |                                 |                         |
| 10.  |                |         |   |                                 |                         |
| 11.  |                |         |   |                                 |                         |
| 12.  |                |         |   |                                 |                         |
| 13.  |                |         |   |                                 |                         |
| 14.  |                |         |   |                                 |                         |
| 15.  |                |         |   |                                 |                         |
| 16.  |                |         |   |                                 |                         |
| 17.  |                |         |   |                                 |                         |
| 18.  |                |         |   |                                 |                         |

Mileage should be 184000

0 \* 3 \* x  
100 \* 00 = 300 \* 00 \*  
0 \* \* 20 \* 00 + 20 \* 00 + 40 \* 00 \* 40 \* 00 x 0 \* 5 \* 00 =

Per Diem

Mileage 002

Total Meeting Per Diem: \$300  
(\$100 per meeting)

Total Mileage Claimed: 64 miles

Jose A. Lopez  
(Director's Signature)

GM Receipt: [Signature]

Date: 12/4/15

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$ \_\_\_\_\_

12-23-15  
to 12/20



H13000- 1134000- 2101- 528101  
H13000- 1134000- 2101- 521102

EXHIBIT B  
46.00

OTAY WATER DISTRICT  
BOARD OF DIRECTORS  
PER-DIEM AND MILEAGE CLAIM FORM

Pay To: Jose A. Lopez

Period Covered:

Employee Number: 7010

From: 12/01/15 To: 12/31/15

| ITEM | DATE  | MEETING | PURPOSE / ISSUES DISCUSSED               | MILEAGE HOME to OWD<br>OWD to HOME | MILEAGE OTHER LOCATIONS |
|------|-------|---------|--|------------------------------------|-------------------------|
| ✓ 1. | 12/4  | OWD     | Committee Agenda Briefing                |                                    | 6                       |
| ✓ 2. | 12/7  | OWD     | Finance/Admin Committee Meeting          | 20                                 |                         |
| ✓ 3. | 12/8  | OWD     | Eng/Ops Committee Meeting                | 20                                 |                         |
| ✓ 4. | 12/14 | OWD     | Bud Lewis Desal Plant Opening Ceremonies | 20                                 |                         |
| ✓ 5. | 12/15 | OWD     | Board Agenda Briefing (No Charge)        |                                    |                         |
| ✓ 6. | 12/15 | OWD     | Special Board Meeting                    | 20                                 |                         |
| 7.   |       |         |  |                                    |                         |
| 8.   |       |         |  |                                    |                         |
| 9.   |       |         |  |                                    |                         |
| 10.  |       |         |  | 0 *                                |                         |
| 11.  |       |         |  | 5 *                                |                         |
| 12.  |       |         |  | 100.00 =                           |                         |
| 13.  |       |         |  | 500.00 *                           |                         |
| 14.  |       |         |  | 0 *                                |                         |
| 15.  |       |         |  | 20.00 +                            |                         |
| 16.  |       |         |  | 20.00 +                            |                         |
| 17.  |       |         |  | 20.00 +                            |                         |
| 18.  |       |         |  | 20.00 +                            |                         |
|      |       |         |  | 80.00 *                            |                         |
|      |       |         |  | 80.00 x                            |                         |
|      |       |         |  | 0.5750 =                           |                         |
|      |       |         |  | 46.00 *                            |                         |

*Open*

*Mileage*  
004

Total Meeting Per Diem: \$500  
(\$100 per meeting)

Total Mileage Claimed: 86 miles

*Jose A. Lopez*  
(Director's Signature)

GM Receipt: *[Signature]*

Date: 12/21/15

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$ \_\_\_\_\_

*2 AD*  
*12-23-15*  
*814/28*



MIS000-1134000-2101-521102  
AM000-1B4000-2101-521102

3240  
EXHIBIT B

OTAY WATER DISTRICT  
BOARD OF DIRECTORS  
PER-DIEM AND MILEAGE CLAIM FORM

Pay To: Jose A. Lopez

Period Covered:

Employee Number: 7010

From: 01/01/16 To: 01/31/16

| ITEM | DATE  | MEETING | PURPOSE / ISSUES DISCUSSED              | MILEAGE HOME to OWD OWD to HOME | MILEAGE OTHER LOCATIONS |
|------|-------|---------|---|---------------------------------|-------------------------|
| ✓ 1. | 01/06 | OWD ✓   | Regular Board Meeting                   | 20                              |                         |
| ✓ 2. | 01/07 | JPA     | Metro Wastewater Commission (No Charge) |                                 |                         |
| ✓ 3. | 01/11 | OWD ✓   | Salt Creek Ad Hoc Committee             | 20                              |                         |
| ✓ 4. | 01/19 | OWD ✓   | COWU Council on Water Utilities         |                                 |                         |
| ✓ 5. | 01/20 | OWD ✓   | Finance/Admin Committee                 | 20                              |                         |
| ✓ 6. | 01/30 | OWD ✓   | Board Agenda Briefing                   |                                 |                         |
| 7.   |       |         |   |                                 |                         |
| 8.   |       |         |   |                                 |                         |
| 9.   |       |         |   |                                 |                         |
| 10.  |       |         |   |                                 |                         |
| 11.  |       |         |   |                                 |                         |
| 12.  |       |         |   |                                 |                         |
| 13.  |       |         |   |                                 |                         |
| 14.  |       |         |   |                                 |                         |
| 15.  |       |         |   |                                 |                         |
| 16.  |       |         |   |                                 |                         |
| 17.  |       |         |   |                                 |                         |
| 18.  |       |         |   |                                 |                         |

0.\* 5.\* 100.00= 500.00\* 0.\* 20.00+ 20.00+ 20.00+ 60.00\* 60.00x 0.54= 22.40 ✓

Per Diem  
Mileage

Total Meeting Per Diem: \$500  
(\$100 per meeting)

Total Mileage Claimed: 60 miles

(Director's Signature)

GM Receipt:

Date: 2/5/16

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$ \_\_\_\_\_

✓  
2-8-14



AB000 134000 2101 521102

21-60 EXHIBIT B

OTAY WATER DISTRICT BOARD OF DIRECTORS PER-DIEM AND MILEAGE CLAIM FORM

Pay To: Jose A. Lopez

Period Covered:

Employee Number: 7010

From: 02/01/16 To: 02/29/16

| ITEM | DATE  | MEETING | PURPOSE / ISSUES DISCUSSED  | MILEAGE HOME to OWD OWD to HOME | MILEAGE OTHER LOCATIONS |
|------|-------|---------|---|---------------------------------|-------------------------|
| ✓ 1. | 02/03 | OWD     | Regular Board Meeting   | 20                              |                         |
| 2.   | 02/04 | JPA     | Metro Wastewater Commission (No Charge)                               |                                 | 30                      |
| ✓ 3. | 02/16 | OWD     | Finance and Admin Committee meeting                                   | 20                              |                         |
| ✓ 4. | 02/17 | CILA    | Environmental Forum<br>Mexico International Boundary/Water Commission |                                 |                         |
| 5.   |       |         |   |                                 |                         |
| 6.   |       |         |   |                                 |                         |
| 7.   |       |         |   |                                 |                         |
| 8.   |       |         |   |                                 |                         |
| 9.   |       |         |   |                                 |                         |
| 10.  |       |         |   | 0 * *                           | 3 * X                   |
| 11.  |       |         |   |                                 | 100 * 00 =              |
| 12.  |       |         |   |                                 | 500 * 00 *              |
| 13.  |       |         |   |                                 | 0 * *                   |
| 14.  |       |         |   |                                 | 0 * *                   |
| 15.  |       |         |   | 20 * 00 +                       | 20 * 00 +               |
| 16.  |       |         |   | 40 * 00 *                       | 40 * 00 X               |
| 17.  |       |         |   |                                 | 0 * 54 =                |
| 18.  |       |         |   |                                 | 21 * 00 *               |

Total Meeting Per Diem: \$300 (\$100 per meeting)

Total Mileage Claimed: 70 miles

Signature of Jose A. Lopez (Director's Signature)

GM Receipt: [Signature]

Date: 3/14/16

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$



**OTAY WATER DISTRICT  
BOARD OF DIRECTORS  
PER-DIEM AND MILEAGE CLAIM FORM**

Pay To: **Jose Lopez**

Period Covered:

Employee Number: **7010**

From: **03/01/16** To: **03/31/16**

| ITEM | DATE  | MEETING | PURPOSE / ISSUES                    | MILEAGE<br>HOME to OWD<br>OWD to HOME | MILEAGE            |
|------|-------|---------|-------------------------------------|---------------------------------------|--------------------|
|      |       |         | DISCUSSED                           |                                       | OTHER<br>LOCATIONS |
| ✓    | 03/02 | OWD     | REGULAR BOARD MEETING               | 20                                    |                    |
| ✓    | 03/17 | OWD     | FINANCC ADMIN, & COM. COMMITTEE MTG | 20                                    |                    |
| ✓    | 03/31 | OWD     | BOARD AGENDA BRIEFING (No Charge)   |                                       | 6                  |
| ✓    | 03/31 | WRC     | WATER RELIABILITY COALITION         |                                       | 39                 |
|      |       |         |                                     |                                       |                    |
|      |       |         |                                     |                                       |                    |
|      |       |         |                                     |                                       |                    |
|      |       |         |                                     |                                       |                    |
|      |       |         |                                     |                                       |                    |
|      |       |         |                                     |                                       |                    |
|      |       |         |                                     |                                       |                    |
|      |       |         |                                     |                                       |                    |
|      |       |         |                                     |                                       |                    |
|      |       |         |                                     |                                       |                    |
|      |       |         |                                     |                                       |                    |
|      |       |         |                                     |                                       |                    |
|      |       |         |                                     |                                       |                    |
|      |       |         |                                     |                                       |                    |
|      |       |         |                                     |                                       |                    |
|      |       |         |                                     |                                       |                    |
|      |       |         |                                     |                                       |                    |
|      |       |         |                                     |                                       |                    |

Total Meeting Per Diem: \$300  
(\$100 per meeting)

Total Mileage Claimed: 85 miles

*[Handwritten Signature]*  
(Director's Signature)

GM Receipt: *[Handwritten Signature]*

Date: 5/2/16

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$



113000 119000 2101 528101  
00000 134000 2101 521102

EXHIBIT B 43.20

**OTAY WATER DISTRICT**  
**BOARD OF DIRECTORS**  
**PER-DIEM AND MILEAGE CLAIM FORM**

Pay To: **Jose Lopez**

Period Covered:

Employee Number: **7010**

From: **04/01/16** To: **04/30/16**

| ITEM | DATE  | MEETING | PURPOSE / ISSUES<br>DISCUSSED                     | MILEAGE                    |                    |
|------|-------|---------|---|----------------------------|--------------------|
|      |       |         |   | HOME to OWD<br>OWD to HOME | OTHER<br>LOCATIONS |
| ✓    | 04/04 | OWD     | ACTUARIAL STUDY WORKSHOP / <i>Special Brd Mtg</i> | 20                         |                    |
| ✓    | 04/06 | OWD     | REGULAR BOARD MEETING                             | 20                         |                    |
|      | 04/07 | JPA     | SD METRO COMMISSION (NO CHARGE)                   |                            |                    |
| ✓    | 04/15 | OWD     | COMMITTEE AGENDA BRIEFING                         |                            | 6                  |
| ✓    | 04/19 | COWU    | COUNCIL ON WATER UTILITIES                        |                            |                    |
| ✓    | 04/20 | OWD     | FINANCC ADMIN, & COM. COMMITTEE MTG               | 20                         |                    |
| ✓    | 04/27 | OWD     | DESAL COMMITTEE MEETING                           | 20                         |                    |
| ✓    | 04/29 | OWD     | BOARD AGENDA BRIEFING                             |                            | 6                  |
|      |       |         |   |                            |                    |
|      |       |         |   |                            |                    |
|      |       |         |   |                            |                    |
|      |       |         |   |                            |                    |
|      |       |         |   |                            |                    |
|      |       |         |   |                            |                    |

*Per Diem*  
0.00  
0.00  
100.00  
100.00  
*Mileage*  
0.00  
20.00  
20.00  
20.00  
20.00  
80.00  
80.00  
0.54  
43.20

Total Meeting Per Diem: \$700  
(S100 per meeting)

Total Mileage Claimed: 96 miles

*Jose Lopez*  
(Director's Signature)

GM Receipt: *M. Lopez*

Date: 5/2/16

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$

INSTRUCTIONS ON REVERSE

*43.20*  
*5-17-16*







AB000-1B5000-2101-528101

100.00

OTAY WATER DISTRICT BOARD OF DIRECTORS PER-DIEM AND MILEAGE CLAIM FORM

Pay To: Mark Robak

AB000-1B5000-2101-521102

Period Covered:

2.30

Employee Number: 7014

From: 3-16-16 To: 8-31-15

3217 Fair Oaks Lane, Spring Valley, CA 91978

Table with 6 columns: ITEM, DATE, MEETING, PURPOSE / ISSUES DISCUSSED, MILEAGE HOME to OWD OWD to HOME, MILEAGE OTHER LOCATIONS. Contains 18 rows of meeting data.

Total Meeting Per Diem: \$700 (\$100 per meeting)

Total Mileage Claimed: 168 miles

Handwritten signature of Mark Robak and (Director's Signature)

GM Approval: [Handwritten signature and notes]

Date: 9/9/15

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$

Handwritten note: WD 9-21-15



**OTAY WATER DISTRICT  
BOARD OF DIRECTORS  
PER-DIEM AND MILEAGE CLAIM FORM**

AB 000 · 135000 · 2101 · 528101 1000.00  
AB 000 · 135000 · 2101 · 5211 2 6.90

*Revised*

Pay To: Mark Robak

Period Covered:

Employee Number: 7014

From: 9-1-15 To: 12-31-15

3217 Fair Oaks Lane, Spring Valley, CA 91978

| ITEM        | DATE  | MEETING   | PURPOSE / ISSUES DISCUSSED  | MILEAGE HOME to OWD OWD to HOME | MILEAGE OTHER LOCATIONS |
|-------------|-------|---|---|---------------------------------|-------------------------|
| <i>ny</i> 1 | 10-7  | Monthly Otay Board Meeting  | General District Business   | 4                               | 6                       |
| 2           | 10-14 | Otay Employee Recognition Luncheon                                | Annual event recognizing employees<br>NO CHARGE                       | 0                               | 0                       |
| <i>m</i> 3  | 10-15 | SDCWA Symposium at USD  | Discussed Drought and El Nino   | 0                               | 24                      |
| 4           | 10-15 | SCEDC Elected Officials Reception at Living Coast                 | Reception and advocacy on behalf of District – NO CHARGE              | 0                               | 0                       |
| 5           | 10-17 | Water Conservation Garden   | Enchanted Garden Gala<br>NO CHARGE                                    | 0                               | 0                       |
| 6           | 10-18 | Jamulfest   | Annual community event – NO CHARGE                                    | 0                               | 0                       |
| <i>m</i> 7  | 10-21 | Conservation Action Committee                                     | Presentation by author Charles Fishman at SDG&E Innovations Center    | 0                               | 26                      |
| <i>m</i> 8  | 10-27 | EC Chamber Government Affairs & Land Use Infrastructure Committee | Discuss endorsement for zonal rates of recycled water                 | 0                               | 10                      |
| 9           | 10-27 | Water Conservation Garden   | SDG&E Technology Reception<br>NO CHARGE                               | 0                               | 0                       |
| 10          | 11-4  | EC Chamber Land Use & Infrastructure Committee                    | Discuss endorsement for zonal rates of recycled water - NO CHARGE     | 0                               | 0                       |
| ✓ 11        | 11-4  | Monthly Otay Board Meeting  | General District Business   | 4                               | 6                       |
| ✓ 12        | 11-16 | Water Conservation Garden   | JPA Board Meeting   | 0                               | 12                      |
| ✓ 13        | 11-17 | Water Conservation Garden   | Friends Board Meeting   | 0                               | 12                      |
| ✓ 14        | 11-19 | CSDA Quarterly Dinner   | LAFCO Presentations   | 0                               | 10                      |
| 15          | 12-8  | Meet with SDCWA Jason Foster                                      | Discuss Conservation Action Committee and ideas for reinvigorating it | 0                               | 20                      |
| ✓ 16        | 12-14 | SDCWA Carlsbad Desalination Plant Dedication                      | Ceremony and reception  | 0                               | 12                      |
| ✓ 17        | 12-15 | Monthly Otay Board Meeting  | General District Business   | 4                               | 6                       |
|             |       |   |   | 12                              | 150                     |

*Verified  
Per  
S. Carr  
1/25/16*

*144*

Total Meeting Per Diem: ~~\$1,100~~ \$1,000.-  
(\$100 per meeting)

Total Mileage Claimed: 172 miles

*Mark Robak*  
(Director's Signature)

GM Approval: *[Signature]*  
(BOARD PRES APPROVED LATE SUBMITTAL)

Date: 1/27/16

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$ \_\_\_\_\_

16 JAN 13 9:45

*✓  
1/25/16  
01/20*



AD000 18-000- 2101-521102 000000  
AB000-18-000-2101-521102 15.12

OTAY WATER DISTRICT  
BOARD OF DIRECTORS  
PER-DIEM AND MILEAGE CLAIM FORM

Pay To: Mark Robak

Period Covered:

Employee Number: 7014

From: 1-1-16 To: 5-31-16

3217 Fair Oaks Lane, Spring Valley, CA 91978

| ITEM | DATE | MEETING                        | PURPOSE / ISSUES DISCUSSED  | MILEAGE HOME to OWD<br>OWD to HOME | MILEAGE OTHER LOCATIONS |
|------|------|--------------------------------|---|------------------------------------|-------------------------|
| 1    | 2-3  | Monthly Otay Board Meeting     | General District Business   | 4                                  | 6                       |
| 2    | 3-2  | Monthly Otay Board Meeting     | General District Business   | 4                                  | 6                       |
| 3    | 3-18 | Water Conservation Garden      | JPA Board Meeting   | 0                                  | 12                      |
| 4    | 3-22 | East County Chamber            | Government Affairs & Infrastructure<br>Land Use Committee - NO CHARGE | 0                                  | 0                       |
| 5    | 3-23 | Special Otay Board Meeting     | Issuance of Otay Water District 2016<br>Water Revenue Refunding Bonds | 4                                  | 6                       |
| 6    | 3-31 | San Diego Water Supply Mixer   | Presentation of awards for projects<br>NO CHARGE                      | 0                                  | 0                       |
| 7    | 4-1  | South County Albondigas        | SDCTA Executive Director speaking<br>NO CHARGE                        | 0                                  | 0                       |
| 8    | 4-4  | Special Otay Board Meeting     | Workshop On Other Post Employee<br>Benefits                           | 4 ✓                                | 6 ✓                     |
| 9    | 4-6  | Monthly Otay Board Meeting     | General District Business   | 4 ✓                                | 6 ✓                     |
| 10   | 4-7  | Metro JPA Meeting              | Spoke about Marketing<br>& Pure Water project                         | 0                                  | 24 ✓                    |
| 11   | 5-4  | Monthly Otay Board Meeting     | General District Business   | 4 ✓                                | 6 ✓                     |
| 12   | 5-12 | CSDA Scholarship Presentations | Helix Water District - NO CHARGE                                      | 0                                  | 0                       |
| 13   | 5-23 | Special Otay Board Meeting     | General District Business   | 4 ✓                                | 6 ✓                     |
|      |      |                                |   | 28                                 | 78                      |

Total Meeting Per Diem: ~~\$900~~ 800. - *MR*  
(\$100 per meeting)

Total Mileage Claimed: 106 miles

*Mark Robak*  
(Director's Signature)

Receipt  
GM Approval: *[Signature]*

Date: 6/2/16

(BOARD PRESIDENT AUTHORIZED LATE PAYMENT CLAIMS)  
FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$ \_\_\_\_\_

*10  
6-1374  
6/1/16*







AC 200-1B1000-2101-528101  
AB000-1B1000-2101-52.02

300.00  
37.95

**OTAY WATER DISTRICT**  
**BOARD OF DIRECTORS**  
**PER-DIEM AND MILEAGE CLAIM FORM**

Pay To: Tim Smith

Period Covered:

Employee Number: 1845

From: 9/1/15 To: 9/30/15

| ITEM | DATE    | MEETING                          | PURPOSE / ISSUES                                |                           |     | MILEAGE                    |                    |                           |
|------|---------|----------------------------------|---|---------------------------|-----|----------------------------|--------------------|---------------------------|
|      |         |                                  | DISCUSSED                                       |                           |     | HOME to OWD<br>OWD to HOME | OTHER<br>LOCATIONS |                           |
| ✓ 1  | 9/2/15  | Board Mtg                        | Regular Board Mtg                               |                           |     | 24                         |                    |                           |
| ✓ 2  | 9/22/15 | Eng, Apr, WR Mtg                 | Regular Committee Mtg                           |                           |     | 24                         |                    |                           |
| ✓ 3  | 9/29/15 | Reynolds Desilt<br>Grand opening | Project Grand opening<br>at Sweetwater Facility |                           |     | 18                         |                    |                           |
|      |         |                                  |   |                           |     |                            |                    |                           |
|      |         |                                  | 0.*   | 3.X<br>100.00=<br>300.00* | 0.* | 24.+<br>24.+<br>18.+       | 66.*               | 66.X<br>0.5750=<br>37.95* |
|      |         |                                  |   |                           |     |                            |                    |                           |
|      |         |                                  |   |                           |     |                            |                    |                           |
|      |         |                                  |   |                           |     |                            |                    |                           |
|      |         |                                  |   |                           |     |                            |                    |                           |
|      |         |                                  |   |                           |     |                            |                    |                           |
|      |         |                                  |   |                           |     |                            |                    |                           |
|      |         |                                  |   |                           |     |                            |                    |                           |

Total Meeting Per Diem: \$ 300  
(\$100 per meeting)

Total Mileage Claimed: 66 miles

Tim Smith  
(Director's Signature)

GM Receipt: [Signature]

Date: 10/16/15

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$ \_\_\_\_\_

INSTRUCTIONS ON REVERSE

✓  
10/20-15





















AB000-1B2000-2101-528101  
AB000-1B2000-2101-521102

300.00  
29.90

**OTAY WATER DISTRICT  
BOARD OF DIRECTORS  
PER-DIEM AND MILEAGE CLAIM FORM**

Pay To: Mitchell Thompson

Period Covered: \_\_\_\_\_

Employee Number: 1807

From: 7/1/2015 To: 7/31/2015

| ITEM | DATE    | MEETING                  | PURPOSE / ISSUES<br>DISCUSSED   | MILEAGE                    |                    |
|------|---------|--------------------------|---------------------------------|----------------------------|--------------------|
|      |         |                          |                                 | HOME to OWD<br>OWD to HOME | OTHER<br>LOCATIONS |
| ✓ 1  | 7/17/15 | Pre-agenda Mtg*          | Review Agenda                   |                            | 13 ✓               |
| ✓ 2  | 7/21/15 | FA&C Comm Mtg*           | Represent OWD                   | 26 ✓                       |                    |
| 3    | 7/23/15 | Meet w SCEDC & PSAR      | Discuss Sept 3 forum on drought | 26 ✓                       |                    |
| ✓ 4  | 7/27/15 | Inter agency Task Force* | Agenda.                         |                            | 8 ✓                |
| 5    |         |                          |                                 |                            |                    |
| 6    |         |                          |                                 |                            |                    |
| 7    |         |                          |                                 |                            |                    |
| 8    |         |                          |                                 |                            |                    |

0.\* 3.\* 100.= 300.00\* 0.\* 26.00+ 26.00+ 52.00\* 52.00x 0.5750= 29.90\*

Per 5000  
Mileage

Total 3 \*  
(\$100 per meeting)

21

Total Mileage Claimed: 52 miles

(Director's Signature)

GM Receipt: [Signature]

Date: 7/27/2015

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$ \_\_\_\_\_

INSTRUCTIONS ON REVERSE

15 JUL 30 7:52

WD  
8-7-15



AB000. 1B2000. 2101. 528101 11000.00  
AB000 1B2000. 2101. 5211 2 14.95

**OTAY WATER DISTRICT**  
**BOARD OF DIRECTORS**  
**PER-DIEM AND MILEAGE CLAIM FORM**

Pay To: Mitchell Thompson

Period Covered:

