



BOARD MEETING

RAINBOW MUNICIPAL WATER DISTRICT
Tuesday, September 26, 2017
Closed Session – Time: 12:00 p.m.
Open Session - Time: 1:00 p.m.

THE PURPOSE OF THE REGULAR BOARD MEETING IS TO DISCUSS THE ATTACHED AGENDA

District Office	3707 Old Highway 395	Fallbrook, CA 92028
------------------------	-----------------------------	----------------------------

Board Agenda Policies

Board of Directors Meeting Schedule Regular Board meetings are normally scheduled for the 4th Tuesday of the month with Open Session discussions starting time certain at 1:00 p.m.

Breaks It is the intent of the Board to take a ten minute break every hour and one-half during the meeting.

Public Input on Specific Agenda Items and those items not on the Agenda, Except Public Hearings Any person of the public desiring to speak shall fill out a "Speaker's Slip", encouraging them to state their name, though not mandatory. Such person shall be allowed to speak during public comment time and has the option of speaking once on any agenda item when it is being discussed. Speaking time shall generally be limited to three minutes, unless a longer period is permitted by the Board President.

Public Items for the Board of Directors' agenda must be submitted in writing and received by the District office no later than 10 business days prior to a regular Board of Directors' Meeting.

Agenda Posting and Materials Agendas for all regular Board of Directors' meetings are posted at least seventy-two hours prior to the meeting on bulletin boards outside the entrance gate and the main entrance door of the District, 3707 Old Highway 395, Fallbrook, California 92028. The agendas and all background material may also be inspected at the District Office.

You may also visit us at www.rainbowmwd.com.

Time Certain Agenda items identified as "time certain" indicate the item will not be heard prior to the time indicated.

Board meetings will be recorded as a secretarial aid. If you wish to listen to the recordings, they will be available after the draft minutes of the meeting have been prepared. There is no charge associated with copies of recordings. Recordings will be available until the minutes of such meeting are approved. Copies of public records are available as a service to the public; a charge of \$.10 per page up to 99 pages will be collected and \$.14 per page for 100 pages or more.

If you have special needs because of a disability which makes it difficult for you to participate in the meeting or you require assistance or auxiliary aids to participate in the meeting, please contact the District Secretary, (760) 728-1178, by at least noon on the Friday preceding the meeting. The District will attempt to make arrangements to accommodate your disability.

(*) - Asterisk indicates a report is attached.

Notice is hereby given that the Rainbow Municipal Water District Board of Directors will hold Closed Session at 12:00 p.m. and Open Session at 1:00 p.m. Tuesday, September 26, 2017, at the District Office located at 3707 Old Highway 395, Fallbrook, CA 92028. At any time during the session, the Board of Directors Meeting may adjourn to Closed Session to consider litigation or to discuss with legal counsel matters within the attorney client privilege.

AGENDA

1. **CALL TO ORDER**
 2. **ROLL CALL: Brazier____ Hamilton____ Gasca____ Mack____ Stewart____**
 3. **ADDITIONS/DELETIONS/AMENDMENTS TO THE AGENDA (Government Code §54954.2)**
 4. **ORAL/WRITTEN COMMUNICATIONS FROM THE PUBLIC
OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO ADDRESS THE BOARD REGARDING
CLOSED SESSION AGENDA ITEMS (Government Code § 54954.2).**
Under Oral Communications, any person wishing to address the Board on matters regarding the Closed Session agenda should indicate their desire to speak by filling out and submitting a "Speaker's Slip" to the Board Secretary before the meeting begins. Speaking time shall generally be limited to three minutes, unless a longer period is permitted by the Board President.
 5. **CLOSED SESSION**
 - A. Appointment, Employment; Evaluation of Performance – General Manager (Government Code §54957)
 6. **REPORT ON POTENTIAL ACTION FROM CLOSED SESSION**
- Time Certain: 1:00 p.m.
7. **PLEDGE OF ALLEGIANCE**
 8. **REPEAT REPORT ON POTENTIAL ACTION FROM CLOSED SESSION**
 9. **REPEAT ADDITIONS/DELETIONS/AMENDMENTS TO THE AGENDA (Government Code §54954.2)**
 10. **ORAL/WRITTEN COMMUNICATIONS FROM THE PUBLIC
OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO ADDRESS THE BOARD REGARDING
ITEMS NOT ON THIS AGENDA (Government Code § 54954.2).**
Under Oral Communications, any person wishing to address the Board on matters not on this agenda should indicate their desire to speak by filling out and submitting a "Speaker's Slip" to the Board Secretary before the meeting begins. No action will be taken on any oral communications item since such item does not appear on this Agenda, unless the Board of Directors makes a determination that an emergency exists or that the need to take action on the item arose subsequent to posting of the Agenda (Government Code §54954.2). Speaking time shall generally be limited to three minutes, unless a longer period is permitted by the Board President.
 - *11. **APPROVAL OF MINUTES**
 - A. August 22, 2017 - Regular Board Meeting