Employee Number: 1807

From: 9/1/2015 To: 9/30/2015

| ITEM | DATE                | MEETING   | PURPOSE / ISSUES<br>DISCUSSED       | MILEAGE<br>HOME to OWD<br>OWD to HOME | MILEAGE<br>OTHER<br>LOCATIONS |
|------|---------------------|---|-------------------------------------|---------------------------------------|-------------------------------|
| ✓ 1  | 9/2/15              | OWD Board Mtg*                                    | Agenda                              | 26                                    |                               |
| ✓ 2  | 9/3/15              | PSAR Comm Mtg re water*                           | Inform public of local water issues |                                       | 4                             |
| ✓ 3  | 9/8/15              | Mtg w/ Coucilman David Alvarez, City of SD*       | Discuss Recvled water issues        |                                       | 27                            |
| ✓ 4  | 9/9/15              | CV Rep S Miessen, public meeting on local issues* | Represent OWD                       |                                       | 10                            |
| ✓ 5  | 9/14/15             | CV Redev Oversight Comm*                          | Agenda                              |                                       | 9                             |
| ✓ 6  | 9/20/15-<br>9/24/15 | CSDA Conference (4 days)*                         | Agenda                              |                                       | 62                            |
| ✓ 7  | 9/15/15             | SD City Council Meeting*                          | Recvled water rates                 |                                       | 27                            |
| 8    | 9/28/15             | CV Oversight Comm                                 | Sign Original resolution            |                                       | 10                            |
|      |                     |   |                                     |                                       |                               |
|      |                     |   |                                     |                                       |                               |
|      |                     |   |                                     |                                       |                               |
|      |                     |   |                                     |                                       |                               |

0.\*  
10.\*  
100.\*  
1,000.\*  
0.\*  
26.\*  
0.5750=  
14.95\*

Total \$1,000 \*  
(\$100 per meeting)

Total Mileage Claimed: 26 miles

149

*Mitchell Thompson*

(Director's Signature)

GM Receipt: *[Signature]*

Date: 10/2/2015

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$ \_\_\_\_\_

INSTRUCTIONS ON REVERSE

15 OCT 20 AM 10:23

*✓ 10-20-15*



AB000. 1B2000. 2101. 528101 90000  
AB000. 1B2000. 2101. 521102 59.80

**OTAY WATER DISTRICT**  
**BOARD OF DIRECTORS**  
**PER-DIEM AND MILEAGE CLAIM FORM**

Pay To: Mitchell Thompson

Period Covered:

Employee Number: 1807

From: 10/1/2015 To: 10/31/2015

| ITEM | DATE     | MEETING  | PURPOSE / ISSUES<br>DISCUSSED                   | MILEAGE<br>HOME to OWD<br>OWD to HOME | MILEAGE<br>OTHER<br>LOCATIONS |
|------|----------|--|---|---------------------------------------|-------------------------------|
| ✓ 1  | 10/1/15  | PSAR Govt Affairs Comm*                              | Present & Seek support on recycled water issue. |                                       | 3                             |
| ✓ 2  | 10/5/15  | Meet with Sweetwater Bd Member, J. Preciado*         | Recycled Water Issue                            |                                       | 8                             |
| ✓ 3  | 10/6/15  | Meeting w B. McWethy*<br>Ad Hoc Salt Creek Dev Comm* | Discuss Salt Creek Golf Course                  | 26                                    | 32                            |
| 4    | 10/6/15  |  | Discuss meeting earlier in day                  |                                       | 16                            |
| ✓ 5  | 10/7/15  | OWD Board Meeting*                                   | Agenda  | 26                                    |                               |
| 6    | 10/2/15  | SCEDC Econ Summit                                    | Public meeting                                  |                                       | 25                            |
| ✓ 7  | 10/16/15 | CWA Legislative Roundtable*                          | Agenda  |                                       | 35                            |
| ✓ 8  | 10/17/15 | Water Conservation Garden Annual Gala Event*         | Fund raiser for Water Conserv Garden            |                                       | 34                            |
| ✓ 9  | 10/19/15 | Desalination Subcommittee*                           | Agenda  | 26                                    |                               |
| ✓ 10 | 10/21/15 | FA&C Committee*                                      | Agenda  | 26                                    |                               |
| 11   | 10/22/15 | City of CV Ribbons & Shovels Award Event             | Represent District                              |                                       | 18                            |
| ✓ 12 | 10/28/15 | Press Conference - Recycled Water Issue*             | Address Media re issue                          |                                       | 9                             |

Total \$ 900.\*  
(\$100 per meeting)

180

Total Mileage Claimed: 104 miles

*Mitchell Thompson*

(Director's Signature)

12-1-15  
*[Signature]*

GM Receipt: *MW*

Date: 10/31/2015

FOR O

0.\*  
 9.\*  
 100.00 =  
 900.00\*  
 0.\*  
 26.00+  
 26.00+  
 26.00+  
 26.00+  
 104.00\*  
 104.00x  
 0.5750 =  
 59.80\*

*per items*

*MW*

15 NOV 2015



#15000. 11/2000. 2101. 521102  
#13000. 11/2000. 2101. 521102

44.85

**OTAY WATER DISTRICT**  
**BOARD OF DIRECTORS**  
**PER-DIEM AND MILEAGE CLAIM FORM**

Pay To: Mitchell Thompson

Period Covered:

Employee Number: 1807

From: 11/1/2015 To: 11/30/2015

| ITEM | DATE     | MEETING                       | PURPOSE / ISSUES<br>DISCUSSED | MILEAGE<br>HOME to OWD<br>OWD to HOME | MILEAGE<br>OTHER<br>LOCATIONS |
|------|----------|-------------------------------|-------------------------------|---------------------------------------|-------------------------------|
| ✓ 1  | 11/2/15  | AdHoc Subcomm GM Perf Review* | Agenda                        | 26                                    |                               |
| ✓ 2  | 11/4/15  | OWD Board Mte*                | Agenda                        | 26                                    |                               |
| ✓ 3  | 11/10/15 | Interview with Channel 10*    | Recvcled water issue          |                                       | 25                            |
| ✓ 4  | 11/16/15 | Water Conserv Garden JPA*     | Agenda                        |                                       | 35                            |
| 5    |          |                               |                               |                                       |                               |
| ✓ 6  | 11/17/15 | SD City Council Mte*          | Recvcled Water Issue          |                                       | 25                            |
| ✓ 7  | 11/18/15 | Special OWD Rd Mte*           | Agenda                        | 26                                    |                               |
|      |          |                               |                               |                                       |                               |
|      |          |                               |                               |                                       |                               |
|      |          |                               |                               |                                       |                               |
|      |          |                               |                               |                                       |                               |
|      |          |                               |                               |                                       |                               |

Per Diem  
0.\*  
6.\*  
100.00 =  
600.00\*  
0.\*  
26.00+  
26.00+  
26.00+  
78.00\*  
78.00x  
0.5750 =  
44.85\*

Mileage

Total \$600 \*  
(\$100 per meeting)

85

Total Mileage Claimed: 78 miles

(Director's Signature)

GM Receipt: [Signature]

Date: 11/18/2014

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$ \_\_\_\_\_

INSTRUCTIONS ON REVERSE

12-1-15  
[Signature]

15 NOV 3 2015



AB000 · 1B2000 · 2101 · 528101  
AB000 · 1B2000 · 2101 · 521102

500.00  
44.85

**OTAY WATER DISTRICT**  
**BOARD OF DIRECTORS**  
**PER-DIEM AND MILEAGE CLAIM FORM**

Pay To: Mitchell Thompson

Period Covered:

Employee Number: 1807

From: 12/1/2015 To: 12/31/2015

REVISED

| ITEM | DATE     | MEETING                     | PURPOSE / ISSUES<br>DISCUSSED      | MILEAGE<br>HOME to OWD<br>OWD to HOME | MILEAGE<br>OTHER<br>LOCATIONS |
|------|----------|-----------------------------|------------------------------------|---------------------------------------|-------------------------------|
| ✓ 1  | 12/4/15  | Pre-agenda Mtg*             | Agenda / Committee agenda briefing |                                       | 13                            |
| ✓ 2  | 12/7/15  | FA&C Comm Mtg*              | Agenda                             | 26                                    |                               |
| ✓ 3  | 12/14/15 | Carlsbad Desal dedication*  | CWA Event                          | 26                                    |                               |
| ✓ 4  | 12/15/15 | Special Bd Mtg*             | Agenda                             | 26                                    |                               |
| ✓ 5  | 12/18/15 | Otay Mesa Chamber Breakfast | Represent OWD                      |                                       | 6                             |
| ✓ 6  | 12/24/15 | Ethics Training*            | Required by law                    |                                       |                               |
| 7    |          |                             |                                    |                                       |                               |
|      |          |                             |                                    |                                       |                               |
|      |          |                             |                                    |                                       |                               |
|      |          |                             |                                    |                                       |                               |
|      |          |                             |                                    |                                       |                               |
|      |          |                             |                                    |                                       |                               |

0.\*  
5.\*  
100.00 =  
500.00\*  
0.\*  
26.00+  
26.00+  
26.00+  
78.00\*  
78.00x  
0.5750 =  
44.85\*

*Per Carlsbad*

*Mileage*

Total \$500 \*  
(\$100 per meeting)

19

Total Mileage Claimed: 78 miles

(Director's Signature)

GM Receipt: *[Signature]*

Date: 12/24/2015

FOR OFFICE USE: TOTAL MILEAGE REIMBURSEMENT: \$ \_\_\_\_\_

INSTRUCTIONS ON REVERSE

*10*  
*1-25-14*

18 JAN 13 9:15



AB000-1133000-2101-528101 700 00  
AB000-1133000-2101-521102 42.12

**OTAY WATER DISTRICT**  
**BOARD OF DIRECTORS**  
**PER-DIEM AND MILEAGE CLAIM FORM**

Pay To: Mitchell Thompson

Period Covered:

Employee Number: 1807

From: 1/1/2016 To: 1/31/2016

| ITEM | DATE    | MEETING                           | PURPOSE / ISSUES<br>DISCUSSED                 | MILEAGE<br>HOME to OWD<br>OWD to HOME | MILEAGE<br>OTHER<br>LOCATIONS |
|------|---------|-----------------------------------|---|---------------------------------------|-------------------------------|
| ✓ 1  | 1/6/16  | OWD Board Mtg*                    | Agenda  | 26                                    |                               |
| ✓ 2  | 1/8/16  | Otay Mesa Chamber*                | Discuss recycled water issues with City of SD |                                       | 26                            |
| ✓ 3  | 1/11/16 | Salt Creek Ad Hoc Comm*           | Agenda  | 26                                    |                               |
| ✓ 4  | 1/14/16 | Otay Property Owners Association* | Discuss recycled water issues with City of SD |                                       | 44                            |
| ✓ 5  | 1/15/16 | Meet with GM*                     | Committee Agenda Briefing                     |                                       | 12                            |
| ✓ 6  | 1/19/16 | COWU Meeting*                     | Agenda  |                                       | 68                            |
| ✓ 7  | 1/20/16 | FA&C Comm Mtg*                    | Agenda  | 26                                    |                               |
| ✓ 8  | 1/25/16 | CV Redevelopment Oversight Comm*  | Agenda  |                                       | 10                            |
| ✓ 9  | 1/30/16 | Meet with GM*                     | Board Agenda Briefing                         |                                       | 12                            |
|      |         |                                   |   |                                       |                               |
|      |         |                                   |   |                                       |                               |
|      |         |                                   |   |                                       |                               |

Total \$900 \*  
(\$100 per meeting)

172

Total Mileage Claimed: 78 miles

*Mitchell Thompson*

(Director's Signature)

GM Receipt: *MW*

Date: 1/30/2016

FOR OFFICE USE: 1

0 \*  
 5 \* X  
 100-000-  
 500-000-  
 0 \*  
 0 \*  
 25-000-  
 25-000-  
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 70-000-  
 70-000-  
 0-54-  
 123

*per items*

*Mileage*

*2/18/16*







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AB600. 1B2000. 2101. 521102 56.14

**OTAY WATER DISTRICT**  
**BOARD OF DIRECTORS**  
**PER-DIEM AND MILEAGE CLAIM FORM**

Pay To: Mitchell Thompson

Period Covered:

Employee Number: 1807

From: 4/1/2016 To: 4/30/2016

| ITEM | DATE    | MEETING  | PURPOSE / ISSUES<br>DISCUSSED | MILEAGE<br>HOME to OWD<br>OWD to HOME | MILEAGE<br>OTHER<br>LOCATIONS |
|------|---------|--|-------------------------------|---------------------------------------|-------------------------------|
| 1    | 3/31/16 | Water Reliability Coalition                              | Pure water issues             |                                       | 32                            |
| 2    | 4/7/16  | First Friday Breakfast                                   | Monthly community meeting     |                                       | 8                             |
| ✓ 3  | 4/4/16  | Special Board Mtg *                                      | Agenda                        | 26                                    |                               |
| ✓ 4  | 4/6/16  | Board Mtg*   | Agenda                        | 26                                    |                               |
| ✓ 5  | 4/7/16  | Mtg with Halla Razak, City<br>Public Utilities Director* | Introductory mtg              |                                       | 36                            |
| ✓ 6  | 4/12/16 | MWD Bd Mtg*  | Agenda                        |                                       | 60                            |
| ✓ 7  | 4/15/16 | Comm Agenda Briefing*                                    | Review Committee Agendas      |                                       | 10                            |
| ✓ 7  | 4/19/16 | COWU Mtg*  | Agenda                        |                                       | 68                            |
| ✓ 8  | 4/20/16 | FA&C Committee Mtg*                                      | Agenda                        | 26                                    |                               |
| 9    | 4/22/16 | Community leaders to Sea                                 | Program sponsored by US Navy  |                                       | 31                            |
| ✓ 10 | 4/29/16 | Bd Agenda Briefing*                                      | Review Bd Agenda              |                                       | 10                            |
| ✓ 11 | 4/27/16 | Desalination Committee<br>Meeting*                       | Agenda                        | 26                                    |                               |
| ✓ 12 | 4/11/16 | CV Redev Oversight Comm*                                 | Agenda                        |                                       | 8                             |

Total \$1,000 \*

(\$100

per

Total Mileage Claimed: 104 miles

263

*Mitchell Thompson*

(Director's Signature)

GM Receipt: *Mitchell Thompson*

Date: 4/29/2016

FOR OFFICE

*Per diem*

10.00  
100.00  
1,000.00

*Mileage*

26.00  
26.00  
26.00  
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104.00

104.00  
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*10/5/17*  
*5-17-16*



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**OTAY WATER DISTRICT**  
**BOARD OF DIRECTORS**  
**PER-DIEM AND MILEAGE CLAIM FORM**

Pay To: Mitchell Thompson

Period Covered:

Employee Number: 1807

From: 5/1/2016 To: 5/31/2016

| ITEM | DATE    | MEETING                                | PURPOSE / ISSUES<br>DISCUSSED  | MILEAGE<br>HOME to OWD<br>OWD to HOME | MILEAGE<br>OTHER<br>LOCATIONS |
|------|---------|--|--------------------------------|---------------------------------------|-------------------------------|
| ✓ 1  | 5/2/16  | Ad Hoc Salt Creek*                     | Agenda                         | 26                                    |                               |
| ✓ 2  | 5/3/16  | State of the City for Chula Vista*     | Represent OWD                  |                                       | 10                            |
| ✓ 3  | 5/4/16  | Board Mtg *                            | Agenda                         | 26                                    |                               |
| ✓ 4  | 5/5/16  | Bond Documents*                        | Document Signing               | 26                                    |                               |
| ✓ 5  | 5/6/16  | Chicano Federation Annual Unity Lunch* | Represent OWD                  |                                       | 36                            |
| 6    | 5/7/16  | International Paella Contest           | Contest Judge on behalf of OWD |                                       | 36                            |
| ✓ 7  | 5/12/16 | Committee Agenda Briefing*             | Agenda                         |                                       | 10                            |
| ✓ 8  | 5/18/16 | FA&C Committee Mtg*                    | Agenda                         | 26                                    |                               |
| ✓ 9  | 5/19/16 | CSDA Quarterly Mtg*                    | Agenda                         |                                       | 31                            |
| 10   | 5/6/16  | First Friday Breakfast                 | Community Meeting              |                                       | 8                             |
| 11   |         |  |                                |                                       |                               |
| 12   |         |  |                                |                                       |                               |

Total \$800 \*  
(\$100 per  
Total Mileage Claimed: 104 miles

131

*Mitchell Thompson*

(Director's Signature)

GM Receipt: *Mitchell Thompson*

Date: 5/31/2016

FOR OFFICE USE: 1

*6-13-16  
6/14*

*Perkins* 0.\*  
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**OTAY WATER DISTRICT  
BOARD OF DIRECTORS  
PER-DIEM AND MILEAGE CLAIM FORM**

Pay To: Mitchell Thompson

Period Covered:

Employee Number: 1807

From: 6/1/2016 To: 6/30/2016

| ITEM | DATE    | MEETING  | PURPOSE / ISSUES<br>DISCUSSED             | MILEAGE                    |                    |
|------|---------|--|---|----------------------------|--------------------|
|      |         |  |   | HOME to OWD<br>OWD to HOME | OTHER<br>LOCATIONS |
| ✓ 1  | 6/1/16  | OWD Board Mtg*                                       | Agenda                                    | 26                         |                    |
| 2    | 6/3/16  | First Friday Breakfast                               | Monthly community meeting                 |                            | 8                  |
| ✓ 3  | 6/8/16  | Water Consers JPA *                                  | Agenda                                    |                            | 32                 |
| ✓ 4  | 6/9/16  | City of Chula Vista Develop Forum*                   | Represent OWD                             |                            | 10                 |
| ✓ 5  | 6/16/16 | Mtg with GM & G. Halbert, City of CV*                | Discuss various topics                    |                            | 10                 |
| ✓ 6  | 6/17/16 | Comm ittee Agenda Briefing*                          | Review Comm ittee Agendas                 |                            | 10                 |
| ✓ 7  | 6/22/16 | FA&C Committee Mtg*                                  | Agenda                                    | 26                         |                    |
| ✓ 8  | 6/27/16 | Meet with JPA members & Water Conserv Exec Director* | Discuss future funding of Garden          |                            | 32                 |
| ✓ 9  | 6/29/16 | Meeting with SWA*                                    | Discuss issues for Interagency Task Force |                            | 10                 |
| 10   |         |  |   |                            |                    |
| 11   |         |  |   |                            |                    |
| 12   |         |  |   |                            |                    |

Total \$800 \*

(\$100 per

Total Mileage Claimed: 52 miles

112

(Director's Signature)

GM Receipt:

Date: 6/30/2016

FOR OFFICE USE: T

16 JUL 6 AM 8:59

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26.00  
26.00  
52.00  
52.00  
0.54  
28.08

✓

Handwritten note: 2-6-16

# AGENDA ITEM 10



## STAFF REPORT

|              |  |           |                 |      |     |
|--------------|--|-----------|-----------------|------|-----|
| TYPE         |  | MEETING   |                 |      |     |
| MEETING:     | Regular Board  | DATE:     | October 5, 2016 |      |     |
| SUBMITTED    | Mark Watton  | W.O./G.F. | N/A             | DIV. | N/A |
| BY:          | General Manager  | NO:       | NO.             |      |     |
| APPROVED BY: | <input checked="" type="checkbox"/> Mark Watton, General Manager |           |                 |      |     |
| SUBJECT:     | General Manager's Report   |           |                 |      |     |

### ADMINISTRATIVE SERVICES:

#### Human Resources:

- Benefits - Our benefits consultant compared rates for our life insurance plans since the District is at the end of a three-year rate guarantee with CIGNA. Our consultant was able to secure a rate pass for an additional three-year time period at a competitive rate. The District plans to continue with CIGNA for at least one year, which is within the GM's Authority. The District will compare rates for both our Life Insurance and Short/Long Term Disability benefits next year as there may be economies of scale by combining both programs with the same provider. As required, findings will be presented to the Board prior to the 2018 benefit plan year.
- Recruitments/New Hires - The District is in the selection phase for the following recruitments: Communications Assistant and Utility Worker. The Senior Procurement and Contracting Specialist started during the month of September. These positions are critical to District operations.

#### Safety & Security:

- Emergency Preparedness - Staff completed the monthly WebEOC exercise, which consisted of updating the District's Mutual Aid Resources list.
- District 14 Emergency Response Procedures - Designated department staff is currently working on finalizing the 14 District Emergency Response procedures. The 14 District Emergency Procedures are part

of the District's Emergency Response and Preparedness Plan. They provide response, mitigation and recovery instructions on how and what the District response will be when faced with these types of emergency conditions. These are prepared at the departmental level.

- Safety Meetings - Staff attended the 3<sup>rd</sup> quarter Water Utility Safety Managers Association (WUSMA) and Water Agencies Emergency Collaborative (WAEC) meetings hosted at the Santa Fe Irrigation District. Topics discussed included Department of Homeland Security's Regional Resilience program, and WebEOC and ICS training through the County of San Diego Office of Emergency Services.
- InfraGard San Diego - The District's Safety & Security Specialist, Oscar Ramirez, has been appointed as the Water Sector Chief for InfraGard San Diego (replacing Kyle Swanson). InfraGard's mission is to mitigate criminal and terrorist threats, risks, and losses for protecting the San Diego region's critical infrastructure and people.

#### **INFORMATION TECHNOLOGY AND STRATEGIC PLANNING:**

- Mobile Device Evaluation - Staff is currently evaluating Sprint Mobile Network as the District's preferred vendor for mobile device and telecommunications services. Over the past several weeks, staff has been evaluating Sprint's overall performance to include, network reliability, application responsiveness, and cost savings. Sprint issued several test devices to District staff in order to evaluate their services and provide feedback during this test period. Staff will produce a high-level summary report featuring key service findings at the end of the month.
- Email Retention Schedule - Staff is preparing for the new recently approved email retention policy to begin. The new policy will reflect a change from the current 13-month retention from data of email origination to 100 days. The policy will begin the removal of emails from District users' inbox on Saturday, October 8<sup>th</sup>. This policy will automatically purge all of staff's emails within their respective "Inbox" and "Deleted Items" folders that are 100 days or older.

#### **FINANCE:**

- Capacity Fee Study - Staff is working with HDR Engineering to complete a study of water and sewer capacity fees.
- FY 16-17 Budget Book - Staff has completed preparation of the FY 16-17 budget book and has submitted it to the GFOA and CSMFO award programs.

- Financial Reporting:
  - For the second month ending August 31, 2016, there are total revenues of \$18,617,866 and total expenses of \$16,176,342. The revenues exceeded expenses by \$2,441,524.
  - The market value shown in the Portfolio Summary and in the Investment Portfolio Details as of August 31, 2016 total \$82,001,126 with an average yield to maturity of 0.93%. The total earnings year-to-date are \$136,101.