(*) - Asterisk indicates a report is attached.

***12. BOARD OF DIRECTORS' COMMENTS/REPORTS**

Directors' comments are comments by Directors concerning District business, which may be of interest to the Board. This is placed on the agenda to enable individual Board members to convey information to the Board and to the public. There is to be no discussion or action taken by the Board of Directors unless the item is noticed as part of the meeting agenda.

- A. President's Report (President Brazier)
- B. Representative Report (Appointed Representative)
 - 1. SDCWA
 - A. Summary of Board Meeting August 24, 2017
 - 2. CSDA
 - 3. LAFCO
 - 4. San Luis Rey Watershed Council
 - 5. Santa Margarita Watershed Council
- C. Meeting, Workshop, Committee, Seminar, Etc. Reports by Directors (AB1234)
- D. Directors Comments
- E. Legal Counsel Comments
 - 1. Public Records Act (501668-0002)

***13. COMMITTEE REPORTS (Approved Minutes have been attached for reference only.)**

- A. Budget and Finance Committee
 - 1. August 8, 2017 Minutes
- B. Communications Committee
 - 1. August 7, 2017 Minutes
- C. Engineering Services Committee
 - 1. August 2, 2017 Minutes

BOARD ACTION ITEMS

***14. DISCUSSION AND POSSIBLE ACTION TO ADOPT ORDINANCE NO. 17-12 AMENDING AND UPDATING ADMINISTRATIVE CODE CHAPTER 8.11 – CONNECTION AND METER CHARGES**

(At the July 25, 2017 Board Meeting the Board adopted revisions to the policy in relation to the capacity fees and subsequent meeting on August 22, 2017 the Board adopted revisions to the sewer policy. Based on the review of staff and the Engineering Services Committee, additional revisions are proposed to update the water policy.)

***15. DISCUSSION AND POSSIBLE ACTION TO AWARD A PROFESSIONAL SERVICES CONTRACT TO PROVIDE ENGINEERING SERVICES FOR STUDIES TO ADVANCE BONSALL BASIN DESALTER IMPLEMENTATION AND APPROPRIATE \$152,903 TO THE PROJECT BUDGET**

(This agenda item considers awarding a professional services contract to further the investigation into the feasibility of securing a potable supply of water from the Bonsall Basin. This includes validating the model, confirming imported return flow rights and regulatory structure, property acquisition, refining project alternatives, and verifying production well yields through the model, groundwater sampling, and exploratory boring. In addition, the proposed budget of the project is \$152,903 more than approved in the District CIP budget. Thus, the agenda item also considers appropriating an additional \$152,903 to the project budget.)

***16. CONSIDER A PROFESSIONAL SERVICES AGREEMENT WITH RT LAWRENCE CORPORATION, FOR LOCKBOX SERVICES OF UTILITY BILLS FOR AN INITIAL TERM OF ONE YEAR**

(Staff has researched lockbox services as an alternative to manual check processing in order to improve operational efficiency and better utilize staff time and resources. A lockbox service is a third-party service that will receive and process payments on behalf of the District. The use of lockbox services is widely used in the payment industry to streamline check processing and to accelerate the deposit and availability of funds.)