## **ENGINEERING AND WATER SYSTEM OPERATIONS:**

### **Engineering:**

- **927 Zone, Force Main Assessment and Repair Project:** This Project consists of inspection, condition assessment, and repair of the existing Ralph W. Chapman Water Reclamation Facility (RWCWRF) 1980 era, 16,000 feet long, 14-inch diameter steel force main. Pipeline Inspection and Condition Analysis Corporation (PICA) will return to inspect the lower 12,000 feet of force main in December 2016. A Notice to Proceed was issued to Charles King, Inc. on August 18, 2016 to allow time for submittal review and materials procurement ahead of the planned work in October 2016. A fourth amendment to PICA's agreement was approved, including coordination of work with Charles King's construction contract award, delays due to cultural resources (artifacts) found at several sites, and a credit for removal and reinstallation of valves and dewatering the main. The overall project is within budget and on schedule. (R2116)
- **36-Inch Main Pumpouts and Air/Vacuum Ventilation Installations:** This project consists of inspection, repairs, and improvements to the District's La Presa 36-Inch Pipeline between San Diego County Water Authority Flow Control Facility Number 11 and the District's Regulatory site. Formal bids to relocate six (6) existing air/vacuum valves from underground vaults to above ground locations were opened August 2, 2016. Award is scheduled for the October 5, 2016 Board Meeting. The project is within budget and on schedule to be completed in February 2017. (P2267)
- **978-1 & 850-2 Reservoir Interior/Exterior Coatings & Upgrades:** This project consists of removing and replacing the interior and exterior coatings of the 978-1 0.5 MG Reservoir and the 850-2 3.1 MG Reservoir, along with providing structural upgrades, to ensure the tanks comply with both State and Federal OSHA standards as well as the American Water Works Association and the County Health Department standards. Formal bids were opened August 25, 2016. Award is scheduled for the October 5, 2016 Board Meeting. The project is within budget and on schedule to be completed in June 2017. (P2534 & P2544)

- 944-1, 944-2, & 458-2 Reservoir Interior/Exterior Coatings & Upgrades:** This project consists of removing and replacing the interior and exterior coatings of the 944-1 0.3 MG Reservoir, the 944-2 3.0 MG Reservoir, and the 458-2 1.8 MG Reservoir, along with providing structural upgrades to ensure the tanks comply with both State and Federal OSHA standards as well as the American Water Works Association and the County Health Department standards. A Notice of Completion for the project was recorded with the County of San Diego on May 5, 2016. The District has received a total of four (4) Stop Payment Notices from subcontractors on the project. The District was notified that three (3) of the Stop Payment Notices have been resolved. In accordance with applicable State law, the District withheld funds and retained contract bonding for the final Stop Payment Notice which was filed by Crosno Construction Inc. Olympus & Associates Inc., Crosno Construction Inc., and the District entered into an agreement to resolve the final Stop Payment Notice. All commitments required by the agreement have been completed by all parties including the District's receipt of a release for the remaining Stop Payment Notice. This issue is now closed. The project is within budget. (P2531, P2532, P2535)
- 711-1 & 711-2 Reservoir Interior/Exterior Coatings & Upgrades:** This project consists of removing and replacing the interior and exterior coatings of the 711-1 3.1 MG Reservoir and the 711-2 2.3 MG Reservoir, along with providing structural upgrades, to ensure the tanks comply with both State and Federal OSHA standards as well as the American Water Works Association and the County Health Department standards. The contractor, Advanced Industrial Services, Inc., has completed the work on the 711-1 Reservoir and the reservoir has been placed into service. The contractor also completed all work on the 711-2 Reservoir. The test results of the newly filled reservoir indicated that the water met all requirements of the State of California and as a result, the 711-2 Reservoir was placed into service on September 19, 2016. The remaining items on the project consist of punch list work. The project is within budget and contract acceptance is anticipated in October 2016. (P2529 & P2530)
- 980-1 Reservoir Interior/Exterior Coatings & Upgrades:** This project consists of removing and replacing the interior and exterior coatings of the 980-1, 5.0 MG, Reservoir, along with providing structural upgrades, to ensure the tank complies with both State and Federal OSHA standards as well as the American Water Works Association and the County Health Department standards. The contractor, Advanced Industrial Services, Inc., completed the work on the 980-1 Reservoir and the reservoir was placed into service in August 2016. The project is within budget and contract acceptance is anticipated in October 2016. (P2545)

- **Rancho San Diego Basin Sewer Rehabilitation – Phase 1:** This project consists of sewer system improvements at fourteen (14) locations within the Rancho San Diego Basin. The work includes replacement of approximately 3,250 linear feet of 8-inch gravity sewer main and the installation of four (4) new manholes. The contractor, Transtar Pipeline, Inc., has installed sewer along Hillsdale Road, Juliana Street, Donahue Drive, Paseo Grande, and Vista Grande Road with final paving and punch list work pending. Sewer replacement work located within Tina Street is currently under construction. The project is within budget, however, the construction is behind schedule as a result of a late start by the contractor and slow contractor progress. It is anticipated that construction will be completed in November 2016. The contractor has been notified that the project is subject to liquidated damages associated with late delivery. (S2033)
- **Hillsdale Road Potable Water and Sanitary Sewer Replacement:** On June 23, 2016, the District issued a Task Order to Psomas to design about 4,000 feet of new potable water pipeline and replacement of two segments of sanitary sewer located in Hillsdale Road between Jamacha Road and Vista Grande Road. A draft of the Preliminary Design Report was submitted to the District on August 12, 2016, with comments returned to Psomas on September 1, 2016. Design is scheduled to be completed in the Spring of 2017. Caltrans' approval of the traffic control plans on Jamacha Road will be required as well as County of San Diego permits. (P2573, S2048)
- **Water Facilities Master Plan Update:** This project will update the District's existing Water Resources Master Plan that was last updated in October 2008 and revised in May 2013. The draft Program Environmental Impact Report (PEIR) 45-day public comment period ended September 17, 2016. The final PEIR and Water Facilities Master Plan Update will be ready for Board consideration before the end of the calendar year. (P1210)
- **Pure Water Cost Allocation Update:** On September 21, 2016, the City of San Diego presented at the Metro Wastewater Technical Advisory Committee (Metro TAC) information on the first phase of the Pure Water Program to construct a pump station, pipeline, expanded wastewater treatment at the North City Water Reclamation Plant from 30 MGD to 52 MGD, 30 MGD advanced water purification facility, and conveyance pipeline to Miramar Reservoir. This was the second of several meetings to present the framework for the project cost allocation between the Metro Wastewater and the City of San Diego Water Departments. The total estimated cost allocation of the project for the Metro Wastewater portion of the project is estimated to be \$405 million over the next six years. Approximately 33.56% of this cost (\$135.7 million) was identified by the City to be the responsibility of the participating agencies

in addition to the cost for wastewater treatment O&M and other normal year capital cost. The projected agency contributions for O&M, debt service, Metro baseline CIP projects, and for this first phase of the Pure Water project, was estimated by the City of San Diego. The District portion for FY 2017 is estimated to be between \$765,000 and \$845,000, increasing each year. The peak contribution is estimated for FY 2020 to be between \$1.2 and \$1.5 million. By FY 2022, the estimate is between \$819,000 and \$1 million. The range estimates are based on various scenario's outcomes for O&M costs, financing proceeds, baseline CIP spending, Pure Water expenditures, and participating agency allocations based on sampling. The total wastewater program capital cost for the full Pure Water Program is projected to be \$1.0 billion to \$1.5 billion. Attached is the range of costs for the District and all other participating agencies.

- **Governor's Executive Order B-37-16:** Executive Order B-37-16, *Making Water Conservation a California Way of Life*, was signed by the Governor on May 9, 2016, which directs state agencies to update temporary emergency water restrictions and transition to permanent, long-term improvements in water use by developing a proposal, by January 2017, for mandatory reduction in potable urban water usage, new water use targets that build upon SBX 7-7 targets, prohibit practices that waste potable water, minimize water system leaks, and improve water system management. The state agencies shall also strengthen requirements for Urban Water Shortage Contingency Plans, improve agricultural water use efficiency and drought planning, develop methods to ensure compliance with the provisions of this Executive Order, and, if necessary, enforcement action by the State Water Resources Control Board to address non-compliant water suppliers.
- **Groundwater Basin Boundary Modification:** The City of San Diego filed an application with the California Department of Water Resources (DWR) for a scientific-based modification to the boundaries of the San Diego Formation Groundwater Aquifer. DWR will publish the final basin boundary modifications, which is expected later this year. The District will have two (2) years to establish a Groundwater Sustainability Agency (GSA) or to form a Joint Powers Authority (JPA) with other stakeholders. The District will have five (5) years from the classification date to submit a Groundwater Sustainability Plan (GSP) to DWR. A GSP may be a single plan for the entire basin developed and implemented by one GSA or it could be a single plan covering the entire basin developed and implemented by multiple GSAs. An alternative, subject to Water Code Section 10727.6, multiple GSP implemented by multiple GSAs would need to be coordinated pursuant to a single coordination agreement that covers the entire basin.

- **San Diego County Sanitation District Meetings:** Staff from the District and the County have been meeting periodically since September 11, 2013 to discuss common issues and to develop a plan to coordinate the maintenance work of both agency's wastewater collection systems that are within the same geographic area known as the Jamacha Sewer Basin. Both agencies have to have dual maintenance staff and equipment working in close proximity and both agencies have discussed the possibility of entering into an agreement for the maintenance of each other's facilities in the basin as a way to operate more efficiently and effectively. On September 8, 2016, the District requested the County to estimate the cost to have the County maintain the District's wastewater collection system to see if this was worth discussing in more detail at a future meeting, as little interest has been expressed to date. Staff will continue to meet with the County to look for ways to operate more efficiently in the Jamacha Sewer Basin.
- **Ralph W. Chapman Water Reclamation Facility (RWCWRF) Facility Master Plan:** On February 29, 2016, the District issued a Task Order to Arcadis to prepare a Master Plan for the RWCWRF to develop a phased approach to implement improvements with prioritizing identified improvements considering the needs, overall costs, long-term payback on investment, and other factors. The District assembled a list of projects to begin the study, but Arcadis will draw upon their expertise to identify additional work that would improve the operation of the facility. Improved instrumentation to enhance the operation and automation is also being studied. A draft of the master plan was submitted to the District at the end of July 2016, with comments returned to Arcadis at the end of August 2016. The final plan is expected to be completed in a few weeks and will be used for prioritizing future CIP projects.  
(R2119)
- **Rosarito Desalination:** NSC Agua, a subsidiary of Consolidated Water Company (CWCO), has finalized a 40-year definitive public-private partnership agreement with the State of Baja California on August 25, 2016. District staff and representatives from NSC Agua continue to coordinate on complying with the California Water Resources Control Board Drinking Water Program regulatory requirements related to source water quality testing. On September 7, 2016, the Board certified the EIR/EIS. After certification of the EIR/EIS, the next step is the determination by the State Department as to whether the project is in the National Interest, and if so, the issuance of a Presidential Permit for the conveyance of the water across the US-Mexico border. Notice of the 30-day public comment period was published in the Federal Register on September 14, 2016. Federal agencies have 90-days to comment on whether they feel the project is in the National Interest. After this 90-day period, the State Department will issue a Record of

Decision/National Interest Determination and there will be an additional 15-day comment period. If it is determined that the project will be in the National Interest, the Presidential Permit will be issued by December of 2016 or the beginning of 2017. An update of the project was presented to the Desalination Committee on August 29, 2016. (P2451)

- For the month of August 2016, the District sold 7 meters (13.5 EDUs), generating \$128,775 in revenue. Projection for this period was 9.7 meters (28.5 EDUs), with budgeted revenue of \$270,175. Total revenue for Fiscal Year 2017 is \$375,916 against the annual budget of \$3,242,100.

**Water System Operations (reporting for August):**

- Utility Maintenance staff performed a planned repair of the 30-inch CMLC "A" line on Alta Road on August 10, with assistance from a contracted welder. This line is one of the two primary supplies to the Otay Mesa area. Staff is currently coordinating a planned shutdown and inspection of the "B" line this fall.
- On August 16, as part of the District's continued emergency planning efforts Fleet, Pump Electric, SCADA and Treatment Plant staff coordinated and installed a new genset at the Russell Square Sewer Lift Station.
- A brush fire started on August 17 in the canyon near the 850-2 and 4 tanks on Ledge Avenue in Spring Valley. The tanks were fully functional and SCADA communications were never lost. The fire was rapidly contained by the Fire Department and no structural damage occurred to the tanks. Chlorine residuals taken at the tanks indicated to be normal. Fire retardant had to be removed from the top and side of the 850-4 tank. A Water Systems Lead operator and the disinfection staff worked on August 18 and part of August 19 in removing fire retardant from the area in and around the reservoirs.
- On August 17, Helix Water District requested an emergency flow change due to filtration problems. All flow on flow control facility No. 14 were dropped and put on flow control facility No. 11. Flows on flow control facility No. 14 were reinstated on August 18.
- On August 24, an emergency shutdown was performed at the 800 block of Sacramento Avenue in Spring Valley. Twenty-eight residential meters were affected for approximately one hour while Utility Maintenance performed repairs. A 1.5-inch copper blow off failed while it was crimped for repairs.
- On September 1, the City of San Diego requested water deliveries via the emergency interconnect located in Otay Mesa Road near Cactus

Road. The emergency interconnect was opened that day and closed on September 2 with a total usage of 157,000 gallons. This will be credited to the District via the San Diego County Water Authority under treated exchange per the current agreement with the City of San Diego.

- On September 12, staff received confirmation that test results for the second and final round of the special "Lead and Copper Sampling" are all in compliance.

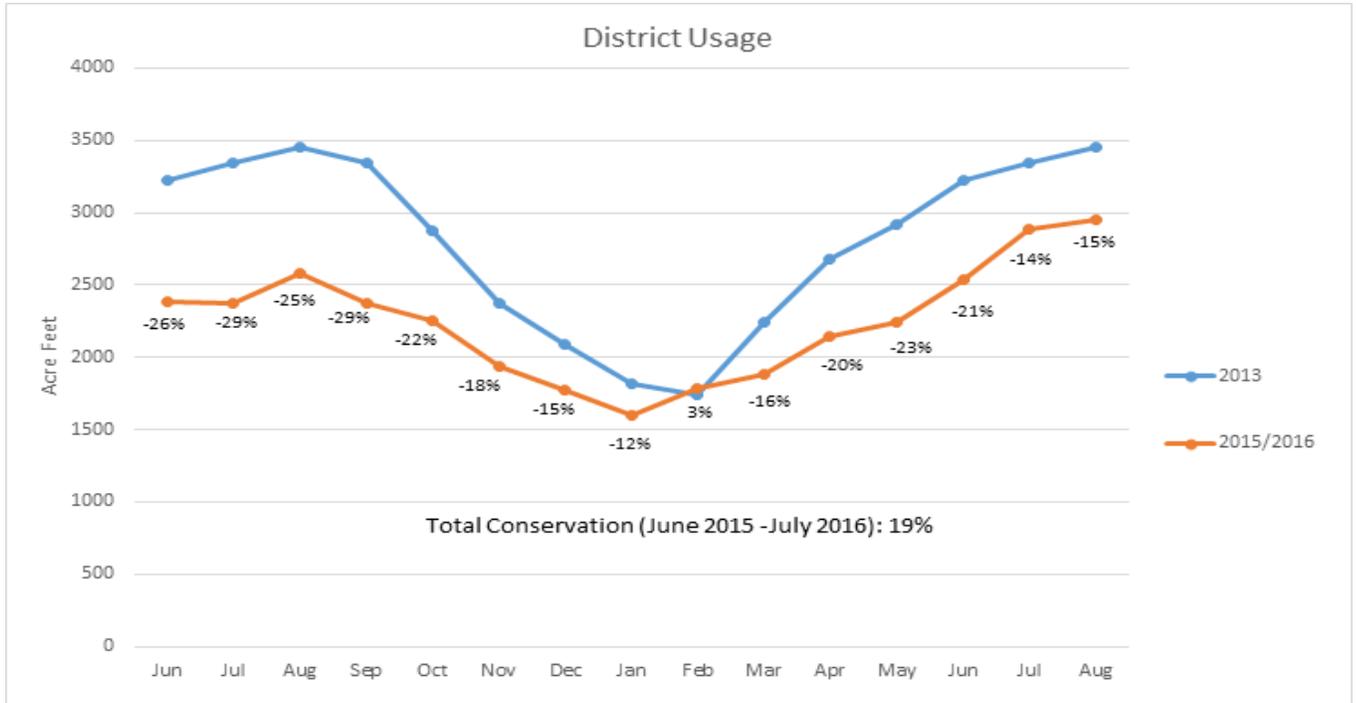
**Purchases and Change Orders:**

- The following table summarizes purchases and Change Orders issued during the period of August 30, 2016 through September 23, 2016 that were within staff signatory authority:

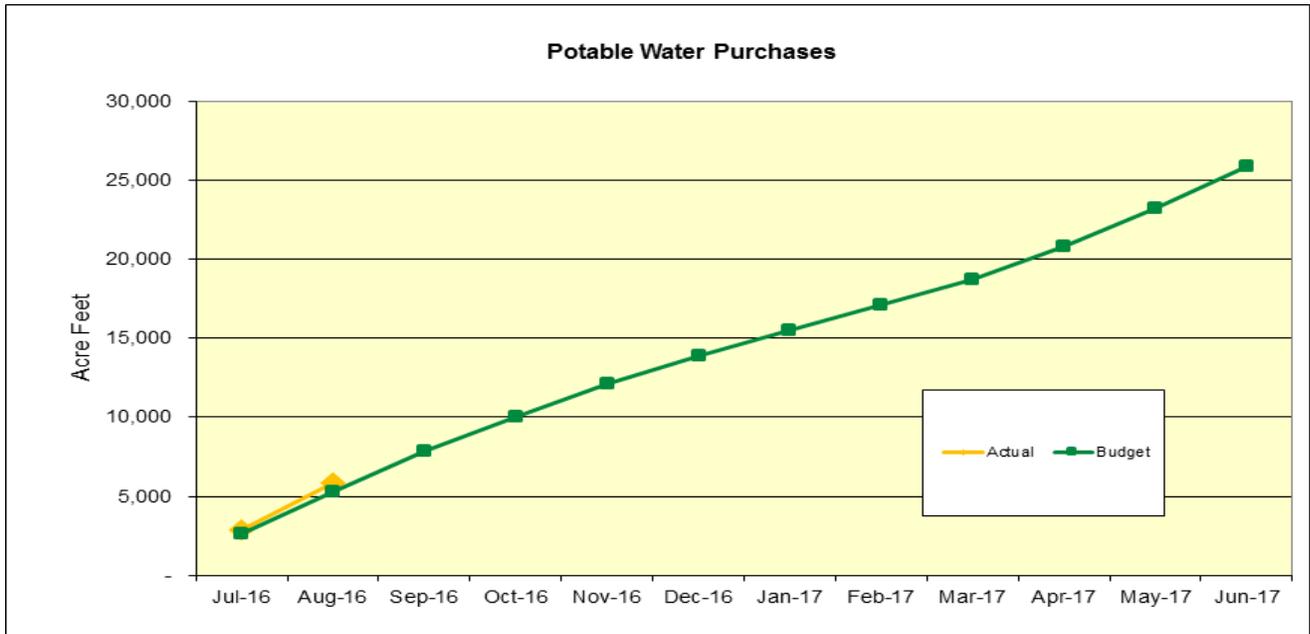
| <b>Date</b> | <b>Action</b>       | <b>Amount</b> | <b>Contractor/<br/>Consultant</b>  | <b>Project</b>  |
|-------------|---------------------|---------------|------------------------------------|---|
| 9/6/16      | P.O.                | \$2,400.00    | Marilyn Shepard                    | NASSCO<br>PACP/MACP//LACP<br>Training for IT<br>(aa000)                                       |
| 9/8/16      | P.O.                | \$5,000.00    | Gillingham Water<br>Planning       | Evaluate Water<br>Supply<br>Reliability<br>(P1210)  |
| 9/13/16     | P.O.                | \$45,000.00   | Michael Keagy Real<br>Estate       | Appraisal<br>Services<br>(Various)  |
| 9/13/16     | Fourth<br>Amendment | (\$39,165.00) | PICA                               | RWCWRF 14-Inch<br>Force Main<br>(R2116)   |
| 9/14/16     | C.O.                | \$1,025.00    | Advanced<br>Industrial<br>Services | 980-1 Reservoir<br>(P2545)  |
| 9/21/16     | P.O.                | \$5,000.00    | 1903 Solutions LLC                 | Professional<br>Consulting<br>Services for<br>Networking,<br>Storage, and<br>Security (aa000) |
| 9/23/16     | P.O.                | \$750.00      | Chicago Title                      | Tile Report<br>(D0914-090285)   |
| 9/23/16     | P.O.                | \$1,296.00    | California<br>Surveying Drafting   | GPS Pathfinder<br>and TerraSync<br>Office Software<br>(P1000)                                 |

**Water Conservation and Sales:**

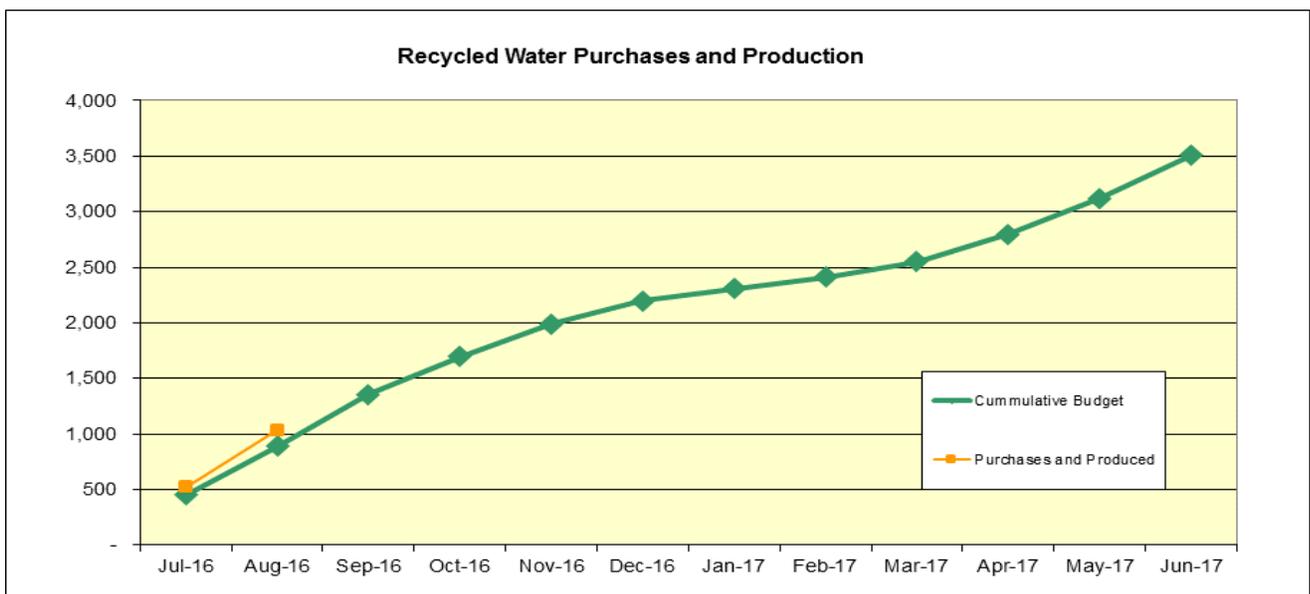
- Water Conservation - August 2016 usage was 15% lower than August 2013 usage. Since the State's Conservation Mandate began in June 2015, customers have saved an average of 19%.



- Potable Water Purchases - The August potable water purchases were 2,948.6 acre-feet which is 11.2% above the budget of 2,652.2 acre-feet. The cumulative purchases through August were 5,840.2 acre-feet which is 10.0% above the cumulative budget of 5,308.5 acre-feet.



- Recycled Water Purchases - The August recycled water purchases and production were 514.6 acre-feet which is 18.3% above the budget of 435.1 acre-feet. The cumulative production and purchases through August were 1,034.1 acre-feet which is 16.5% above the cumulative budget of 887.8 acre-feet.



**Potable, Recycled, and Sewer (Reporting up to the month of August):**

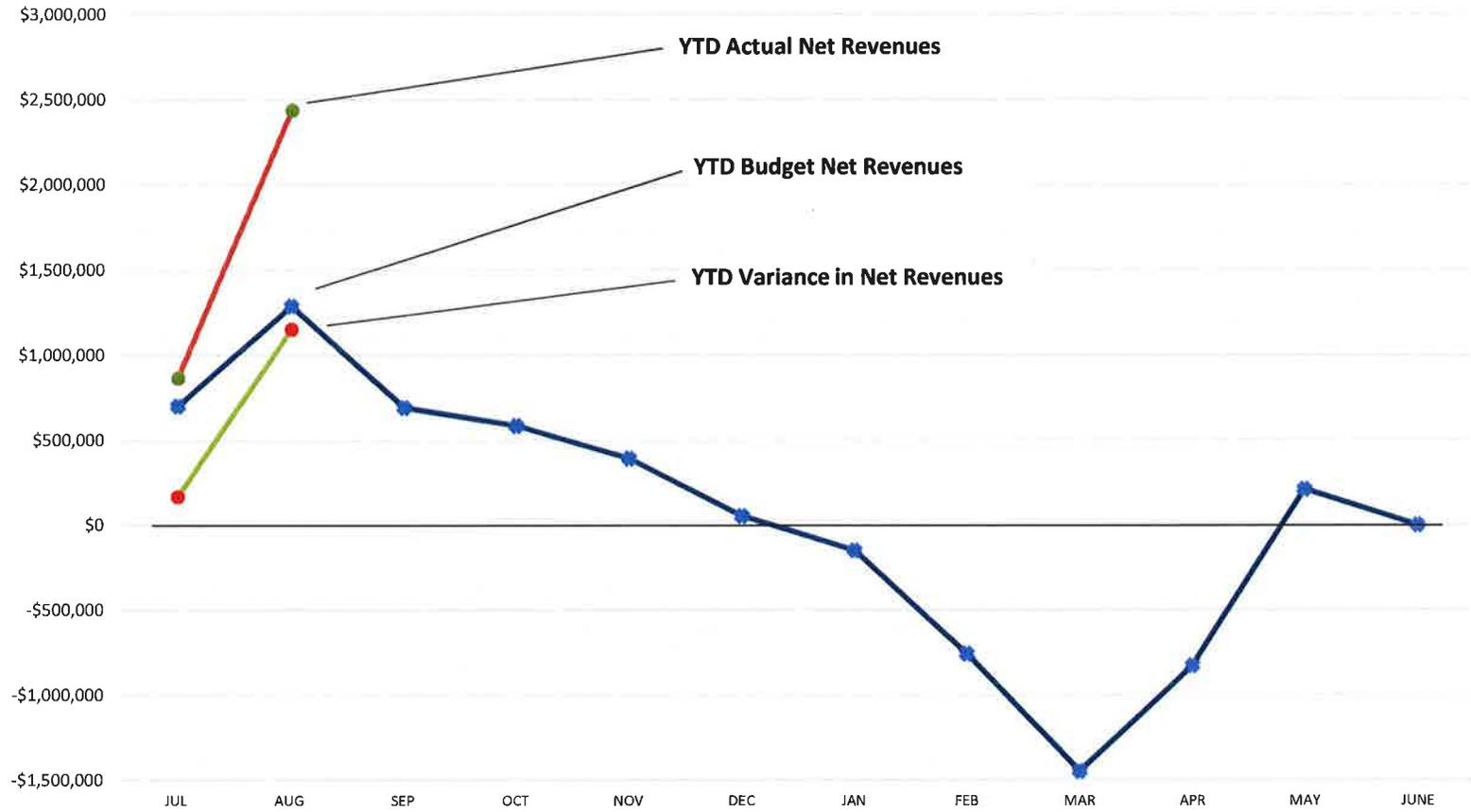
- Total number of potable water meters is 49,557.
- Recycled water consumption for the month of August is as follows:  
  
Total consumption was 507.5 acre-feet or 165,295,284 gallons and the average daily consumption was 5,332,106 gallons per day.  
  
Total cumulative recycled water consumption since July 1, 2016 is 1047.2 acre-feet.  
  
Total number of recycled water meters is 710.
- Wastewater flows for the month of August were as follows:
  - Total basin flow, gallons per day: 1,555,355. This is an increase of 2.22% from August 2015.
  - Spring Valley Sanitation District Flow to Metro, gallons per day: 514,130.
  - Total Otay flow, gallons per day: 1,041,290.
  - Flow Processed at the Ralph W. Chapman Water Recycling Facility, gallons per day: 947,968.
  - Flow to Metro from Otay Water District was 93,323 gallons per day.
- By the end of August there were 6,104 wastewater EDUs.

**PROJECTED PARTICIPATING AGENCY CONTRIBUTIONS BY FISCAL YEAR - ESTIMATED POTENTIAL RANGE <sup>1</sup>**

| Participating Agency | Allocation     | FY 2017              |                      | FY 2018              |                      | FY 2019              |                      | FY 2020               |                       | FY 2021               |                       | FY 2022              |                      |
|----------------------|----------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|
|                      |                | Potential            | Range                | Potential            | Range                | Potential            | Range                | Potential             | Range                 | Potential             | Range                 | Potential            | Range                |
| Chula Vista          | 30.00%         | \$ 20,858,193        | \$ 23,053,792        | \$ 22,381,415        | \$ 24,737,353        | \$ 25,085,850        | \$ 27,726,465        | \$ 34,677,318         | \$ 41,612,782         | \$ 31,065,057         | \$ 37,278,068         | \$ 22,343,394        | \$ 26,812,073        |
| Coronado             | 3.00%          | 2,085,819            | 2,305,379            | 2,238,141            | 2,473,735            | 2,508,585            | 2,772,647            | 3,467,732             | 4,161,278             | 3,106,506             | 3,727,807             | 2,234,339            | 2,681,207            |
| Del Mar              | 1.10%          | 764,800              | 845,306              | 820,652              | 907,036              | 919,814              | 1,016,637            | 1,271,502             | 1,525,802             | 1,139,052             | 1,366,863             | 819,258              | 983,109              |
| East Otay Mesa       | 0.10%          | 69,527               | 76,846               | 74,605               | 82,458               | 83,619               | 92,422               | 115,591               | 138,709               | 103,550               | 124,260               | 74,478               | 89,374               |
| El Cajon             | 15.00%         | 10,429,096           | 11,526,896           | 11,190,707           | 12,368,676           | 12,542,925           | 13,863,233           | 17,338,659            | 20,806,391            | 15,532,528            | 18,639,034            | 11,171,697           | 13,406,036           |
| Imperial Beach       | 3.70%          | 2,572,510            | 2,843,301            | 2,760,374            | 3,050,940            | 3,093,921            | 3,419,597            | 4,276,869             | 5,132,243             | 3,831,357             | 4,597,628             | 2,755,685            | 3,306,822            |
| La Mesa              | 7.60%          | 5,284,075            | 5,840,294            | 5,669,958            | 6,266,796            | 6,355,082            | 7,024,038            | 8,784,921             | 10,541,905            | 7,869,814             | 9,443,777             | 5,660,326            | 6,792,392            |
| Lakeside/Alpine      | 5.30%          | 3,684,947            | 4,072,837            | 3,954,050            | 4,370,266            | 4,431,833            | 4,898,342            | 6,126,326             | 7,351,591             | 5,488,160             | 6,585,792             | 3,947,333            | 4,736,800            |
| Lemon Grove          | 3.60%          | 2,502,983            | 2,766,455            | 2,685,770            | 2,968,482            | 3,010,302            | 3,327,176            | 4,161,278             | 4,993,534             | 3,727,807             | 4,473,368             | 2,681,207            | 3,217,449            |
| National City        | 7.40%          | 5,145,021            | 5,686,602            | 5,520,749            | 6,101,880            | 6,187,843            | 6,839,195            | 8,553,739             | 10,264,486            | 7,662,714             | 9,195,257             | 5,511,370            | 6,613,645            |
| Otay                 | 1.10%          | 764,800              | 845,306              | 820,652              | 907,036              | 919,814              | 1,016,637            | 1,271,502             | 1,525,802             | 1,139,052             | 1,366,863             | 819,258              | 983,109              |
| Padre Dam            | 6.50%          | 4,519,275            | 4,994,988            | 4,849,306            | 5,359,760            | 5,435,267            | 6,007,401            | 7,513,419             | 9,016,103             | 6,730,762             | 8,076,915             | 4,841,069            | 5,809,282            |
| Poway                | 5.10%          | 3,545,893            | 3,919,145            | 3,804,840            | 4,205,350            | 4,264,594            | 4,713,499            | 5,895,144             | 7,074,173             | 5,281,060             | 6,337,272             | 3,798,377            | 4,558,052            |
| Spring Valley        | 8.60%          | 5,979,349            | 6,608,754            | 6,416,006            | 7,091,375            | 7,191,277            | 7,948,253            | 9,940,831             | 11,928,998            | 8,905,316             | 10,686,380            | 6,405,106            | 7,686,128            |
| Wintergardens        | 1.90%          | 1,321,019            | 1,460,073            | 1,417,490            | 1,566,699            | 1,588,770            | 1,756,009            | 2,196,230             | 2,635,476             | 1,967,454             | 2,360,944             | 1,415,082            | 1,698,098            |
| <b>Total</b>         | <b>100.00%</b> | <b>\$ 69,527,309</b> | <b>\$ 76,845,973</b> | <b>\$ 74,604,715</b> | <b>\$ 82,457,843</b> | <b>\$ 83,619,499</b> | <b>\$ 92,421,552</b> | <b>\$ 115,591,061</b> | <b>\$ 138,709,273</b> | <b>\$ 103,550,190</b> | <b>\$ 124,260,228</b> | <b>\$ 74,477,980</b> | <b>\$ 89,373,576</b> |
| County               | 15.90%         | \$ 11,054,842        | \$ 12,218,510        | \$ 11,862,150        | \$ 13,110,797        | \$ 13,295,500        | \$ 14,695,027        | \$ 18,378,979         | \$ 22,054,774         | \$ 16,464,480         | \$ 19,757,376         | \$ 11,841,999        | \$ 14,210,399        |

- <sup>1</sup> The achievement of certain results or other expectations contained in this table involve known and unknown risks, uncertainties and other factors which may cause actual results, performance or achievements reflected in table to be materially different from any future results, performance or achievements expressed or implied. Although, in the opinion of the Public Utilities Department, such projections are reasonable, there can be no assurance that any or all of such projections will be realized or predictive of future results.
- <sup>1</sup> Pure Water Cost Allocation projections involve estimates, forecasts or matters of opinion, whether or not expressly so described herein, are intended solely as such and are not to be construed as a representation of facts. All projections, forecasts, assumptions, expressions of opinions, estimates and the forward-looking figures are expressly qualified in their entirety by this cautionary statement. Each agency should include additional contingency they feel necessary when developing rates for this component.
- <sup>1</sup> Potential Range estimates are based on various scenario outcomes for O&M costs, financing proceeds, baseline CIP spending, Pure Water expenditures, and Participating Agency allocations based on sampling. Ranges may not reflect actual requirements for Participating Agency contributions based on

**COMPARATIVE BUDGET SUMMARY  
NET REVENUES AND EXPENSES  
FOR TWO MONTHS ENDED AUGUST 31, 2016**



The year-to-date actual net revenues through August were positive of \$1,152,338.

OTAY WATER DISTRICT  
**COMPARATIVE BUDGET SUMMARY**  
 FOR TWO MONTHS ENDED AUGUST 31, 2016

|                                  | Annual<br>Budget     | Actual               | Budget               | YTD<br>Variance     | Var %         |
|----------------------------------|----------------------|----------------------|----------------------|---------------------|---------------|
| <b>REVENUES:</b>                 |                      |                      |                      |                     |               |
| Potable Water Sales              | \$ 44,450,600        | \$ 9,760,414         | \$ 8,566,900         | \$ 1,193,514        | 13.9%         |
| Recycled Water Sales             | 8,900,300            | 2,467,041            | 2,097,100            | 369,941             | 17.6%         |
| Potable Energy Charges           | 2,164,200            | 587,077              | 543,300              | 43,777              | 8.1%          |
| Potable System Charges           | 12,204,600           | 2,212,230            | 2,206,600            | 5,630               | 0.3%          |
| Potable MWD & CWA Fixed Charges  | 12,535,200           | 2,186,787            | 2,182,000            | 4,787               | 0.2%          |
| Potable Penalties                | 884,000              | 129,185              | 180,100              | (50,915)            | (28.3%)       |
| Total Water Sales                | <u>81,138,900</u>    | <u>17,342,734</u>    | <u>15,776,000</u>    | <u>1,566,734</u>    | <u>9.9%</u>   |
| Sewer Charges                    | 2,918,900            | 511,145              | 514,200              | (3,055)             | (0.6%)        |
| Meter Fees                       | 66,200               | 7,989                | 11,000               | (3,011)             | (27.4%)       |
| Capacity Fee Revenues            | 1,248,200            | 248,044              | 208,000              | 40,044              | 19.3%         |
| Non-Operating Revenues           | 2,179,300            | 396,630              | 327,100              | 69,530              | 21.3%         |
| Tax Revenues                     | 4,033,100            | 86,227               | 63,700               | 22,527              | 35.4%         |
| Interest                         | 156,900              | 25,098               | 26,200               | (1,102)             | (4.2%)        |
| Total Revenues                   | <u>\$ 91,741,500</u> | <u>\$ 18,617,866</u> | <u>\$ 16,926,200</u> | <u>\$ 1,691,666</u> | <u>10.0%</u>  |
| <b>EXPENSES:</b>                 |                      |                      |                      |                     |               |
| Potable Water Purchases          | \$ 31,271,300        | \$ 6,803,833         | \$ 6,189,300         | \$ (614,533)        | (9.9%)        |
| Recycled Water Purchases         | 3,615,900            | 648,303              | 527,600              | (120,703)           | (22.9%)       |
| CWA-Infrastructure Access Charge | 1,976,400            | 322,286              | 322,200              | (86)                | (0.0%)        |
| CWA-Customer Service Charge      | 1,714,200            | 291,098              | 291,000              | (98)                | (0.0%)        |
| CWA-Reliability Charge           | 1,848,000            | 316,684              | 316,600              | (84)                | 0.0%          |
| CWA-Emergency Storage Charge     | 4,579,800            | 767,343              | 767,400              | 58                  | 0.0%          |
| MWD-Capacity Res Charge          | 988,800              | 160,074              | 160,000              | (74)                | (0.0%)        |
| MWD-Readiness to Serve Charge    | 1,428,000            | 211,360              | 264,600              | 53,240              | 20.1%         |
| Subtotal Water Purchases         | <u>47,422,400</u>    | <u>9,520,981</u>     | <u>8,838,700</u>     | <u>(682,281)</u>    | <u>(7.7%)</u> |
| Power Charges                    | 2,938,000            | 603,546              | 589,400              | (14,146)            | (2.4%)        |
| Payroll & Related Costs          | 20,899,900           | 3,005,379            | 3,015,000            | 9,621               | 0.3%          |
| Material & Maintenance           | 3,456,300            | 400,384              | 450,336              | 49,952              | 11.1%         |
| Administrative Expenses          | 4,900,100            | 616,952              | 722,812              | 105,860             | 14.6%         |
| Legal Fees                       | 250,000              | 50,000               | 41,667               | (8,333)             | (20.0%)       |
| Transfer to General Fund Reserve | 1,482,500            | 247,100              | 247,100              | -                   | 0.0%          |
| Expansion Reserve                | 4,093,600            | 682,300              | 682,300              | -                   | 0.0%          |
| Betterment Reserve               | 3,466,400            | 577,700              | 577,700              | -                   | 0.0%          |
| Replacement Reserve              | 464,500              | 77,400               | 77,400               | -                   | 0.0%          |
| Transfer to Sewer General Fund   | 1,371,800            | 228,600              | 228,600              | -                   | 0.0%          |
| OPEB Trust                       | 961,000              | 160,200              | 160,200              | -                   | 0.0%          |
| New Supply Reserve               | 35,000               | 5,800                | 5,800                | -                   | 0.0%          |
| Total Expenses                   | <u>\$ 91,741,500</u> | <u>\$ 16,176,342</u> | <u>\$ 15,637,014</u> | <u>\$ (539,328)</u> | <u>(3.4%)</u> |
| <b>EXCESS REVENUES(EXPENSE)</b>  | <u>\$ -</u>          | <u>\$ 2,441,524</u>  | <u>\$ 1,289,186</u>  | <u>\$ 1,152,338</u> |               |

**OTAY WATER DISTRICT  
INVESTMENT PORTFOLIO REVIEW  
August 31, 2016**

**INVESTMENT OVERVIEW & MARKET STATUS:**

The federal funds rate has remained constant for over 5 years. On December 16, 2015, at the Federal Reserve Board’s regular scheduled meeting, the federal funds rate was increased from 0.25% to 0.50%” in response to the nation’s gradual economic improvement. The Committee judges that there has been considerable improvement in labor market conditions this year, and it is reasonably confident that inflation will rise, over the medium term, to its 2 percent objective. The stance of monetary policy remains accommodative after this increase, thereby supporting further improvement in labor market conditions and a return to 2 percent inflation. There have been no further changes made to the federal funds rate at the Federal Reserve Board’s subsequent regular meetings, the most recent of which was held on September 21, 2016. In determining the timing and size of future adjustments to the target range for the federal funds rate, they went on to say: *“the Committee will assess realized and expected economic conditions relative to its objectives of maximum employment and 2 percent inflation. This assessment will take into account a wide range of information, including measures of labor market conditions, indicators of inflation pressures and inflation expectations, and readings on financial and international developments. In light of the current shortfall of inflation from 2 percent, the Committee will carefully monitor actual and expected progress toward its inflation goal. The Committee expects that economic conditions will evolve in a manner that will warrant only gradual increases in the federal funds rate; the federal funds rate is likely to remain, for some time, below levels that are expected to prevail in the longer run. However, the actual path of the federal funds rate will depend on the economic outlook as informed by incoming data.”*

The District’s overall effective rate of return at August 31, 2016 was 0.93%, which was two basis points lower than the previous month. At the same time the LAIF return on deposits has improved over the previous month, reaching an average effective yield of 0.614% for the month of August 2016. Based on our success at maintaining a competitive rate of return on our portfolio during this extended period of low interest rates, no changes in investment strategy regarding returns on investment are being considered at this time. The desired portfolio mix is important in mitigating any liquidity risk from unforeseen changes in LAIF or County Pool policy.

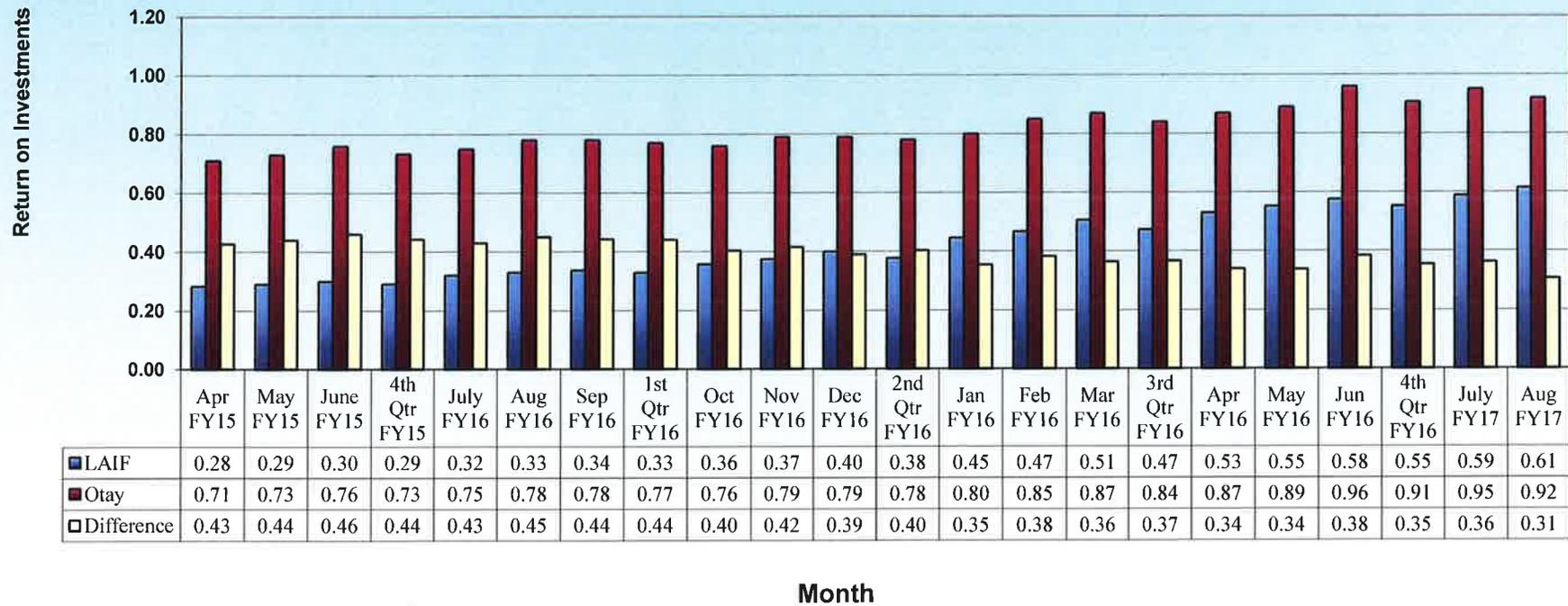
In accordance with the District’s Investment Policy, all District funds continue to be managed based on the objectives, in priority order, of safety, liquidity, and return on investment.

**PORTFOLIO COMPLIANCE: August 31, 2016**

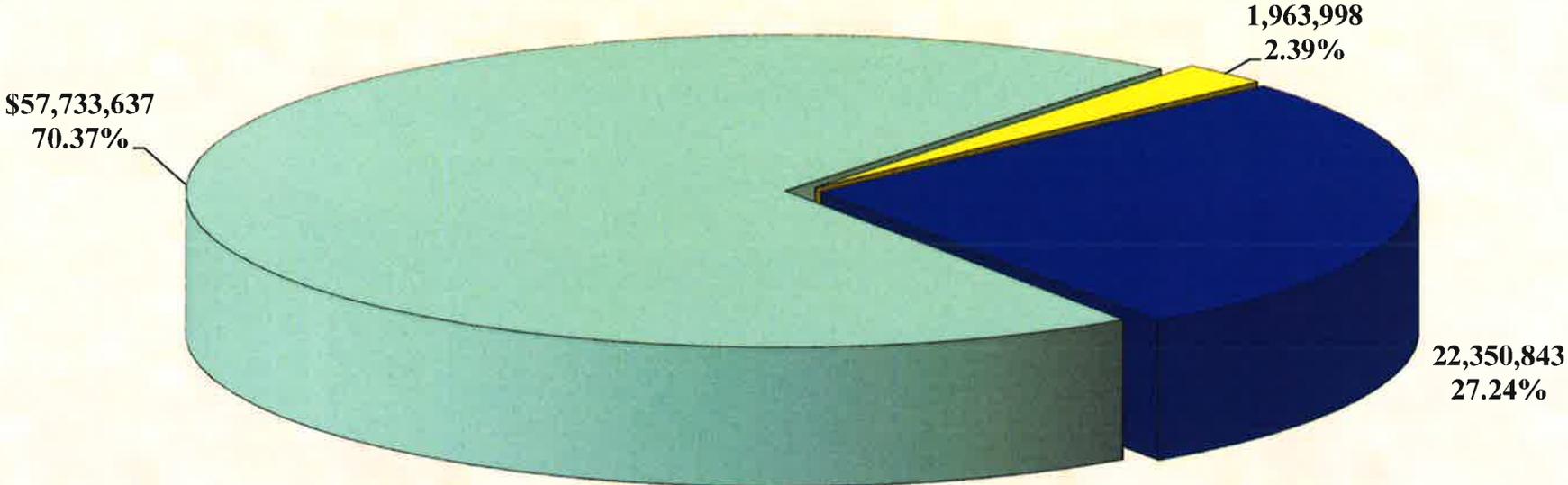
|       | <u>Investment</u>                         | <u>State Limit</u> | <u>Otay Limit</u> | <u>Otay Actual</u> |
|-------|---|--------------------|-------------------|--------------------|
| 8.01: | Treasury Securities                       | 100%               | 100%              | 0                  |
| 8.02: | Local Agency Investment Fund (Operations) | \$65 Million       | \$65 Million      | \$8.94 Million     |
| 8.02: | Local Agency Investment Fund (Bonds)      | 100%               | 100%              | 0                  |
| 8.03: | Federal Agency Issues                     | 100%               | 100%              | 70.37%             |
| 8.04: | Certificates of Deposit                   | 30%                | 15%               | .10%               |
| 8.05: | Short-Term Commercial Notes               | 25%                | 10%               | 0                  |
| 8.06: | Medium-Term Commercial Debt               | 30%                | 10%               | 0                  |
| 8.07: | Money Market Mutual Funds                 | 20%                | 10%               | 0                  |
| 8.08: | San Diego County Pool                     | 100%               | 100%              | 16.34%             |
| 12.0: | Maximum Single Financial Institution      | 100%               | 50%               | 2.29%              |

## Performance Measure FY-17 Return on Investment

**Target: Meet or Exceed 100% of LAIF**



# Otay Water District Investment Portfolio: 08/31/2016



Total Cash and Investments: \$82,048,478

■ Banks (Passbook/Checking/CD)

■ Pools (LAIF & County)

■ Agencies & Corporate Notes

**Month End  
Portfolio Management  
Portfolio Summary  
August 31, 2016**

| <b>Investments</b>  | <b>Par Value</b>     | <b>Market Value</b>  | <b>Book Value</b>    | <b>% of Portfolio</b> | <b>Term</b> | <b>Days to Maturity</b> | <b>YTM 360 Equiv.</b> | <b>YTM 365 Equiv.</b> |
|---|----------------------|----------------------|----------------------|-----------------------|-------------|-------------------------|-----------------------|-----------------------|
| Federal Agency Issues- Callable                           | 55,735,000.00        | 55,698,039.20        | 55,735,000.00        | 69.52                 | 932         | 785                     | 1.044                 | 1.058                 |
| Federal Agency Issues - Coupon                            | 2,000,000.00         | 1,999,160.00         | 1,998,636.68         | 2.49                  | 640         | 207                     | 0.661                 | 0.670                 |
| Certificates of Deposit - Bank                            | 81,833.21            | 81,833.21            | 81,833.21            | 0.10                  | 731         | 508                     | 0.030                 | 0.030                 |
| Local Agency Investment Fund (LAIF)                       | 8,940,374.48         | 8,945,928.44         | 8,940,374.48         | 11.15                 | 1           | 1                       | 0.606                 | 0.614                 |
| San Diego County Pool                                     | 13,410,468.41        | 13,394,000.00        | 13,410,468.41        | 16.73                 | 1           | 1                       | 0.892                 | 0.904                 |
| <b>Investments</b>  | <b>80,167,676.10</b> | <b>80,118,960.85</b> | <b>80,166,312.78</b> | <b>100.00%</b>        | <b>665</b>  | <b>552</b>              | <b>0.959</b>          | <b>0.972</b>          |
| <b>Cash</b>   |                      |                      |                      |                       |             |                         |                       |                       |
| Passbook/Checking<br>(not included in yield calculations) | 1,882,165.00         | 1,882,165.00         | 1,882,165.00         |                       | 1           | 1                       | 0.372                 | 0.378                 |
| <b>Total Cash and Investments</b>                         | <b>82,049,841.10</b> | <b>82,001,125.85</b> | <b>82,048,477.78</b> |                       | <b>665</b>  | <b>552</b>              | <b>0.959</b>          | <b>0.972</b>          |

| <b>Total Earnings</b>           | <b>August 31 Month Ending</b> | <b>Fiscal Year To Date</b> |
|---------------------------------|-------------------------------|----------------------------|
| Current Year                    | 65,849.13                     | 136,100.58                 |
| <b>Average Daily Balance</b>    | <b>84,418,973.57</b>          | <b>85,863,575.55</b>       |
| <b>Effective Rate of Return</b> | <b>0.92%</b>                  | <b>0.93%</b>               |

I hereby certify that the investments contained in this report are made in accordance with the District Investment Policy Number 27 adopted by the Board of Directors on May 4, 2016. The market value information provided by Interactive Data Corporation. The investments provide sufficient liquidity to meet the cash flow requirements of the District for the next six months of expenditures.

  
Joseph Beachem, Chief Financial Officer

9-22-16

**Month End  
Portfolio Management  
Portfolio Details - Investments  
August 31, 2016**

| CUSIP                                  | Investment # | Issuer                          | Average Balance      | Purchase Date | Par Value            | Market Value         | Book Value           | Stated Rate | S&P | YTM 360      | Days to Maturity | Maturity Date |
|--|--------------|---------------------------------|----------------------|---------------|----------------------|----------------------|----------------------|-------------|-----|--------------|------------------|---------------|
| <b>Federal Agency Issues- Callable</b> |              |                                 |                      |               |                      |                      |                      |             |     |              |                  |               |
| 3134G5A47                              | 2301         | Federal Home Loan Mortgage      |                      | 06/30/2014    | 2,000,000.00         | 2,003,920.00         | 2,000,000.00         | 0.650       |     | 0.641        | 120              | 12/30/2016    |
| 3134G8NM7                              | 2345         | Federal Home Loan Mortgage      |                      | 03/29/2016    | 2,000,000.00         | 2,000,160.00         | 2,000,000.00         | 0.850       | AA  | 0.838        | 393              | 09/29/2017    |
| 3134G8WWW5                             | 2349         | Federal Home Loan Mortgage      |                      | 04/27/2016    | 2,000,000.00         | 1,999,020.00         | 2,000,000.00         | 0.850       | AA  | 0.838        | 421              | 10/27/2017    |
| 3134G9D38                              | 2363         | Federal Home Loan Mortgage      |                      | 06/29/2016    | 2,000,000.00         | 1,995,340.00         | 2,000,000.00         | 0.700       | AAA | 0.690        | 484              | 12/29/2017    |
| 3133EEYE4                              | 2320         | Federal Farm Credit Bank        |                      | 04/16/2015    | 2,000,000.00         | 1,998,160.00         | 2,000,000.00         | 1.000       |     | 0.986        | 502              | 01/16/2018    |
| 3130A85A7                              | 2355         | Federal Home Loan Bank          |                      | 05/26/2016    | 2,000,000.00         | 1,999,520.00         | 2,000,000.00         | 0.900       | AAA | 0.888        | 543              | 02/26/2018    |
| 3130A7H73                              | 2346         | Federal Home Loan Bank          |                      | 03/29/2016    | 2,000,000.00         | 2,000,860.00         | 2,000,000.00         | 1.000       | AA  | 0.986        | 574              | 03/29/2018    |
| 3134G9AF4                              | 2350         | Federal Home Loan Mortgage      |                      | 04/26/2016    | 2,000,000.00         | 2,000,060.00         | 2,000,000.00         | 1.050       | AA  | 1.036        | 602              | 04/26/2018    |
| 3133EGJU0                              | 2362         | Federal Farm Credit Bank        |                      | 07/05/2016    | 2,000,000.00         | 1,993,340.00         | 2,000,000.00         | 0.820       | AA  | 0.809        | 672              | 07/05/2018    |
| 3130A8KR3                              | 2358         | Federal Home Loan Bank          |                      | 06/23/2016    | 2,000,000.00         | 1,996,940.00         | 2,000,000.00         | 0.820       |     | 0.809        | 673              | 07/06/2018    |
| 3134G8XA2                              | 2348         | Federal Home Loan Mortgage      |                      | 04/27/2016    | 2,000,000.00         | 1,999,160.00         | 2,000,000.00         | 1.000       | AA  | 0.986        | 694              | 07/27/2018    |
| 3133EGBG9                              | 2354         | Federal Farm Credit Bank        |                      | 05/23/2016    | 2,000,000.00         | 1,998,160.00         | 2,000,000.00         | 1.000       |     | 0.986        | 721              | 08/23/2018    |
| 3135G0G64                              | 2336         | Fannie Mae                      |                      | 10/30/2015    | 2,000,000.00         | 1,993,080.00         | 2,000,000.00         | 1.100       |     | 1.085        | 788              | 10/29/2018    |
| 3136G2R665                             | 2334         | Fannie Mae                      |                      | 11/19/2015    | 2,000,000.00         | 2,001,520.00         | 2,000,000.00         | 1.150       |     | 1.134        | 809              | 11/19/2018    |
| 3130A6UZ8                              | 2338         | Federal Home Loan Bank          |                      | 12/28/2015    | 2,000,000.00         | 2,003,240.00         | 2,000,000.00         | 1.375       |     | 1.356        | 848              | 12/28/2018    |
| 3134G9ZR1                              | 2360         | Federal Home Loan Mortgage      |                      | 06/28/2016    | 2,000,000.00         | 1,993,680.00         | 2,000,000.00         | 1.000       |     | 0.986        | 848              | 12/28/2018    |
| 3134G8Q44                              | 2344         | Federal Home Loan Mortgage      |                      | 03/29/2016    | 2,000,000.00         | 2,000,040.00         | 2,000,000.00         | 1.350       |     | 1.332        | 939              | 03/29/2019    |
| 3134G9AW7                              | 2347         | Federal Home Loan Mortgage      |                      | 04/26/2016    | 2,000,000.00         | 1,999,520.00         | 2,000,000.00         | 1.150       | AA  | 1.134        | 967              | 04/26/2019    |
| 3134G8ZM4                              | 2351         | Federal Home Loan Mortgage      |                      | 04/29/2016    | 2,000,000.00         | 1,999,140.00         | 2,000,000.00         | 1.300       | AA  | 1.282        | 970              | 04/29/2019    |
| 3130A7WK7                              | 2352         | Federal Home Loan Bank          |                      | 05/24/2016    | 2,000,000.00         | 2,002,820.00         | 2,000,000.00         | 1.250       |     | 1.233        | 995              | 05/24/2019    |
| 3133EGCZ6                              | 2357         | Federal Farm Credit Bank        |                      | 06/06/2016    | 2,000,000.00         | 2,002,960.00         | 2,000,000.00         | 1.300       | AA  | 1.282        | 1,008            | 06/06/2019    |
| 3133EGGS8                              | 2359         | Federal Farm Credit Bank        |                      | 06/27/2016    | 2,000,000.00         | 1,995,480.00         | 2,000,000.00         | 1.200       | AA  | 1.184        | 1,029            | 06/27/2019    |
| 3134G9SL2                              | 2356         | Federal Home Loan Mortgage      |                      | 06/28/2016    | 2,000,000.00         | 2,002,120.00         | 2,000,000.00         | 1.300       |     | 1.282        | 1,030            | 06/28/2019    |
| 3133EGJR7                              | 2361         | Federal Farm Credit Bank        |                      | 07/05/2016    | 2,000,000.00         | 1,995,680.00         | 2,000,000.00         | 1.020       |     | 1.006        | 1,037            | 07/05/2019    |
| 3136G33N3                              | 2364         | Federal National Mortgage Assoc |                      | 08/30/2016    | 1,030,000.00         | 1,028,681.60         | 1,030,000.00         | 1.125       |     | 1.110        | 1,091            | 08/28/2019    |
| 3136G33N3                              | 2365         | Federal National Mortgage Assoc |                      | 08/30/2016    | 2,705,000.00         | 2,701,537.60         | 2,705,000.00         | 1.125       |     | 1.110        | 1,091            | 08/28/2019    |
| 3136G33N3                              | 2366         | Federal National Mortgage Assoc |                      | 08/30/2016    | 2,000,000.00         | 1,997,440.00         | 2,000,000.00         | 1.125       |     | 1.110        | 1,091            | 08/28/2019    |
| 3136G34U6                              | 2367         | Federal National Mortgage Assoc |                      | 08/30/2016    | 2,000,000.00         | 1,996,460.00         | 2,000,000.00         | 1.125       |     | 1.110        | 1,091            | 08/28/2019    |
| <b>Subtotal and Average</b>            |              |                                 | <b>54,091,774.19</b> |               | <b>55,735,000.00</b> | <b>55,698,039.20</b> | <b>55,735,000.00</b> |             |     | <b>1.044</b> | <b>785</b>       |               |
| <b>Federal Agency Issues - Coupon</b>  |              |                                 |                      |               |                      |                      |                      |             |     |              |                  |               |
| 3133EEC73                              | 2329         | Federal Farm Credit Bank        |                      | 06/26/2015    | 2,000,000.00         | 1,999,160.00         | 1,998,636.68         | 0.550       | AA  | 0.661        | 207              | 03/27/2017    |
| <b>Subtotal and Average</b>            |              |                                 | <b>3,611,478.36</b>  |               | <b>2,000,000.00</b>  | <b>1,999,160.00</b>  | <b>1,998,636.68</b>  |             |     | <b>0.661</b> | <b>207</b>       |               |

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**Month End  
Portfolio Management  
Portfolio Details - Investments  
August 31, 2016**

| CUSIP                                      | Investment # | Issuer                  | Average Balance      | Purchase Date | Par Value            | Market Value         | Book Value           | Stated Rate | S&P | YTM 360      | Days to Maturity | Maturity Date |
|--|--------------|-------------------------|----------------------|---------------|----------------------|----------------------|----------------------|-------------|-----|--------------|------------------|---------------|
| <b>Certificates of Deposit - Bank</b>      |              |                         |                      |               |                      |                      |                      |             |     |              |                  |               |
| 2050003183-7                               | 2341         | California Bank & Trust |                      | 01/22/2016    | 81,833.21            | 81,833.21            | 81,833.21            | 0.030       |     | 0.030        | 508              | 01/22/2018    |
| <b>Subtotal and Average</b>                |              |                         | <b>81,833.21</b>     |               | <b>81,833.21</b>     | <b>81,833.21</b>     | <b>81,833.21</b>     |             |     | <b>0.030</b> | <b>508</b>       |               |
| <b>Local Agency Investment Fund (LAIF)</b> |              |                         |                      |               |                      |                      |                      |             |     |              |                  |               |
| LAIF                                       | 9001         | STATE OF CALIFORNIA     |                      |               | 8,940,374.48         | 8,945,928.44         | 8,940,374.48         | 0.614       |     | 0.606        | 1                |               |
| LAIF BABS 2010                             | 9012         | STATE OF CALIFORNIA     |                      | 07/01/2016    | 0.00                 | 0.00                 | 0.00                 | 0.267       |     | 0.263        | 1                |               |
| <b>Subtotal and Average</b>                |              |                         | <b>9,766,180.93</b>  |               | <b>8,940,374.48</b>  | <b>8,945,928.44</b>  | <b>8,940,374.48</b>  |             |     | <b>0.606</b> | <b>1</b>         |               |
| <b>San Diego County Pool</b>               |              |                         |                      |               |                      |                      |                      |             |     |              |                  |               |
| SD COUNTY POOL                             | 9007         | San Diego County        |                      |               | 13,410,468.41        | 13,394,000.00        | 13,410,468.41        | 0.904       |     | 0.892        | 1                |               |
| <b>Subtotal and Average</b>                |              |                         | <b>13,410,468.41</b> |               | <b>13,410,468.41</b> | <b>13,394,000.00</b> | <b>13,410,468.41</b> |             |     | <b>0.892</b> | <b>1</b>         |               |
| <b>Total and Average</b>                   |              |                         | <b>84,418,973.57</b> |               | <b>80,167,676.10</b> | <b>80,118,960.85</b> | <b>80,166,312.78</b> |             |     | <b>0.959</b> | <b>552</b>       |               |

**Month End  
Portfolio Management  
Portfolio Details - Cash  
August 31, 2016**

| CUSIP                             | Investment # | Issuer              | Average Balance      | Purchase Date | Par Value            | Market Value         | Book Value           | Stated Rate | S&P | YTM          | Days to 360 Maturity |
|-----------------------------------|--------------|---------------------|----------------------|---------------|----------------------|----------------------|----------------------|-------------|-----|--------------|----------------------|
| <b>Union Bank</b>                 |              |                     |                      |               |                      |                      |                      |             |     |              |                      |
| UNION MONEY                       | 9002         | STATE OF CALIFORNIA |                      |               | 10,009.16            | 10,009.16            | 10,009.16            | 0.010       |     | 0.010        | 1                    |
| PETTY CASH                        | 9003         | STATE OF CALIFORNIA |                      |               | 2,950.00             | 2,950.00             | 2,950.00             |             |     | 0.000        | 1                    |
| UNION OPERATING                   | 9004         | STATE OF CALIFORNIA |                      |               | 1,776,099.39         | 1,776,099.39         | 1,776,099.39         | 0.400       |     | 0.395        | 1                    |
| PAYROLL                           | 9005         | STATE OF CALIFORNIA |                      | 07/01/2016    | 27,861.29            | 27,861.29            | 27,861.29            |             |     | 0.000        | 1                    |
| RESERVE-10 COPS                   | 9010         | STATE OF CALIFORNIA |                      |               | 8,057.82             | 8,057.82             | 8,057.82             | 0.010       |     | 0.010        | 1                    |
| RESERVE-10 BABS                   | 9011         | STATE OF CALIFORNIA |                      |               | 21,162.26            | 21,162.26            | 21,162.26            | 0.010       |     | 0.010        | 1                    |
| UBNA-2010 BOND                    | 9013         | STATE OF CALIFORNIA |                      | 07/01/2016    | 0.00                 | 0.00                 | 0.00                 |             |     | 0.000        | 1                    |
| UBNA-FLEX ACCT                    | 9014         | STATE OF CALIFORNIA |                      | 07/01/2016    | 36,025.08            | 36,025.08            | 36,025.08            |             |     | 0.000        | 1                    |
| <b>Average Balance</b>            |              |                     | <b>0.00</b>          |               |                      |                      |                      |             |     |              | <b>1</b>             |
| <b>Total Cash and Investments</b> |              |                     | <b>84,418,973.57</b> |               | <b>82,049,841.10</b> | <b>82,001,125.85</b> | <b>82,048,477.78</b> |             |     | <b>0.959</b> | <b>552</b>           |

**Month End  
GASB 31 Compliance Detail  
Sorted by Fund - Fund  
August 1, 2016 - August 31, 2016**

| CUSIP                      | Investment # | Fund | Investment Class | Maturity Date | Beginning Invested Value | Purchase of Principal | Addition to Principal | Redemption of Principal | Adjustment in Value     |                        | Ending Invested Value |
|----------------------------|--------------|------|------------------|---------------|--------------------------|-----------------------|-----------------------|-------------------------|-------------------------|------------------------|-----------------------|
|                            |              |      |                  |               |                          |                       |                       |                         | Amortization Adjustment | Change in Market Value |                       |
| <b>Fund: Treasury Fund</b> |              |      |                  |               |                          |                       |                       |                         |                         |                        |                       |
| 3134G9ZR1                  | 2360         | 99   | Fair Value       | 12/28/2018    | 1,999,180.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | -5,500.00              | 1,993,680.00          |
| 3134G8KL2                  | 2340         | 99   | Amortized        | 02/26/2019    | 2,000,000.00             | 0.00                  | 0.00                  | 2,000,000.00            | 0.00                    | 0.00                   | 0.00                  |
| 3134G9SL2                  | 2356         | 99   | Amortized        | 06/28/2019    | 2,000,000.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | 0.00                   | 2,000,000.00          |
| 3134G5A47                  | 2301         | 99   | Fair Value       | 12/30/2016    | 2,005,060.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | -1,140.00              | 2,003,920.00          |
| 3134G9D38                  | 2363         | 99   | Fair Value       | 12/29/2017    | 1,998,720.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | -3,380.00              | 1,995,340.00          |
| 3134G8Q44                  | 2344         | 99   | Fair Value       | 03/29/2019    | 2,000,520.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | -480.00                | 2,000,040.00          |
| 3134G8NM7                  | 2345         | 99   | Amortized        | 09/29/2017    | 2,000,000.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | 0.00                   | 2,000,000.00          |
| 3134G8ZM4                  | 2351         | 99   | Fair Value       | 04/29/2019    | 2,001,380.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | -2,240.00              | 1,999,140.00          |
| 3134G9GB7                  | 2353         | 99   | Fair Value       | 11/02/2018    | 2,000,000.00             | 0.00                  | 0.00                  | 2,000,000.00            | 0.00                    | 0.00                   | 0.00                  |
| 3134G9AF4                  | 2350         | 99   | Fair Value       | 04/26/2018    | 2,000,280.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | -220.00                | 2,000,060.00          |
| 3134G8WW5                  | 2349         | 99   | Fair Value       | 10/27/2017    | 2,000,360.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | -1,340.00              | 1,999,020.00          |
| 3134G9AW7                  | 2347         | 99   | Fair Value       | 04/26/2019    | 2,001,940.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | -2,420.00              | 1,999,520.00          |
| 3134G8XA2                  | 2348         | 99   | Fair Value       | 07/27/2018    | 2,001,440.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | -2,280.00              | 1,999,160.00          |
| 3136G34U6                  | 2367         | 99   | Fair Value       | 08/28/2019    | 0.00                     | 2,000,000.00          | 0.00                  | 0.00                    | 0.00                    | -3,540.00              | 1,996,460.00          |
| 3136G33N3                  | 2365         | 99   | Fair Value       | 08/28/2019    | 0.00                     | 2,705,000.00          | 0.00                  | 0.00                    | 0.00                    | -3,462.40              | 2,701,537.60          |
| 3136G23G0                  | 2304         | 99   | Fair Value       | 08/15/2017    | 2,000,300.00             | 0.00                  | 0.00                  | 2,000,000.00            | 0.00                    | -300.00                | 0.00                  |
| 3136G33N3                  | 2364         | 99   | Fair Value       | 08/28/2019    | 0.00                     | 1,030,000.00          | 0.00                  | 0.00                    | 0.00                    | -1,318.40              | 1,028,681.60          |
| 3136G33N3                  | 2366         | 99   | Fair Value       | 08/28/2019    | 0.00                     | 2,000,000.00          | 0.00                  | 0.00                    | 0.00                    | -2,560.00              | 1,997,440.00          |
| 3136G2ZW0                  | 2342         | 99   | Amortized        | 02/26/2019    | 1,030,000.00             | 0.00                  | 0.00                  | 1,030,000.00            | 0.00                    | 0.00                   | 0.00                  |
| 3136G2ZW0                  | 2343         | 99   | Fair Value       | 02/26/2019    | 2,705,595.10             | 0.00                  | 0.00                  | 2,705,000.00            | 0.00                    | -595.10                | 0.00                  |
| 3135G0YE7                  | 2286         | 99   | Fair Value       | 08/26/2016    | 2,000,460.00             | 0.00                  | 0.00                  | 2,000,000.00            | 0.00                    | -460.00                | 0.00                  |
| 3130A85A7                  | 2355         | 99   | Fair Value       | 02/26/2018    | 2,000,160.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | -640.00                | 1,999,520.00          |
| 3130A7WK7                  | 2352         | 99   | Fair Value       | 05/24/2019    | 2,005,440.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | -2,620.00              | 2,002,820.00          |
| 3130A8KR3                  | 2358         | 99   | Fair Value       | 07/06/2018    | 1,999,760.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | -2,820.00              | 1,996,940.00          |
| 3130A7H73                  | 2346         | 99   | Fair Value       | 03/29/2018    | 2,002,700.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | -1,840.00              | 2,000,860.00          |
| 3130A6UZ8                  | 2338         | 99   | Amortized        | 12/28/2018    | 2,000,000.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | 0.00                   | 2,000,000.00          |
| UNION OPERATING            | 9004         | 99   | Amortized        |               | 941,320.46               | 0.00                  | 1,388,768.38          | 553,989.45              | 0.00                    | 0.00                   | 1,776,099.39          |
| UBNA-2010 BOND             | 9013         | 99   | Amortized        |               | 0.00                     | 0.00                  | 0.00                  | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| PETTY CASH                 | 9003         | 99   | Amortized        |               | 2,950.00                 | 0.00                  | 0.00                  | 0.00                    | 0.00                    | 0.00                   | 2,950.00              |
| PAYROLL                    | 9005         | 99   | Amortized        |               | 27,861.29                | 0.00                  | 0.00                  | 0.00                    | 0.00                    | 0.00                   | 27,861.29             |

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Month End  
**GASB 31 Compliance Detail**  
 Sorted by Fund - Fund

| CUSIP                      | Investment # | Fund | Investment Class | Maturity Date | Beginning Invested Value | Purchase of Principal | Addition to Principal | Redemption of Principal | Adjustment in Value     |                        | Ending Invested Value |
|----------------------------|--------------|------|------------------|---------------|--------------------------|-----------------------|-----------------------|-------------------------|-------------------------|------------------------|-----------------------|
|                            |              |      |                  |               |                          |                       |                       |                         | Amortization Adjustment | Change in Market Value |                       |
| <b>Fund: Treasury Fund</b> |              |      |                  |               |                          |                       |                       |                         |                         |                        |                       |
| RESERVE-10 COPS            | 9010         | 99   | Amortized        |               | 2,263.76                 | 0.00                  | 5,794.06              | 0.00                    | 0.00                    | 0.00                   | 8,057.82              |
| LAIF BABS 2010             | 9012         | 99   | Fair Value       |               | 0.00                     | 0.00                  | 0.00                  | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| UBNA-FLEX ACCT             | 9014         | 99   | Amortized        |               | 42,782.77                | 0.00                  | 0.00                  | 6,757.69                | 0.00                    | 0.00                   | 36,025.08             |
| UNION MONEY                | 9002         | 99   | Amortized        |               | 2,025,006.69             | 0.00                  | 13,634,759.16         | 15,649,756.69           | 0.00                    | 0.00                   | 10,009.16             |
| RESERVE-10 BABS            | 9011         | 99   | Amortized        |               | 5,945.58                 | 0.00                  | 15,216.68             | 0.00                    | 0.00                    | 0.00                   | 21,162.26             |
| LAIF                       | 9001         | 99   | Fair Value       |               | 5,343,692.04             | 0.00                  | 9,500,000.00          | 5,900,000.00            | 0.00                    | 2,236.40               | 8,945,928.44          |
| 3133EGJU0                  | 2362         | 99   | Fair Value       | 07/05/2018    | 1,997,660.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | -4,320.00              | 1,993,340.00          |
| 3133EGJR7                  | 2361         | 99   | Amortized        | 07/05/2019    | 2,000,000.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | 0.00                   | 2,000,000.00          |
| 3133EGGS8                  | 2359         | 99   | Fair Value       | 06/27/2019    | 2,000,320.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | -4,840.00              | 1,995,480.00          |
| 3133EEC73                  | 2329         | 99   | Amortized        | 03/27/2017    | 1,998,438.14             | 0.00                  | 0.00                  | 0.00                    | 198.54                  | 0.00                   | 1,998,636.68          |
| 3133EGCZ6                  | 2357         | 99   | Fair Value       | 06/06/2019    | 2,005,680.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | -2,720.00              | 2,002,960.00          |
| 3133EGBG9                  | 2354         | 99   | Fair Value       | 08/23/2018    | 2,000,460.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | -2,300.00              | 1,998,160.00          |
| 3133EEYE4                  | 2320         | 99   | Fair Value       | 01/16/2018    | 2,000,000.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | -1,840.00              | 1,998,160.00          |
| 2050003183-7               | 2341         | 99   | Amortized        | 01/22/2018    | 81,833.21                | 0.00                  | 0.00                  | 0.00                    | 0.00                    | 0.00                   | 81,833.21             |
| 3135G0G64                  | 2336         | 99   | Amortized        | 10/29/2018    | 2,000,000.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | 0.00                   | 2,000,000.00          |
| 3136G2R665                 | 2334         | 99   | Amortized        | 11/19/2018    | 2,000,000.00             | 0.00                  | 0.00                  | 0.00                    | 0.00                    | 0.00                   | 2,000,000.00          |
| SD COUNTY POOL             | 9007         | 99   | Fair Value       |               | 13,410,000.00            | 0.00                  | 0.00                  | 0.00                    | 0.00                    | -16,000.00             | 13,394,000.00         |
| <b>Subtotal</b>            |              |      |                  |               | <b>83,639,509.04</b>     | <b>7,735,000.00</b>   | <b>24,544,538.28</b>  | <b>33,845,503.83</b>    | <b>198.54</b>           | <b>-68,939.50</b>      | <b>82,004,802.53</b>  |
| <b>Total</b>               |              |      |                  |               | <b>83,639,509.04</b>     | <b>7,735,000.00</b>   | <b>24,544,538.28</b>  | <b>33,845,503.83</b>    | <b>198.54</b>           | <b>-68,939.50</b>      | <b>82,004,802.53</b>  |

**Month End  
Activity Report  
Sorted By Issuer  
August 1, 2016 - August 31, 2016**

| CUSIP                                      | Investment # | Issuer              | Percent<br>of Portfolio | Par Value            |                     | Transaction<br>Date | Par Value                |                               | Ending<br>Balance    |
|--|--------------|---------------------|-------------------------|----------------------|---------------------|---------------------|--------------------------|-------------------------------|----------------------|
|  |              |                     |                         | Beginning<br>Balance | Current<br>Rate     |                     | Purchases or<br>Deposits | Redemptions or<br>Withdrawals |                      |
| <b>Issuer: STATE OF CALIFORNIA</b>         |              |                     |                         |                      |                     |                     |                          |                               |                      |
| <b>Union Bank</b>                          |              |                     |                         |                      |                     |                     |                          |                               |                      |
| UNION MONEY                                | 9002         | STATE OF CALIFORNIA |                         |                      | 0.010               |                     | 13,634,759.16            | 15,649,756.69                 |                      |
| UNION OPERATING                            | 9004         | STATE OF CALIFORNIA |                         |                      | 0.400               |                     | 1,388,768.38             | 553,989.45                    |                      |
| RESERVE-10 COPS                            | 9010         | STATE OF CALIFORNIA |                         |                      | 0.010               |                     | 5,794.06                 | 0.00                          |                      |
| RESERVE-10 BABS                            | 9011         | STATE OF CALIFORNIA |                         |                      | 0.010               |                     | 15,216.68                | 0.00                          |                      |
| UBNA-FLEX ACCT                             | 9014         | STATE OF CALIFORNIA |                         |                      |                     |                     | 0.00                     | 6,757.69                      |                      |
| <b>Subtotal and Balance</b>                |              |                     |                         | <b>3,048,130.55</b>  |                     |                     | <b>15,044,538.28</b>     | <b>16,210,503.83</b>          | <b>1,882,165.00</b>  |
| <b>Local Agency Investment Fund (LAIF)</b> |              |                     |                         |                      |                     |                     |                          |                               |                      |
| LAIF                                       | 9001         | STATE OF CALIFORNIA |                         |                      | 0.614               |                     | 9,500,000.00             | 5,900,000.00                  |                      |
| <b>Subtotal and Balance</b>                |              |                     |                         | <b>5,340,374.48</b>  |                     |                     | <b>9,500,000.00</b>      | <b>5,900,000.00</b>           | <b>8,940,374.48</b>  |
| <b>Issuer Subtotal</b>                     |              |                     |                         | <b>13.190%</b>       | <b>8,388,505.03</b> |                     | <b>24,544,538.28</b>     | <b>22,110,503.83</b>          | <b>10,822,539.48</b> |
| <b>Issuer: California Bank &amp; Trust</b> |              |                     |                         |                      |                     |                     |                          |                               |                      |
| <b>Certificates of Deposit - Bank</b>      |              |                     |                         |                      |                     |                     |                          |                               |                      |
| <b>Subtotal and Balance</b>                |              |                     |                         | <b>81,833.21</b>     |                     |                     |                          |                               | <b>81,833.21</b>     |
| <b>Issuer Subtotal</b>                     |              |                     |                         | <b>0.100%</b>        | <b>81,833.21</b>    |                     | <b>0.00</b>              | <b>0.00</b>                   | <b>81,833.21</b>     |
| <b>Issuer: Fannie Mae</b>                  |              |                     |                         |                      |                     |                     |                          |                               |                      |
| <b>Federal Agency Issues- Callable</b>     |              |                     |                         |                      |                     |                     |                          |                               |                      |
| <b>Subtotal and Balance</b>                |              |                     |                         | <b>4,000,000.00</b>  |                     |                     |                          |                               | <b>4,000,000.00</b>  |
| <b>Issuer Subtotal</b>                     |              |                     |                         | <b>4.875%</b>        | <b>4,000,000.00</b> |                     | <b>0.00</b>              | <b>0.00</b>                   | <b>4,000,000.00</b>  |
| <b>Issuer: Federal Farm Credit Bank</b>    |              |                     |                         |                      |                     |                     |                          |                               |                      |
| <b>Federal Agency Issues- Callable</b>     |              |                     |                         |                      |                     |                     |                          |                               |                      |
| <b>Subtotal and Balance</b>                |              |                     |                         | <b>12,000,000.00</b> |                     |                     |                          |                               | <b>12,000,000.00</b> |

Data Updated: SET\_ME8: 09/22/2016 09:33

Run Date: 09/22/2016 - 09:34

Portfolio OTAY  
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DA (PRF\_DA) 7.2.0  
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Month End  
Activity Report  
August 1, 2016 - August 31, 2016

| CUSIP  | Investment # | Issuer                          | Percent of Portfolio | Par Value         |       | Current Rate | Transaction Date | Par Value             |                            | Ending Balance |
|--|--------------|---------------------------------|----------------------|-------------------|-------|--------------|------------------|-----------------------|----------------------------|----------------|
|  |              |                                 |                      | Beginning Balance |       |              |                  | Purchases or Deposits | Redemptions or Withdrawals |                |
| <b>Issuer: Federal Farm Credit Bank</b>        |              |                                 |                      |                   |       |              |                  |                       |                            |                |
| <b>Federal Agency Issues - Coupon</b>          |              |                                 |                      |                   |       |              |                  |                       |                            |                |
|  |              |                                 |                      | 2,000,000.00      |       |              |                  |                       |                            | 2,000,000.00   |
|  |              |                                 |                      | 14,000,000.00     |       |              |                  | 0.00                  | 0.00                       | 14,000,000.00  |
|  |              |                                 | 17.063%              |                   |       |              |                  |                       |                            |                |
| <b>Issuer: Federal Home Loan Bank</b>          |              |                                 |                      |                   |       |              |                  |                       |                            |                |
| <b>Federal Agency Issues- Callable</b>         |              |                                 |                      |                   |       |              |                  |                       |                            |                |
|  |              |                                 |                      | 10,000,000.00     |       |              |                  |                       |                            | 10,000,000.00  |
|  |              |                                 |                      | 10,000,000.00     |       |              |                  | 0.00                  | 0.00                       | 10,000,000.00  |
|  |              |                                 | 12.188%              |                   |       |              |                  |                       |                            |                |
| <b>Issuer: Federal Home Loan Mortgage</b>      |              |                                 |                      |                   |       |              |                  |                       |                            |                |
| <b>Federal Agency Issues- Callable</b>         |              |                                 |                      |                   |       |              |                  |                       |                            |                |
| 3134G8KL2                                      | 2340         | Federal Home Loan Mortgage      |                      |                   | 1.300 | 08/26/2016   |                  | 0.00                  | 2,000,000.00               |                |
| 3134G9GB7                                      | 2353         | Federal Home Loan Mortgage      |                      |                   | 1.200 | 08/02/2016   |                  | 0.00                  | 2,000,000.00               |                |
|  |              |                                 |                      | 26,000,000.00     |       |              |                  | 0.00                  | 4,000,000.00               | 22,000,000.00  |
|  |              |                                 |                      | 26,000,000.00     |       |              |                  | 0.00                  | 4,000,000.00               | 22,000,000.00  |
|  |              |                                 | 26.813%              |                   |       |              |                  |                       |                            |                |
| <b>Issuer: Federal National Mortgage Assoc</b> |              |                                 |                      |                   |       |              |                  |                       |                            |                |
| <b>Federal Agency Issues- Callable</b>         |              |                                 |                      |                   |       |              |                  |                       |                            |                |
| 3136G23G0                                      | 2304         | Federal National Mortgage Assoc |                      |                   | 1.050 | 08/15/2016   |                  | 0.00                  | 2,000,000.00               |                |
| 3136G2ZW0                                      | 2342         | Federal National Mortgage Assoc |                      |                   | 1.125 | 08/26/2016   |                  | 0.00                  | 1,030,000.00               |                |
| 3136G2ZW0                                      | 2343         | Federal National Mortgage Assoc |                      |                   | 1.125 | 08/26/2016   |                  | 0.00                  | 2,705,000.00               |                |
| 3136G33N3                                      | 2364         | Federal National Mortgage Assoc |                      |                   | 1.125 | 08/30/2016   | 1,030,000.00     |                       | 0.00                       |                |
| 3136G33N3                                      | 2365         | Federal National Mortgage Assoc |                      |                   | 1.125 | 08/30/2016   | 2,705,000.00     |                       | 0.00                       |                |
| 3136G33N3                                      | 2366         | Federal National Mortgage Assoc |                      |                   | 1.125 | 08/30/2016   | 2,000,000.00     |                       | 0.00                       |                |
| 3136G34U6                                      | 2367         | Federal National Mortgage Assoc |                      |                   | 1.125 | 08/30/2016   | 2,000,000.00     |                       | 0.00                       |                |
|  |              |                                 |                      | 5,735,000.00      |       |              |                  | 7,735,000.00          | 5,735,000.00               | 7,735,000.00   |
| <b>Federal Agency Issues - Coupon</b>          |              |                                 |                      |                   |       |              |                  |                       |                            |                |
| 3135G0YE7                                      | 2286         | Federal National Mortgage Assoc |                      |                   | 0.625 | 08/26/2016   |                  | 0.00                  | 2,000,000.00               |                |
|  |              |                                 |                      | 2,000,000.00      |       |              |                  | 0.00                  | 2,000,000.00               | 0.00           |

Month End  
Activity Report  
August 1, 2016 - August 31, 2016

| CUSIP                           | Investment # | Issuer                 | Percent of Portfolio | Par Value            |              | Transaction Date | Par Value             |                            | Ending Balance       |
|---------------------------------|--------------|------------------------|----------------------|----------------------|--------------|------------------|-----------------------|----------------------------|----------------------|
|                                 |              |                        |                      | Beginning Balance    | Current Rate |                  | Purchases or Deposits | Redemptions or Withdrawals |                      |
|                                 |              | <b>Issuer Subtotal</b> | <b>9.427%</b>        | <b>7,735,000.00</b>  |              |                  | <b>7,735,000.00</b>   | <b>7,735,000.00</b>        | <b>7,735,000.00</b>  |
| <b>Issuer: San Diego County</b> |              |                        |                      |                      |              |                  |                       |                            |                      |
| <b>San Diego County Pool</b>    |              |                        |                      |                      |              |                  |                       |                            |                      |
|                                 |              |                        |                      | <b>13,410,468.41</b> |              |                  |                       |                            | <b>13,410,468.41</b> |
|                                 |              | <b>Issuer Subtotal</b> | <b>16.344%</b>       | <b>13,410,468.41</b> |              |                  | <b>0.00</b>           | <b>0.00</b>                | <b>13,410,468.41</b> |
|                                 |              | <b>Total</b>           | <b>100.000%</b>      | <b>83,615,806.65</b> |              |                  | <b>32,279,538.28</b>  | <b>33,845,503.83</b>       | <b>82,049,841.10</b> |

**Month End  
Duration Report  
Sorted by Investment Type - Investment Type  
Through 08/31/2016**

| Security ID | Investment # | Fund | Issuer                          | Investment Class | Book Value   | Par Value    | Market Value | Current Rate | YTM 360 | Current Yield | Maturity/ Call Date | Modified Duration |
|-------------|--------------|------|---------------------------------|------------------|--------------|--------------|--------------|--------------|---------|---------------|---------------------|-------------------|
| 3134G5A47   | 2301         | 99   | Federal Home Loan Mortgage      | Fair             | 2,000,000.00 | 2,000,000.00 | 2,003,920.00 | .6500000     | 0.641   | 0.257         | 12/30/2016          | 0.328             |
| 3133EYE4    | 2320         | 99   | Federal Farm Credit Bank        | Fair             | 2,000,000.00 | 2,000,000.00 | 1,998,160.00 | 1.000000     | 0.986   | 1.068         | 01/16/2018          | 1.045             |
| 3136G2R665  | 2334         | 99   | Fannie Mae                      | Amort            | 2,000,000.00 | 2,000,000.00 | 2,001,520.00 | 1.150000     | 1.134   | 1.115         | 11/19/2018          | 2.174             |
| 3135G0G64   | 2336         | 99   | Fannie Mae                      | Amort            | 2,000,000.00 | 2,000,000.00 | 1,993,080.00 | 1.100000     | 1.085   | 1.263         | 10/29/2018          | 2.120             |
| 3130A6UZ8   | 2338         | 99   | Federal Home Loan Bank          | Amort            | 2,000,000.00 | 2,000,000.00 | 2,003,240.00 | 1.375000     | 1.356   | 1.304         | 12/28/2018          | 2.276             |
| 3134G8Q44   | 2344         | 99   | Federal Home Loan Mortgage      | Fair             | 2,000,000.00 | 2,000,000.00 | 2,000,040.00 | 1.350000     | 1.332   | 1.349         | 03/29/2019          | 2.510             |
| 3134G8NM7   | 2345         | 99   | Federal Home Loan Mortgage      | Amort            | 2,000,000.00 | 2,000,000.00 | 2,000,160.00 | .8500000     | 0.838   | 0.843         | 09/29/2017          | 1.067             |
| 3130A7H73   | 2346         | 99   | Federal Home Loan Bank          | Fair             | 2,000,000.00 | 2,000,000.00 | 2,000,860.00 | 1.000000     | 0.986   | 0.973         | 03/29/2018          | 1.554             |
| 3134G9AW7   | 2347         | 99   | Federal Home Loan Mortgage      | Fair             | 2,000,000.00 | 2,000,000.00 | 1,999,520.00 | 1.150000     | 1.134   | 1.159         | 04/26/2019          | 2.595             |
| 3134G8XA2   | 2348         | 99   | Federal Home Loan Mortgage      | Fair             | 2,000,000.00 | 2,000,000.00 | 1,999,160.00 | 1.000000     | 0.986   | 1.022         | 07/27/2018          | 1.875             |
| 3134G8WW5   | 2349         | 99   | Federal Home Loan Mortgage      | Fair             | 2,000,000.00 | 2,000,000.00 | 1,999,020.00 | .8500000     | 0.838   | 0.893         | 10/27/2017          | 1.144             |
| 3134G9AF4   | 2350         | 99   | Federal Home Loan Mortgage      | Fair             | 2,000,000.00 | 2,000,000.00 | 2,000,060.00 | 1.050000     | 1.036   | 1.048         | 04/26/2018          | 1.628             |
| 3134G8ZM4   | 2351         | 99   | Federal Home Loan Mortgage      | Fair             | 2,000,000.00 | 2,000,000.00 | 1,999,140.00 | 1.300000     | 1.282   | 1.317         | 04/29/2019          | 2.596             |
| 3130A7WK7   | 2352         | 99   | Federal Home Loan Bank          | Fair             | 2,000,000.00 | 2,000,000.00 | 2,002,820.00 | 1.250000     | 1.233   | 1.198         | 05/24/2019          | 2.668             |
| 3133EGBG9   | 2354         | 99   | Federal Farm Credit Bank        | Fair             | 2,000,000.00 | 2,000,000.00 | 1,998,160.00 | 1.000000     | 0.986   | 1.047         | 08/23/2018          | 1.952             |
| 3130A85A7   | 2355         | 99   | Federal Home Loan Bank          | Fair             | 2,000,000.00 | 2,000,000.00 | 1,999,520.00 | .9000000     | 0.888   | 0.948         | 02/26/2018          | 1.472             |
| 3134G9SL2   | 2356         | 99   | Federal Home Loan Mortgage      | Amort            | 2,000,000.00 | 2,000,000.00 | 2,002,120.00 | 1.300000     | 1.282   | 1.262         | 06/28/2019          | 2.760             |
| 3133EGCZ6   | 2357         | 99   | Federal Farm Credit Bank        | Fair             | 2,000,000.00 | 2,000,000.00 | 2,002,960.00 | 1.300000     | 1.282   | 1.246         | 06/06/2019          | 2.698             |
| 3130A8KR3   | 2358         | 99   | Federal Home Loan Bank          | Fair             | 2,000,000.00 | 2,000,000.00 | 1,996,940.00 | .8200000     | 0.809   | 0.904         | 07/06/2018          | 1.826             |
| 3133EGGS8   | 2359         | 99   | Federal Farm Credit Bank        | Fair             | 2,000,000.00 | 2,000,000.00 | 1,995,480.00 | 1.200000     | 1.184   | 1.282         | 06/27/2019          | 2.759             |
| 3134G9ZR1   | 2360         | 99   | Federal Home Loan Mortgage      | Fair             | 2,000,000.00 | 2,000,000.00 | 1,993,680.00 | 1.000000     | 0.986   | 1.138         | 12/28/2018          | 2.287             |
| 3133EGJR7   | 2361         | 99   | Federal Farm Credit Bank        | Amort            | 2,000,000.00 | 2,000,000.00 | 1,995,680.00 | 1.020000     | 1.006   | 1.097         | 07/05/2019          | 2.791             |
| 3133EGJU0   | 2362         | 99   | Federal Farm Credit Bank        | Fair             | 2,000,000.00 | 2,000,000.00 | 1,993,340.00 | .8200000     | 0.809   | 1.003         | 07/05/2018          | 1.823             |
| 3134G9D38   | 2363         | 99   | Federal Home Loan Mortgage      | Fair             | 2,000,000.00 | 2,000,000.00 | 1,995,340.00 | .7000000     | 0.690   | 0.877         | 12/29/2017          | 1.316             |
| 3136G33N3   | 2364         | 99   | Federal National Mortgage Assoc | Fair             | 1,030,000.00 | 1,030,000.00 | 1,028,681.60 | 1.125000     | 1.110   | 1.169         | 08/28/2019          | 2.933             |
| 3136G33N3   | 2365         | 99   | Federal National Mortgage Assoc | Fair             | 2,705,000.00 | 2,705,000.00 | 2,701,537.60 | 1.125000     | 1.110   | 1.169         | 08/28/2019          | 2.933             |
| 3136G33N3   | 2366         | 99   | Federal National Mortgage Assoc | Fair             | 2,000,000.00 | 2,000,000.00 | 1,997,440.00 | 1.125000     | 1.110   | 1.169         | 08/28/2019          | 2.933             |
| 3136G34U6   | 2367         | 99   | Federal National Mortgage Assoc | Fair             | 2,000,000.00 | 2,000,000.00 | 1,996,460.00 | 1.125000     | 1.110   | 1.185         | 08/28/2019          | 2.933             |

**Month End  
Duration Report  
Sorted by Investment Type - Investment Type  
Through 08/31/2016**

| Security ID         | Investment # | Fund | Issuer                   | Investment Class | Book Value           | Par Value            | Market Value         | Current Rate | YTM 360 | Current Yield | Maturity/ Call Date | Modified Duration |
|---------------------|--------------|------|--------------------------|------------------|----------------------|----------------------|----------------------|--------------|---------|---------------|---------------------|-------------------|
| 3133EEC73           | 2329         | 99   | Federal Farm Credit Bank | Amort            | 1,998,636.68         | 2,000,000.00         | 1,999,160.00         | .5500000     | 0.661   | 0.624         | 03/27/2017          | 0.568             |
| 2050003183-7        | 2341         | 99   | California Bank & Trust  | Amort            | 81,833.21            | 81,833.21            | 81,833.21            | .0300000     | 0.030   | 0.030         | 01/22/2018          | 1.390 †           |
| LAIF                | 9001         | 99   | STATE OF CALIFORNIA      | Fair             | 8,940,374.48         | 8,940,374.48         | 8,945,928.44         | .6140000     | 0.606   | 0.614         |                     | 0.000             |
| LAIF BABS 2010      | 9012         | 99   | STATE OF CALIFORNIA      | Fair             | 0.00                 | 0.00                 | 0.00                 | .2670000     | 0.263   | 0.267         |                     | 0.000             |
| SD COUNTY           | 9007         | 99   | San Diego County         | Fair             | 13,410,468.41        | 13,410,468.41        | 13,394,000.00        | .9040000     | 0.892   | 0.904         |                     | 0.000             |
| <b>Report Total</b> |              |      |                          |                  | <b>80,166,312.78</b> | <b>80,167,676.10</b> | <b>80,118,960.85</b> |              |         | <b>0.987</b>  |                     | <b>1.477 †</b>    |

† = Duration can not be calculated on these investments due to incomplete Market price data.

**Month End  
Interest Earnings  
Sorted by Fund - Fund  
August 1, 2016 - August 31, 2016  
Yield on Beginning Book Value**

| CUSIP                      | Investment # | Fund | Security Type | Ending Par Value | Beginning Book Value | Ending Book Value | Maturity Date | Current Annualized Rate | Annualized Yield | Adjusted Interest Earnings |                         |                            |
|----------------------------|--------------|------|---------------|------------------|----------------------|-------------------|---------------|-------------------------|------------------|----------------------------|-------------------------|----------------------------|
|                            |              |      |               |                  |                      |                   |               |                         |                  | Interest Earned            | Amortization/ Accretion | Adjusted Interest Earnings |
| <b>Fund: Treasury Fund</b> |              |      |               |                  |                      |                   |               |                         |                  |                            |                         |                            |
| 3134G9ZR1                  | 2360         | 99   | MC1           | 2,000,000.00     | 2,000,000.00         | 2,000,000.00      | 12/28/2018    | 1.000                   | 0.981            | 1,666.67                   | 0.00                    | 1,666.67                   |
| 3134G8KL2                  | 2340         | 99   | MC1           | 0.00             | 2,000,000.00         | 0.00              | 02/26/2019    | 1.300                   | 1.318            | 1,805.56                   | 0.00                    | 1,805.56                   |
| 3134G9SL2                  | 2356         | 99   | MC1           | 2,000,000.00     | 2,000,000.00         | 2,000,000.00      | 06/28/2019    | 1.300                   | 1.276            | 2,166.67                   | 0.00                    | 2,166.67                   |
| 3134G5A47                  | 2301         | 99   | MC1           | 2,000,000.00     | 2,000,000.00         | 2,000,000.00      | 12/30/2016    | 0.650                   | 0.638            | 1,083.34                   | 0.00                    | 1,083.34                   |
| 3134G9D38                  | 2363         | 99   | MC1           | 2,000,000.00     | 2,000,000.00         | 2,000,000.00      | 12/29/2017    | 0.700                   | 0.687            | 1,166.67                   | 0.00                    | 1,166.67                   |
| 3134G8Q44                  | 2344         | 99   | MC1           | 2,000,000.00     | 2,000,000.00         | 2,000,000.00      | 03/29/2019    | 1.350                   | 1.325            | 2,250.00                   | 0.00                    | 2,250.00                   |
| 3134G8NM7                  | 2345         | 99   | MC1           | 2,000,000.00     | 2,000,000.00         | 2,000,000.00      | 09/29/2017    | 0.850                   | 0.834            | 1,416.67                   | 0.00                    | 1,416.67                   |
| 3134G8ZM4                  | 2351         | 99   | MC1           | 2,000,000.00     | 2,000,000.00         | 2,000,000.00      | 04/29/2019    | 1.300                   | 1.276            | 2,166.67                   | 0.00                    | 2,166.67                   |
| 3134G9GB7                  | 2353         | 99   | MC1           | 0.00             | 2,000,000.00         | 0.00              | 11/02/2018    | 1.200                   | 1.217            | 66.67                      | 0.00                    | 66.67                      |
| 3134G9AF4                  | 2350         | 99   | MC1           | 2,000,000.00     | 2,000,000.00         | 2,000,000.00      | 04/26/2018    | 1.050                   | 1.030            | 1,750.00                   | 0.00                    | 1,750.00                   |
| 3134G8VW5                  | 2349         | 99   | MC1           | 2,000,000.00     | 2,000,000.00         | 2,000,000.00      | 10/27/2017    | 0.850                   | 0.834            | 1,416.67                   | 0.00                    | 1,416.67                   |
| 3134G9AW7                  | 2347         | 99   | MC1           | 2,000,000.00     | 2,000,000.00         | 2,000,000.00      | 04/26/2019    | 1.150                   | 1.128            | 1,916.67                   | 0.00                    | 1,916.67                   |
| 3134G8XA2                  | 2348         | 99   | MC1           | 2,000,000.00     | 2,000,000.00         | 2,000,000.00      | 07/27/2018    | 1.000                   | 0.981            | 1,666.67                   | 0.00                    | 1,666.67                   |
| 3136G34U6                  | 2367         | 99   | MC1           | 2,000,000.00     | 0.00                 | 2,000,000.00      | 08/28/2019    | 1.125                   | 0.570            | 62.50                      | 0.00                    | 62.50                      |
| 3136G33N3                  | 2365         | 99   | MC1           | 2,705,000.00     | 0.00                 | 2,705,000.00      | 08/28/2019    | 1.125                   | 0.570            | 84.53                      | 0.00                    | 84.53                      |
| 3136G23G0                  | 2304         | 99   | MC1           | 0.00             | 2,000,000.00         | 0.00              | 08/15/2017    | 1.050                   | 1.065            | 816.67                     | 0.00                    | 816.67                     |
| 3136G33N3                  | 2364         | 99   | MC1           | 1,030,000.00     | 0.00                 | 1,030,000.00      | 08/28/2019    | 1.125                   | 0.570            | 32.19                      | 0.00                    | 32.19                      |
| 3136G33N3                  | 2366         | 99   | MC1           | 2,000,000.00     | 0.00                 | 2,000,000.00      | 08/28/2019    | 1.125                   | 0.570            | 62.50                      | 0.00                    | 62.50                      |
| 3136G2ZW0                  | 2342         | 99   | MC1           | 0.00             | 1,030,000.00         | 0.00              | 02/26/2019    | 1.125                   | 1.141            | 804.69                     | 0.00                    | 804.69                     |
| 3136G2ZW0                  | 2343         | 99   | MC1           | 0.00             | 2,705,000.00         | 0.00              | 02/26/2019    | 1.125                   | 1.141            | 2,113.29                   | 0.00                    | 2,113.29                   |
| 3135G0YE7                  | 2286         | 99   | FAC           | 0.00             | 2,000,080.92         | 0.00              | 08/26/2016    | 0.625                   | 0.575            | 868.05                     | -80.92                  | 787.13                     |
| 3130A85A7                  | 2355         | 99   | MC1           | 2,000,000.00     | 2,000,000.00         | 2,000,000.00      | 02/26/2018    | 0.900                   | 0.883            | 1,500.00                   | 0.00                    | 1,500.00                   |
| 3130A7WK7                  | 2352         | 99   | MC1           | 2,000,000.00     | 2,000,000.00         | 2,000,000.00      | 05/24/2019    | 1.250                   | 1.226            | 2,083.33                   | 0.00                    | 2,083.33                   |
| 3130A8KR3                  | 2358         | 99   | MC1           | 2,000,000.00     | 2,000,000.00         | 2,000,000.00      | 07/06/2018    | 0.820                   | 0.805            | 1,366.67                   | 0.00                    | 1,366.67                   |
| 3130A7H73                  | 2346         | 99   | MC1           | 2,000,000.00     | 2,000,000.00         | 2,000,000.00      | 03/29/2018    | 1.000                   | 0.981            | 1,666.66                   | 0.00                    | 1,666.66                   |
| 3130A6UZ8                  | 2338         | 99   | MC1           | 2,000,000.00     | 2,000,000.00         | 2,000,000.00      | 12/28/2018    | 1.375                   | 1.349            | 2,291.67                   | 0.00                    | 2,291.67                   |
| UNION OPERATING            | 9004         | 99   | PA1           | 1,776,099.39     | 941,320.46           | 1,776,099.39      |               | 0.400                   | 0.982            | 785.22                     | 0.00                    | 785.22                     |
| RESERVE-10 COPS            | 9010         | 99   | PA1           | 8,057.82         | 2,263.76             | 8,057.82          |               | 0.010                   | 0.016            | 0.03                       | 0.00                    | 0.03                       |
| UNION MONEY                | 9002         | 99   | PA1           | 10,009.16        | 2,025,006.69         | 10,009.16         |               | 0.010                   | 0.005            | 9.04                       | 0.00                    | 9.04                       |

Data Updated: SET\_ME8: 09/22/2016 09:33  
Run Date: 09/22/2016 - 09:34

Portfolio OTAY  
NLI AP  
IE (PRF\_IE) 7.2.0  
Report Ver. 7.3.5

**Month End  
Interest Earnings  
August 1, 2016 - August 31, 2016**

| CUSIP                      | Investment # | Fund | Security Type | Ending Par Value     | Beginning Book Value | Ending Book Value    | Maturity Date | Current Annualized Rate | Annualized Yield | Adjusted Interest Earnings |                         |                            |
|----------------------------|--------------|------|---------------|----------------------|----------------------|----------------------|---------------|-------------------------|------------------|----------------------------|-------------------------|----------------------------|
|                            |              |      |               |                      |                      |                      |               |                         |                  | Interest Earned            | Amortization/ Accretion | Adjusted Interest Earnings |
| <b>Fund: Treasury Fund</b> |              |      |               |                      |                      |                      |               |                         |                  |                            |                         |                            |
| RESERVE-10 BABS            | 9011         | 99   | PA1           | 21,162.26            | 5,945.58             | 21,162.26            |               | 0.010                   | 0.016            | 0.08                       | 0.00                    | 0.08                       |
| LAIF                       | 9001         | 99   | LA1           | 8,940,374.48         | 5,340,374.48         | 8,940,374.48         |               | 0.614                   | 1.123            | 5,092.86                   | 0.00                    | 5,092.86                   |
| 3133EGJU0                  | 2362         | 99   | MC1           | 2,000,000.00         | 2,000,000.00         | 2,000,000.00         | 07/05/2018    | 0.820                   | 0.805            | 1,366.67                   | 0.00                    | 1,366.67                   |
| 3133EGJR7                  | 2361         | 99   | MC1           | 2,000,000.00         | 2,000,000.00         | 2,000,000.00         | 07/05/2019    | 1.020                   | 1.001            | 1,700.00                   | 0.00                    | 1,700.00                   |
| 3133EGGS8                  | 2359         | 99   | MC1           | 2,000,000.00         | 2,000,000.00         | 2,000,000.00         | 06/27/2019    | 1.200                   | 1.177            | 2,000.00                   | 0.00                    | 2,000.00                   |
| 3133EEC73                  | 2329         | 99   | FAC           | 2,000,000.00         | 1,998,438.14         | 1,998,636.68         | 03/27/2017    | 0.550                   | 0.657            | 916.67                     | 198.54                  | 1,115.21                   |
| 3133EGCZ6                  | 2357         | 99   | MC1           | 2,000,000.00         | 2,000,000.00         | 2,000,000.00         | 06/06/2019    | 1.300                   | 1.276            | 2,166.67                   | 0.00                    | 2,166.67                   |
| 3133EGBG9                  | 2354         | 99   | MC1           | 2,000,000.00         | 2,000,000.00         | 2,000,000.00         | 08/23/2018    | 1.000                   | 0.981            | 1,666.66                   | 0.00                    | 1,666.66                   |
| 3133EEYE4                  | 2320         | 99   | MC1           | 2,000,000.00         | 2,000,000.00         | 2,000,000.00         | 01/16/2018    | 1.000                   | 0.981            | 1,666.67                   | 0.00                    | 1,666.67                   |
| 2050003183-7               | 2341         | 99   | BCD           | 81,833.21            | 81,833.21            | 81,833.21            | 01/22/2018    | 0.030                   | 0.031            | 2.12                       | 0.00                    | 2.12                       |
| 3135G0G64                  | 2336         | 99   | MC1           | 2,000,000.00         | 2,000,000.00         | 2,000,000.00         | 10/29/2018    | 1.100                   | 1.079            | 1,833.33                   | 0.00                    | 1,833.33                   |
| 3136G2R665                 | 2334         | 99   | MC1           | 2,000,000.00         | 2,000,000.00         | 2,000,000.00         | 11/19/2018    | 1.150                   | 1.141            | 1,937.50                   | 0.00                    | 1,937.50                   |
| SD COUNTY POOL             | 9007         | 99   | LA3           | 13,410,468.41        | 13,410,468.41        | 13,410,468.41        |               | 0.904                   | 0.904            | 10,296.31                  | 0.00                    | 10,296.31                  |
| <b>Subtotal</b>            |              |      |               | <b>81,983,004.73</b> | <b>83,540,731.65</b> | <b>81,981,641.41</b> |               | <b>0.975</b>            |                  | <b>65,731.51</b>           | <b>117.62</b>           | <b>65,849.13</b>           |
| <b>Total</b>               |              |      |               | <b>81,983,004.73</b> | <b>83,540,731.65</b> | <b>81,981,641.41</b> |               | <b>0.975</b>            |                  | <b>65,731.51</b>           | <b>117.62</b>           | <b>65,849.13</b>           |



**STAFF REPORT**

|               |  |               |                 |
|---------------|--|---------------|-----------------|
| TYPE MEETING: | Regular Board  | MEETING DATE: | October 5, 2016 |
| SUBMITTED BY: | Rita Bell, Finance Manager, <i>RUB</i><br>Treasury & Accounting Services | W.O./G.F. NO: | DIV. NO.        |
| APPROVED BY:  | Joseph Beachem, Chief Financial Officer<br>(Chief)                       |               |                 |
| APPROVED BY:  | German Alvarez, Assistant General Manager<br>(Asst. GM)                  |               |                 |
| SUBJECT:      | Accounts Payable Demand List   |               |                 |

**PURPOSE:**

Attached is the list of demands for the Board's information.

**FISCAL IMPACT:**

| <b>SUMMARY FOR PERIOD 8/25/2016 - 9/21/2016</b>                      | <b>NET DEMANDS</b>      |
|--|-------------------------|
| CHECKS (2046640 - 2046786)   | \$ 1,477,246.65         |
| VOID CHECKS (1)  | (\$ 18,000.00)          |
| TOTAL CHECKS   | \$ 1,459,246.65         |
| WIRE TO:   |                         |
| CITY TREASURER - METROPOLITAN SEWERAGE SYSTEM (7/1/16-9/30/16)       | \$ 172,746.00           |
| CITY TREASURER - RECLAIMED WATER PURCHASE (JULY 2016)                | \$ 326,411.93           |
| OTAY WATER DISTRICT - BI-WEEKLY PAYROLL DEDUCTION                    | \$ 651.00               |
| OTAY WATER DISTRICT - BI-WEEKLY PAYROLL DEDUCTION                    | \$ 658.00               |
| PREFERRED BENEFIT INSURANCE - DENTAL & COBRA CLAIMS (AUG 2016)       | \$ 14,693.73            |
| SAN DIEGO COUNTY WATER AUTH - WATER DELIVERIES & CHARGES (JULY 2016) | \$ 4,044,200.66         |
| STATE DISBURSEMENT UNIT - BI-WEEKLY PAYROLL DEDUCTION                | \$ 237.69               |
| STATE DISBURSEMENT UNIT - BI-WEEKLY PAYROLL DEDUCTION                | \$ 621.22               |
| STATE DISBURSEMENT UNIT - BI-WEEKLY PAYROLL DEDUCTION                | \$ 237.69               |
| STATE DISBURSEMENT UNIT - BI-WEEKLY PAYROLL DEDUCTION                | \$ 621.22               |
| UNION BANK - BI-WEEKLY PAYROLL TAXES                                 | \$ 145,571.52           |
| UNION BANK - BI-WEEKLY PAYROLL TAXES                                 | \$ 149,748.11           |
| UNION BANK NA - COPS 1996 (ANNUAL)                                   | \$ 603,919.07           |
| UNION BANK NA - COPS 2007 (SEMI-ANNUAL)                              | \$ 1,579,692.31         |
| UNION BANK NA - COPS 2010 (SEMI-ANNUAL)                              | \$ 1,929,561.72         |
| UNION BANK NA - COPS 2013 (SEMI-ANNUAL)                              | \$ 752,096.07           |
| UNION BANK NA - ID 27 SERIES 2009 BONDS (SEMI-ANNUAL)                | \$ 674,406.25           |
| <b>TOTAL CASH DISBURSEMENTS</b>                                      | <b>\$ 11,855,320.84</b> |

**RECOMMENDED ACTION:**

That the Board received the attached list of demands.

Jb/Attachment

## CHECK REGISTER

## Otay Water District

Date Range: 8/25/2016 - 9/21/2016

| Check # | Date     | Vendor | Vendor Name                    | Invoice      | Inv. Date | Description                                 | Amount    | Check Total |
|---------|----------|--------|--------------------------------|--------------|-----------|---|-----------|-------------|
| 2046640 | 08/31/16 | 01910  | ABCANA INDUSTRIES              | 992451       | 08/11/16  | SODIUM HYPOCHLORITE                         | 1,920.89  | 6,271.71    |
|         |          |        |                                | 992452       | 08/11/16  | SODIUM HYPOCHLORITE                         | 1,306.21  |             |
|         |          |        |                                | 991787       | 08/04/16  | SODIUM HYPOCHLORITE                         | 1,168.86  |             |
|         |          |        |                                | 991786       | 08/04/16  | SODIUM HYPOCHLORITE                         | 776.04    |             |
|         |          |        |                                | 992363       | 08/10/16  | SODIUM HYPOCHLORITE                         | 566.66    |             |
|         |          |        |                                | 991761       | 08/03/16  | SODIUM HYPOCHLORITE                         | 533.05    |             |
| 2046745 | 09/21/16 | 01910  | ABCANA INDUSTRIES              | 993451       | 08/25/16  | SODIUM HYPOCHLORITE                         | 1,320.61  | 4,158.73    |
|         |          |        |                                | 993390       | 08/24/16  | SODIUM HYPOCHLORITE                         | 1,248.58  |             |
|         |          |        |                                | 993046       | 08/18/16  | SODIUM HYPOCHLORITE                         | 1,056.49  |             |
|         |          |        |                                | 993389       | 08/24/16  | SODIUM HYPOCHLORITE                         | 273.73    |             |
|         |          |        |                                | 993452       | 08/25/16  | SODIUM HYPOCHLORITE                         | 259.32    |             |
| 2046710 | 09/14/16 | 08488  | ABLEFORCE INC                  | 7064         | 09/12/16  | SHAREPOINT SERVICES (8/3/16-8/18/16)        | 675.00    | 675.00      |
| 2046711 | 09/14/16 | 12174  | AECOM TECHNICAL SERVICES INC   | 43           | 08/22/16  | DISINFECTION SYSTEM (ENDING 7/29/16)        | 31,692.66 | 31,692.66   |
| 2046641 | 08/31/16 | 11462  | AEGIS ENGINEERING MGMT INC     | 1416         | 08/04/16  | DEVELOPER PLAN REVIEW (7/1/16-7/29/16)      | 6,353.06  | 6,353.06    |
| 2046746 | 09/21/16 | 17534  | AIDA HILL                      | Ref002466738 | 09/20/16  | UB Refund Cst #0000203932                   | 214.40    | 214.40      |
| 2046642 | 08/31/16 | 15024  | AIRX UTILITY SURVEYORS INC     | 707312016    | 08/08/16  | UTILITY LOCATING SERVICES (7/16/16-7/31/16) | 8,293.00  | 8,293.00    |
| 2046747 | 09/21/16 | 17532  | ALBERTO ORTIZ                  | Ref002466736 | 09/20/16  | UB Refund Cst #0000197661                   | 9.54      | 9.54        |
| 2046671 | 09/07/16 | 17514  | ALICE MARIN                    | Ref002466557 | 09/01/16  | UB Refund Cst #0000203649                   | 13.74     | 13.74       |
| 2046712 | 09/14/16 | 14462  | ALYSON CONSULTING              | CM201655     | 08/08/16  | MGMT/INSP (7/1/16-7/31/16)                  | 8,960.00  | 19,240.00   |
|         |          |        |                                | CM201654     | 08/08/16  | MGMT/INSP (7/1/16-7/31/16)                  | 3,750.00  |             |
|         |          |        |                                | CM201653     | 08/08/16  | MGMT/INSP (7/1/16-7/31/16)                  | 3,450.00  |             |
|         |          |        |                                | CM201656     | 08/08/16  | MGMT/INSP (3/1/16-7/31/16)                  | 3,080.00  |             |
| 2046672 | 09/07/16 | 17510  | ANA BEAL                       | Ref002466553 | 09/01/16  | UB Refund Cst #0000161094                   | 357.41    | 357.41      |
| 2046673 | 09/07/16 | 17516  | ANGELA JOHNSON                 | Ref002466559 | 09/01/16  | UB Refund Cst #0000204925                   | 49.58     | 49.58       |
| 2046643 | 08/31/16 | 03492  | AQUA-METRIC SALES COMPANY      | 0061864IN    | 08/15/16  | LARGE SENSUS METERS                         | 31,207.02 | 31,207.02   |
| 2046674 | 09/07/16 | 17507  | ARTURO VILLEGAS                | Ref002466550 | 09/01/16  | UB Refund Cst #0000119417                   | 130.00    | 130.00      |
| 2046713 | 09/14/16 | 07785  | AT&T                           | 000008542693 | 09/02/16  | TELEPHONE SERVICES (8/2/16-9/1/16)          | 6,189.59  | 12,114.23   |
|         |          |        |                                | 000008412551 | 08/02/16  | TELEPHONE SERVICES (7/2/16-8/1/16)          | 5,924.64  |             |
| 2046714 | 09/14/16 | 17526  | BARBARA JONES                  | 3006083116   | 09/12/16  | CUSTOMER REFUND                             | 102.37    | 102.37      |
| 2046675 | 09/07/16 | 16559  | BARNHART-REESE CONSTRUCTION CO | Ref002466562 | 09/01/16  | UB Refund Cst #0000217562                   | 2,745.70  | 2,745.70    |
| 2046748 | 09/21/16 | 17529  | BEN WEST                       | Ref002466733 | 09/20/16  | UB Refund Cst #0000087606                   | 100.77    | 100.77      |
| 2046749 | 09/21/16 | 17536  | BREANNA MCDANIEL               | Ref002466740 | 09/20/16  | UB Refund Cst #0000208030                   | 13.26     | 13.26       |

## CHECK REGISTER

## Otay Water District

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| Check # | Date     | Vendor | Vendor Name                    | Invoice       | Inv. Date | Description                               | Amount   | Check Total |
|---------|----------|--------|--------------------------------|---------------|-----------|---|----------|-------------|
| 2046750 | 09/21/16 | 17540  | BRUCE MEYER                    | Ref002466744  | 09/20/16  | UB Refund Cst #0000223470                 | 23.98    | 23.98       |
| 2046715 | 09/14/16 | 02989  | CALIFORNIA MUNICIPAL           | 16081602      | 08/16/16  | DEBT STATEMENT                            | 500.00   | 500.00      |
| 2046644 | 08/31/16 | 02758  | CARMEL BUSINESS SYSTEMS INC    | 8060          | 08/05/16  | SCANNING SERVICES                         | 90.72    | 90.72       |
| 2046676 | 09/07/16 | 17504  | CARRIE DANIELSON               | Ref002466546  | 09/01/16  | UB Refund Cst #0000019546                 | 79.57    | 79.57       |
| 2046677 | 09/07/16 | 17520  | CASEY WATSON                   | Ref002466563  | 09/01/16  | UB Refund Cst #0000222227                 | 45.95    | 45.95       |
| 2046716 | 09/14/16 | 17022  | CASTLE ACCESS INC              | 0223092048    | 09/01/16  | COLOCATION SERVICES                       | 2,098.25 | 2,098.25    |
| 2046751 | 09/21/16 | 16746  | CH2M HILL ENGINEERS INC        | 381050974     | 12/16/15  | 2015 UWMP UPDATE (10/31/15-11/27/15)      | 2,243.64 | 2,243.64    |
| 2046678 | 09/07/16 | 17521  | CHARLES SAROSY                 | Ref002466564  | 09/01/16  | UB Refund Cst #0000223475                 | 235.37   | 235.37      |
| 2046752 | 09/21/16 | 15256  | CIGNA GROUP INSURANCE / LINA   | 9267091016    | 09/10/16  | AD&D & SUPP LIFE INS (SEPT 2016)          | 4,242.64 | 4,242.64    |
| 2046753 | 09/21/16 | 00446  | CITY OF CHULA VISTA            | 982016        | 09/15/16  | SPONSORSHIP                               | 1,000.00 | 1,000.00    |
| 2046679 | 09/07/16 | 15365  | CITY OF CHULA VISTA HARBORFEST | 81116         | 08/16/16  | SPONSORSHIP - HARBORFEST 2016             | 500.00   | 500.00      |
| 2046645 | 08/31/16 | 15616  | COGENT COMMUNICATIONS INC      | 0002080116    | 08/01/16  | INTERNET CIRCUITS (AUG 2016)              | 1,333.00 | 1,333.00    |
| 2046717 | 09/14/16 | 15616  | COGENT COMMUNICATIONS INC      | 0002090116    | 09/01/16  | INTERNET CIRCUITS (SEPT 2016)             | 2,641.94 | 2,641.94    |
| 2046718 | 09/14/16 | 05622  | CORRPRO COMPANIES INC          | 391463        | 07/27/16  | COATING INSPECTION (7/1/16-7/31/16)       | 7,812.50 | 7,812.50    |
| 2046646 | 08/31/16 | 00184  | COUNTY OF SAN DIEGO            | 1352071716    | 07/17/16  | UPFP PERMIT RENEWAL (9/30/16-9/30/17)     | 443.00   |             |
|         |          |        |                                | 2785071716    | 07/17/16  | UPFP PERMIT RENEWAL (9/30/16-9/30/17)     | 292.00   | 735.00      |
| 2046647 | 08/31/16 | 02122  | COUNTY OF SAN DIEGO            | 2016070505714 | 07/05/16  | PERMIT FEES # 05714 (SEPT 2016-SEPT2017)  | 529.00   |             |
|         |          |        |                                | 2016070505774 | 07/05/16  | PERMIT FEES # 05774 (SEPT 2016-SEPT 2017) | 358.00   | 887.00      |
| 2046680 | 09/07/16 | 00134  | COUNTY OF SAN DIEGO            | EIR090116     | 09/01/16  | EIR FILING FEE                            | 3,120.00 | 3,120.00    |
| 2046719 | 09/14/16 | 00099  | COUNTY OF SAN DIEGO            | DPWAROTAYMW   | 08/17/16  | EXCAVATION PERMITS (JULY 2016)            | 3,280.70 | 3,280.70    |
| 2046754 | 09/21/16 | 07494  | COUNTY OF SAN DIEGO            | 1757936417A   | 09/14/16  | SEWER SERVICE (7/1/15-6/30/16)            | 157.06   | 157.06      |
| 2046681 | 09/07/16 | 02756  | COX COMMUNICATIONS INC         | 6702082516    | 08/25/16  | TELECOMM SVCS / METRO-E (8/24/16-9/23/16) | 5,091.14 | 5,091.14    |
| 2046682 | 09/07/16 | 17518  | CRISTHA GOMEZ                  | Ref002466561  | 09/01/16  | UB Refund Cst #0000216832                 | 46.00    | 46.00       |
| 2046755 | 09/21/16 | 17537  | ELIZABETH DONAHUE              | Ref002466741  | 09/20/16  | UB Refund Cst #0000216363                 | 32.36    | 32.36       |
| 2046683 | 09/07/16 | 08023  | EMPLOYEE BENEFIT SPECIALISTS   | 0077186IN     | 07/31/16  | EMPLOYEE BENEFITS (JULY 2016)             | 698.50   | 698.50      |
| 2046649 | 08/31/16 | 03227  | ENVIROMATRIX ANALYTICAL INC    | 6080615       | 08/08/16  | LAB ANALYSIS (7/22/16-8/5/16)             | 640.00   |             |
|         |          |        |                                | 6080775       | 08/15/16  | LAB ANALYSIS (7/30/16-8/5/16)             | 435.00   | 1,075.00    |
| 2046720 | 09/14/16 | 03227  | ENVIROMATRIX ANALYTICAL INC    | 6081190       | 08/29/16  | LAB ANALYSIS (8/12/16-8/24/16)            | 495.00   |             |

**CHECK REGISTER**

**Otay Water District**

Date Range: 8/25/2016 - 9/21/2016

| Check # | Date     | Vendor | Vendor Name                    | Invoice      | Inv. Date | Description                                  | Amount    | Check Total |
|---------|----------|--------|--------------------------------|--------------|-----------|--|-----------|-------------|
|         |          |        |                                | 6080984      | 08/22/16  | LAB ANALYSIS (8/6/16-8/18/16)                | 485.00    | 980.00      |
| 2046721 | 09/14/16 | 03725  | ENVIRONMENTAL SYSTEMS RESEARCH | 93177145     | 08/26/16  | ENTERPRISE LICENSE/SUPPORT (7/26/16-7/25/16) | 53,996.00 | 53,996.00   |
| 2046684 | 09/07/16 | 14320  | EUROFINS EATON ANALYTICAL INC  | L0279662     | 08/31/16  | OUTSIDE LAB SERVICES (8/9/16)                | 800.00    | 800.00      |
| 2046722 | 09/14/16 | 14320  | EUROFINS EATON ANALYTICAL INC  | L0279092     | 08/26/16  | LABORATORY ANALYSIS (8/17/16-8/18/16)        | 1,110.00  |             |
|         |          |        |                                | L0279548     | 08/30/16  | LABORATORY ANALYSIS (8/17/16)                | 390.00    | 1,500.00    |
| 2046756 | 09/21/16 | 16469  | FIRST CHOICE SERVICES          | 067121       | 09/14/16  | COFFEE SERVICES                              | 700.28    | 700.28      |
| 2046650 | 08/31/16 | 11962  | FLEETWASH INC                  | x835404      | 08/12/16  | VEHICLE WASHING (8/12/16)                    | 291.60    | 291.60      |
| 2046723 | 09/14/16 | 11962  | FLEETWASH INC                  | x840254      | 08/19/16  | VEHICLE WASHING (8/19/16)                    | 200.88    | 200.88      |
| 2046757 | 09/21/16 | 11962  | FLEETWASH INC                  | x845518      | 08/26/16  | VEHICLE WASHING (8/26/16)                    | 136.19    | 136.19      |
| 2046685 | 09/07/16 | 01612  | FRANCHISE TAX BOARD            | Ben2466594   | 09/08/16  | BI-WEEKLY PAYROLL DEDUCTION                  | 100.00    | 100.00      |
| 2046758 | 09/21/16 | 01612  | FRANCHISE TAX BOARD            | Ben2466765   | 09/22/16  | BI-WEEKLY PAYROLL DEDUCTION                  | 100.00    | 100.00      |
| 2046724 | 09/14/16 | 03537  | GHA TECHNOLOGIES INC           | 9878446      | 08/18/16  | SOFTWARE SUPPORT                             | 3,677.70  | 3,677.70    |
| 2046725 | 09/14/16 | 00101  | GRAINGER INC                   | 9209170514   | 08/26/16  | INVENTORY                                    | 734.16    |             |
|         |          |        |                                | 9207460222   | 08/25/16  | INVENTORY                                    | 367.33    | 1,101.49    |
| 2046686 | 09/07/16 | 17523  | GROSSMONT UNION HS DISTRICT    | Ref002466566 | 09/01/16  | UB Refund Cst #0000229637                    | 1,658.74  | 1,658.74    |
| 2046687 | 09/07/16 | 17513  | GUILLERMO VILLAREAL            | Ref002466556 | 09/01/16  | UB Refund Cst #0000186469                    | 76.78     | 76.78       |
| 2046726 | 09/14/16 | 00174  | HACH COMPANY                   | 10064318     | 08/16/16  | HACH ANNUAL SERVICE                          | 12,740.00 |             |
|         |          |        |                                | 10075929     | 08/23/16  | HACH APA6000 REPAIR                          | 1,342.99  |             |
|         |          |        |                                | 10075898     | 08/23/16  | HACH APA6000 REPAIR                          | 1,301.00  | 15,383.99   |
| 2046727 | 09/14/16 | 14076  | HDS WHITE CAP CONST SUPPLY     | 50004863205  | 08/17/16  | SPEC-PLUG                                    | 1,110.03  | 1,110.03    |
| 2046651 | 08/31/16 | 02008  | HELIX ENVIRONMNTL PLANNING INC | 21           | 08/03/16  | ENVIRONMENTAL SERVICES (7/1/16-7/31/16)      | 15,508.51 | 15,508.51   |
| 2046652 | 08/31/16 | 17484  | HORTENCIA MACIAS               | 6802082616   | 08/26/16  | CUSTOMER REFUND                              | 143.38    | 143.38      |
| 2046653 | 08/31/16 | 13349  | HUNSAKER & ASSOCIATES          | 2016070002   | 08/09/16  | LAND SURVEYING (7/1/16-7/31/16)              | 11,656.00 | 11,656.00   |
| 2046728 | 09/14/16 | 15622  | ICF JONES & STOKES INC         | 0116625      | 08/16/16  | ENVIRONMENTAL SERVICES (7/1/16-7/29/16)      | 533.75    |             |
|         |          |        |                                | 0116626      | 08/16/16  | ENVIRONMENTAL SERVICES (7/1/16-7/29/16)      | 318.90    | 852.65      |
| 2046688 | 09/07/16 | 17106  | INSITE TOWERS DEVELOPMENT LLC  | 364008       | 09/01/16  | ANTENNA SUBLEASE (SEPT 2016)                 | 1,593.00  |             |
|         |          |        |                                | 35403407     | 07/01/16  | ANTENNA SUBLEASE (JULY 2016)                 | 1,593.00  |             |
|         |          |        |                                | 35403408     | 08/01/16  | ANTENNA SUBLEASE (AUG 2016)                  | 1,593.00  | 4,779.00    |
| 2046689 | 09/07/16 | 17508  | JAMES LAWLESS                  | Ref002466551 | 09/01/16  | UB Refund Cst #0000125455                    | 44.81     | 44.81       |

**CHECK REGISTER**

**Otay Water District**

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| Check # | Date     | Vendor | Vendor Name                   | Invoice      | Inv. Date | Description                            | Amount   | Check Total |
|---------|----------|--------|-------------------------------|--------------|-----------|--|----------|-------------|
| 2046690 | 09/07/16 | 17522  | JAZMEN WILLIAMS               | Ref002466565 | 09/01/16  | UB Refund Cst #0000224665              | 12.50    | 12.50       |
| 2046654 | 08/31/16 | 10563  | JCI JONES CHEMICALS INC       | 697591       | 08/11/16  | CHEMICALS                              | 1,837.80 | 1,837.80    |
| 2046691 | 09/07/16 | 17511  | JENNIFER GRAF-HARRISON        | Ref002466554 | 09/01/16  | UB Refund Cst #0000168893              | 34.19    | 34.19       |
| 2046759 | 09/21/16 | 17533  | JENNIFER LEWIS                | Ref002466737 | 09/20/16  | UB Refund Cst #0000203345              | 29.43    | 29.43       |
| 2046760 | 09/21/16 | 17530  | JOSE SILVA                    | Ref002466734 | 09/20/16  | UB Refund Cst #0000194438              | 75.00    | 75.00       |
| 2046692 | 09/07/16 | 17509  | JUAN TELLO                    | Ref002466552 | 09/01/16  | UB Refund Cst #0000154577              | 536.85   | 536.85      |
| 2046761 | 09/21/16 | 17535  | JUSTIN ROBERTS                | Ref002466739 | 09/20/16  | UB Refund Cst #0000204026              | 5.12     | 5.12        |
| 2046655 | 08/31/16 | 14808  | KOEPPE, KEVIN                 | 070116063017 | 08/29/16  | AICPA MEMBERSHIP                       | 255.00   | 255.00      |
| 2046693 | 09/07/16 | 17505  | LATHAM LAWRENCE               | Ref002466547 | 09/01/16  | UB Refund Cst #0000032444              | 52.05    | 52.05       |
| 2046694 | 09/07/16 | 17517  | LUSARDI CONSTRUCTION          | Ref002466560 | 09/01/16  | UB Refund Cst #0000207629              | 1,726.33 | 1,726.33    |
| 2046695 | 09/07/16 | 14946  | MARILYN SHEPARD               | 20160826OTAY | 08/26/16  | TRAINING                               | 2,400.00 | 2,400.00    |
| 2046696 | 09/07/16 | 17512  | MARTIN MACIAS                 | Ref002466555 | 09/01/16  | UB Refund Cst #0000176110              | 143.38   | 143.38      |
| 2046729 | 09/14/16 | 14364  | MARTIN, DAN                   | 49389090816  | 09/08/16  | LICENSE RENEWAL REIMBURSEMENT          | 115.00   | 115.00      |
| 2046697 | 09/07/16 | 02882  | MAYER REPROGRAPHICS INC       | 0012443IN    | 08/16/16  | REPROGRAPHIC SERVICES                  | 1,223.85 | 1,223.85    |
| 2046698 | 09/07/16 | 16613  | MISSION RESOURCE CONSERVATION | 368          | 09/01/16  | HOME WATER EVALUATION (AUG 2016)       | 281.25   | 281.25      |
| 2046762 | 09/21/16 | 17528  | NANCY ZITO                    | Ref002466732 | 09/20/16  | UB Refund Cst #0000074999              | 135.82   | 135.82      |
| 2046763 | 09/21/16 | 17542  | NATIONSTAR MORTGAGE           | Ref002466746 | 09/20/16  | UB Refund Cst #0000224761              | 251.08   | 251.08      |
| 2046699 | 09/07/16 | 16255  | NATIONWIDE RETIREMENT         | Ben2466584   | 09/08/16  | BI-WEEKLY DEFERRED COMP PLAN           | 8,205.12 | 8,205.12    |
| 2046764 | 09/21/16 | 16255  | NATIONWIDE RETIREMENT         | Ben2466755   | 09/22/16  | BI-WEEKLY DEFERRED COMP PLAN           | 8,305.12 | 8,305.12    |
| 2046730 | 09/14/16 | 02027  | NTH GENERATION COMPUTING INC  | 29060H       | 08/24/16  | VEEAM RENEWAL                          | 7,755.00 | 12,355.00   |
|         |          |        |                               | 29065H       | 08/24/16  | VEEAM RENEWAL                          | 4,600.00 |             |
| 2046656 | 08/31/16 | 00510  | OFFICE DEPOT INC              | 855495381001 | 08/09/16  | OFFICE SUPPLIES                        | 106.82   | 206.78      |
|         |          |        |                               | 854901261001 | 08/03/16  | OFFICE SUPPLIES                        | 70.71    |             |
|         |          |        |                               | 854901359001 | 08/03/16  | OFFICE SUPPLIES                        | 29.25    |             |
| 2046765 | 09/21/16 | 00510  | OFFICE DEPOT INC              | 856928817001 | 08/12/16  | OFFICE SUPPLIES                        | 145.09   | 243.45      |
|         |          |        |                               | 859739270001 | 08/25/16  | OFFICE SUPPLIES                        | 98.36    |             |
| 2046731 | 09/14/16 | 17527  | OTERO, TENILLE                | 071116082216 | 09/08/16  | TRAVEL EXPENSE REIMB (7/11/16-8/22/16) | 112.66   | 112.66      |
| 2046657 | 08/31/16 | 01002  | PACIFIC PIPELINE SUPPLY       | 309229       | 08/03/16  | INVENTORY                              | 4,152.38 | 3,996.00    |
|         |          |        |                               | 309360       | 08/15/16  | INVENTORY                              | 3,996.00 |             |

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|---------|----------|--------|-------------------------------|--------------|-----------|--|------------|-------------|
|         |          |        |                               | 309246       | 08/03/16  | INVENTORY                                  | 2,138.40   | 10,286.78   |
| 2046766 | 09/21/16 | 00137  | PETTY CASH CUSTODIAN          | 092016       | 09/20/16  | PETTY CASH REIMBURSEMENT                   | 830.33     | 830.33      |
| 2046767 | 09/21/16 | 15948  | PICA PIPELINE INSPECTION AND  | 103A         | 06/21/16  | INSPECTION/CONDITION ASSESSMENT            | 18,000.00  | 18,000.00   |
| 2046768 | 09/21/16 | 03351  | POSADA, ROD                   | 091016091416 | 09/15/16  | TRAVEL EXPENSE REIMB (9/10/16-9/14/16)     | 1,457.11   | 1,457.11    |
| 2046658 | 08/31/16 | 16208  | POSM SOFTWARE LLC             | 1145         | 01/21/16  | SOFTWARE SUPPORT                           | 4,500.00   | 4,500.00    |
| 2046732 | 09/14/16 | 10819  | PREDICTIVE MAINTENANCE        | 161404       | 08/25/16  | ANALYSIS PROGRAM (SEPT 2016-AUG 2017)      | 7,500.00   | 7,500.00    |
| 2046769 | 09/21/16 | 07346  | PRIME ELECTRICAL SERVICES INC | 267          | 08/26/16  | ELECTRICAL WORK                            | 2,941.00   | 2,941.00    |
| 2046659 | 08/31/16 | 03613  | PSOMAS                        | 120964       | 08/11/16  | AS-NEEDED DESIGN (7/1/16-7/28-16)          | 1,026.25   | 1,026.25    |
| 2046733 | 09/14/16 | 03613  | PSOMAS                        | 120998       | 08/16/16  | DESIGN SERVICES (ENDING 7/28/16)           | 31,442.55  | 31,442.55   |
| 2046660 | 08/31/16 | 00078  | PUBLIC EMPLOYEES RET SYSTEM   | Ben2464865   | 08/25/16  | BI-WEEKLY PERS CONTRIBUTION                | 197,512.18 | 197,512.18  |
| 2046734 | 09/14/16 | 00078  | PUBLIC EMPLOYEES RET SYSTEM   | Ben2466586   | 09/08/16  | BI-WEEKLY PERS CONTRIBUTION                | 199,380.30 | 199,380.30  |
| 2046661 | 08/31/16 | 15647  | RFYEAGER ENGINEERING LLC      | 16136        | 08/02/16  | CORROSION/COATING INSP (7/1/16-7/31/16)    | 9,812.50   | 9,812.50    |
| 2046735 | 09/14/16 | 00521  | RICK POST WELD & WET TAPPING  | 11266        | 08/17/16  | WELD REPAIRS ON 30" CMLC (8/10/16-8/11/16) | 1,996.00   | 1,996.00    |
| 2046770 | 09/21/16 | 05849  | ROBERT DE GUZMAN              | Ref002466731 | 09/20/16  | UB Refund Cst #0000067942                  | 71.83      | 71.83       |
| 2046700 | 09/07/16 | 17506  | RODRIGO PAZ                   | Ref002466549 | 09/01/16  | UB Refund Cst #0000075997                  | 107.46     | 107.46      |
| 2046736 | 09/14/16 | 00003  | SAN DIEGO COUNTY WATER AUTH   | 0000000      | 08/25/16  | MWD SCWS - HEWS                            | 1,100.00   | 1,100.00    |
| 2046701 | 09/07/16 | 00121  | SAN DIEGO GAS & ELECTRIC      | 082516       | 08/25/16  | UTILITY EXPENSES (MONTHLY)                 | 75,743.89  |             |
|         |          |        |                               | 082416       | 08/24/16  | UTILITY EXPENSES (MONTHLY)                 | 33,727.35  |             |
|         |          |        |                               | 082216       | 08/22/16  | UTILITY EXPENSES (MONTHLY)                 | 9,168.62   | 118,639.86  |
| 2046737 | 09/14/16 | 00121  | SAN DIEGO GAS & ELECTRIC      | 083116       | 08/31/16  | UTILITY EXPENSES (MONTHLY)                 | 92,803.66  |             |
|         |          |        |                               | 082316       | 08/23/16  | UTILITY EXPENSES (MONTHLY)                 | 30,976.26  |             |
|         |          |        |                               | 090116       | 09/01/16  | UTILITY EXPENSES (MONTHLY)                 | 63.48      | 123,843.40  |
| 2046771 | 09/21/16 | 00121  | SAN DIEGO GAS & ELECTRIC      | 090116a      | 09/01/16  | UTILITY EXPENSES (MONTHLY)                 | 280.89     | 280.89      |
| 2046772 | 09/21/16 | 17539  | SANDRA RODRIGUEZ              | Ref002466743 | 09/20/16  | UB Refund Cst #0000222866                  | 29.14      | 29.14       |
| 2046773 | 09/21/16 | 00419  | SHAPE PRODUCTS                | 4005811      | 08/04/16  | POTASSIUM IODIDE                           | 1,412.43   | 1,412.43    |
| 2046774 | 09/21/16 | 17541  | SLF IV MILLENIA LLC           | Ref002466745 | 09/20/16  | UB Refund Cst #0000223920                  | 2,088.98   | 2,088.98    |
| 2046775 | 09/21/16 | 17538  | SSC SURGICAL SPECIALTIES CORP | Ref002466742 | 09/20/16  | UB Refund Cst #0000216869                  | 224.60     | 224.60      |
| 2046702 | 09/07/16 | 01460  | STATE WATER RESOURCES         | 090116       | 09/01/16  | ELAP AMENDMENT FEE                         | 681.00     | 681.00      |
| 2046662 | 08/31/16 | 17487  | STEPHANIE CHEN                | 08232016SC   | 08/29/16  | FINGERPRINTING SERVICES                    | 20.00      | 20.00       |

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| 2046776 | 09/21/16 | 17531  | STEVENS WHITESIDE            | Ref002466735  | 09/20/16  | UB Refund Cst #0000194985                 | 276.64     | 276.64      |
| 2046777 | 09/21/16 | 03263  | STRUNKS JR, DALE             | 09/06/16      | 09/19/16  | SAFETY BOOTS                              | 150.00     | 150.00      |
| 2046703 | 09/07/16 | 17515  | SUMMER SINGER                | Ref002466558  | 09/01/16  | UB Refund Cst #0000203686                 | 7.19       | 7.19        |
| 2046778 | 09/21/16 | 15974  | SUN LIFE FINANCIAL           | Ben2466753    | 09/22/16  | MONTHLY CONTRIBUTION TO LTD               | 5,108.86   | 5,108.86    |
| 2046738 | 09/14/16 | 10339  | SUPREME OIL COMPANY          | 428170        | 08/23/16  | UNLEADED FUEL                             | 8,626.38   |             |
|         |          |        |                              | 428171        | 08/23/16  | DIESEL FUEL                               | 4,980.02   | 13,606.40   |
| 2046663 | 08/31/16 | 14576  | SWIATKOWSKI, KEITH           | 08252016KS    | 08/25/16  | TUITION REIMBURSEMENT                     | 201.00     | 201.00      |
| 2046704 | 09/07/16 | 15926  | TEXAS CHILD SUPPORT UNIT     | Ben2466596    | 09/08/16  | BI-WEEKLY PAYROLL DEDUCTION               | 184.61     | 184.61      |
| 2046779 | 09/21/16 | 15926  | TEXAS CHILD SUPPORT UNIT     | Ben2466769    | 09/22/16  | BI-WEEKLY PAYROLL DEDUCTION               | 184.61     | 184.61      |
| 2046780 | 09/21/16 | 17543  | THAD BARRIER                 | Ref002466747  | 09/20/16  | UB Refund Cst #0000225955                 | 35.75      | 35.75       |
| 2046664 | 08/31/16 | 16744  | THE SAN DIEGO UNION-TRIBUNE  | 002838843     | 08/03/16  | NOTICE OF AVAILABILITY                    | 331.80     | 331.80      |
| 2046705 | 09/07/16 | 11978  | TOM LUM                      | Ref002466548  | 09/01/16  | UB Refund Cst #0000070092                 | 99.81      | 99.81       |
| 2046781 | 09/21/16 | 17544  | TOM THORNTON                 | Ref002466748  | 09/20/16  | UB Refund Cst #0000230140                 | 38.70      | 38.70       |
| 2046665 | 08/31/16 | 17000  | TRANSTAR PIPELINE INC        | 507312016     | 08/05/16  | RSD SEWER REHABILITATION (ENDING 7/31/16) | 155,580.89 | 155,580.89  |
| 2046739 | 09/14/16 | 03261  | TYLER TECHNOLOGIES INC       | 045167006     | 07/28/16  | OUTSIDE SERVICES                          | 3,939.97   | 3,939.97    |
| 2046706 | 09/07/16 | 15675  | UNITED SITE SERVICES INC     | 1144345624    | 08/16/16  | PORTABLE TOILET RENTALS (8/11/16-9/7/16)  | 98.17      |             |
|         |          |        |                              | 1144345721    | 08/16/16  | PORTABLE TOILET RENTALS (8/12/16-9/8/16)  | 79.98      | 178.15      |
| 2046740 | 09/14/16 | 15675  | UNITED SITE SERVICES INC     | 1144373562    | 08/23/16  | PORTABLE TOILET RENTALS (8/19/16-9/15/16) | 80.03      |             |
|         |          |        |                              | 1144373561    | 08/23/16  | PORTABLE TOILET RENTALS (8/19/16-9/15/16) | 79.98      |             |
|         |          |        |                              | 1144373560    | 08/23/16  | PORTABLE TOILET RENTALS (8/19/16-9/15/16) | 79.98      |             |
|         |          |        |                              | 1144373559    | 08/23/16  | PORTABLE TOILET RENTALS (8/20/16-9/16/16) | 79.98      | 319.97      |
| 2046782 | 09/21/16 | 15675  | UNITED SITE SERVICES INC     | 1144406546    | 08/31/16  | PORTABLE TOILET RENTALS (8/31/16-9/27/16) | 79.98      | 79.98       |
| 2046667 | 08/31/16 | 07674  | US BANK                      | CC20160822255 | 08/22/16  | CAL CARD EXPENSES (MONTHLY)               | 148,133.34 | 148,133.34  |
| 2046741 | 09/14/16 | 06829  | US SECURITY ASSOCIATES INC   | 1396182       | 08/31/16  | PATROLLING SERVICES (AUG 2016)            | 110.00     | 110.00      |
| 2046707 | 09/07/16 | 01095  | VANTAGEPOINT TRANSFER AGENTS | Ben2466590    | 09/08/16  | BI-WEEKLY DEFERRED COMP PLAN              | 14,803.12  | 14,803.12   |
| 2046708 | 09/07/16 | 06414  | VANTAGEPOINT TRANSFER AGENTS | Ben2466592    | 09/08/16  | BI-WEEKLY 401A PLAN                       | 920.77     | 920.77      |
| 2046783 | 09/21/16 | 01095  | VANTAGEPOINT TRANSFER AGENTS | Ben2466761    | 09/22/16  | BI-WEEKLY DEFERRED COMP PLAN              | 13,989.43  | 13,989.43   |
| 2046784 | 09/21/16 | 06414  | VANTAGEPOINT TRANSFER AGENTS | Ben2466763    | 09/22/16  | BI-WEEKLY 401A PLAN                       | 820.77     | 820.77      |
| 2046785 | 09/21/16 | 12686  | VANTAGEPOINT TRANSFER AGENTS | Ben2466767    | 09/22/16  | 401A TERMINAL PAY                         | 35,140.63  | 35,140.63   |

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|---------------------------|-------------|---------------|------------------------------|----------------|------------------|---|---------------------|--------------------|
| 2046668                   | 08/31/16    | 15807         | WATCHLIGHT CORPORATION, THE  | 484116         | 08/15/16         | ALARM MONITORING (SEPT 2016)                      | 1,548.92            | 1,548.92           |
| 2046709                   | 09/07/16    | 15807         | WATCHLIGHT CORPORATION, THE  | 456875a        | 02/09/16         | SECURITY AND ACCESS UPGRADE                       | 8,399.50            | 8,399.50           |
| 2046742                   | 09/14/16    | 15807         | WATCHLIGHT CORPORATION, THE  | 484573         | 08/17/16         | ALARM FOR 980 1 & 2 RESERVOIR (07/13/16-07/13/16) | 10,661.66           | 10,661.66          |
| 2046786                   | 09/21/16    | 15807         | WATCHLIGHT CORPORATION, THE  | 485456         | 09/06/16         | VIDEOFIED SECURITY CAMERA                         | 1,987.15            |                    |
|                           |             |               |                              | 485458         | 09/06/16         | UTILITY MAINTENANCE CONDUIT (8/17/16)             | 739.73              |                    |
|                           |             |               |                              | 485466         | 09/06/16         | SECURITY SYSTEM SERVICE CALL (8/18/16)            | 671.94              |                    |
|                           |             |               |                              | 485468         | 09/06/16         | SECURITY SYSTEM SERVICE CALL (7/15/16)            | 662.54              |                    |
|                           |             |               |                              | 485467         | 09/06/16         | UTILITY MAINTENANCE CONDUIT (8/17/16)             | 575.04              |                    |
|                           |             |               |                              | 485457         | 09/06/16         | UTILITY MAINTENANCE CONDUIT (8/18/16)             | 464.26              |                    |
|                           |             |               |                              | 485460         | 09/06/16         | UTILITY MAINTENANCE CONDUIT (8/25/16)             | 422.21              |                    |
|                           |             |               |                              | 485462         | 09/06/16         | UTILITY MAINTENANCE CONDUIT (8/19/16)             | 390.37              |                    |
|                           |             |               |                              | 485461         | 09/06/16         | UTILITY MAINTENANCE CONDUIT (8/23/16)             | 363.02              |                    |
|                           |             |               |                              | 485464         | 09/06/16         | SECURITY SYSTEM SERVICE CALL (8/2/16)             | 204.00              |                    |
|                           |             |               |                              | 485469         | 09/06/16         | SECURITY SYSTEM SERVICE CALL (8/2/16)             | 136.00              | 6,616.26           |
| 2046669                   | 08/31/16    | 15726         | WATER SYSTEMS CONSULTING INC | 2137           | 07/31/16         | HYDRAULIC MODELING (ENDING 7/31/16)               | 1,197.50            | 1,197.50           |
| 2046743                   | 09/14/16    | 03781         | WATTON, MARK                 | 080216082616   | 09/08/16         | MILEAGE REIMBURSEMENT (8/2/16-8/26/16)            | 212.76              |                    |
|                           |             |               |                              | 070116072916   | 09/08/16         | TRAVEL EXPENSE REIMB (7/1/16-7/29/16)             | 123.46              | 336.22             |
| 2046744                   | 09/14/16    | 01343         | WE GOT YA PEST CONTROL       | 107633         | 08/25/16         | BEE REMOVAL                                       | 350.00              | 350.00             |
| 2046670                   | 08/31/16    | 14857         | YSI INCORPORATED             | 654764         | 08/03/16         | VISOLID 700 IQ PROBE                              | 3,610.30            | 3,610.30           |
| <b>Amount Pd Total:</b>   |             |               |                              |                |                  |   | <b>1,477,200.65</b> |                    |
| <b>Check Grand Total:</b> |             |               |                              |                |                  |   | <b>1,477,200.65</b> |                    |