(*) - Asterisk indicates a report is attached.

- *17. DISCUSSION AND POSSIBLE ACTION TO APPROVE ORDINANCE NO. 17-13 AMENDING AND UPDATING ADMINISTRATIVE CODE CHAPTER 2.03 – REMUNERATION AND REIMBURSEMENT**
(After a series of discussion on the matter, the Board President appointed a subcommittee consisting of Board President Brazier and Director Gasca to review the matter in more depth and bring a proposed change back to the Board for consideration. The resulting revisions reflect the proposed changes.)
- 18. DISCUSSION AND POSSIBLE ACTION TO APPOINT FLINT NELSON AS AN ALTERNATE MEMBER TO THE ENGINEERING SERVICES COMMITTEE**
(Flint Nelson has attended a few Engineering Service Committee meetings and has shown an interest in membership. Currently, the Engineering Services Committee has full membership and therefore would like to appoint Flint Nelson as an alternate member.)
- 19. DISCUSSION AND POSSIBLE ACTION TO APPOINT DAVE SHINN AS A MEMBER TO THE COMMUNICATIONS COMMITTEE**
(Dave Shinn has attended the last two Communications Committee meetings and has shown an interest in membership. Currently, the Communications Committee is not fully seated and therefore would like to appoint Dave Shinn as a member.)
- 20. DISCUSSION AND POSSIBLE ACTION TO APPOINT MIGUEL GASCA AS A MEMBER TO THE BUDGET AND FINANCE COMMITTEE**
(Miguel Gasca has attended a few Budget and Finance Committee meetings and has shown an interest in membership. Currently, the Budget and Finance Committee does not have full membership and therefore would like to appoint Miguel Gasca as a member.)
- 21. AUTHORIZATION TO ATTEND UPCOMING MEETINGS / CONFERENCES / SEMINARS**
- 22. REQUEST FOR RETROACTIVE COMPENSATION FOR CONFERENCE ATTENDANCE IN MAY 2017 BY DIRECTOR MACK**
(At the September 5, 2017, Special Board meeting, the Board had made some proposed changes to the current Administrative Code for Board consideration at their September 26, 2017 Regular Board meeting. Director Mack is requesting retroactive compensation for attendance at both the ACWA 2017 Spring Conference held May 9-12, 2017 and Special Districts Legislative Days held May 15-17, 2017.)
- *23. RECEIVE AND FILE INFORMATION AND FINANCIAL ITEMS FOR JULY/AUGUST/SEPTEMBER 2017**
- A. General Manager Comments**
 - 1. Meetings, Conferences and Seminar Calendar
 - B. Operations Comments**
 - 1. Operations Report
 - C. Engineering Comments**
 - 1. Engineering Report
 - D. Customer Service Comments**
 - 1. Customer Service Report
 - E. Human Resource & Safety Comments**
 - 1. Human Resources Report
 - 2. Organizational Chart
 - F. Finance Manager Comments**
 - 1. Interim Financial Statement
 - 2. Credit Card Breakdown
 - 3. Directors' Expense
 - 4. Check Register
 - 5. Water Sales Summary

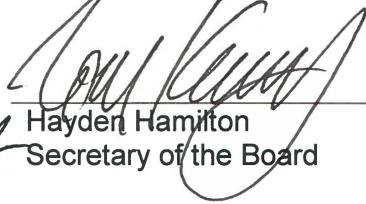
(*) - Asterisk indicates a report is attached.

6. RMWD Sewer Equivalent Dwelling Units (EDU's) Status

24. LIST OF SUGGESTED AGENDA ITEMS FOR THE NEXT REGULAR BOARD MEETING

25. ADJOURNMENT - To Tuesday, October 24, 2017 at 1:00 p.m.

ATTEST TO POSTING:



FOR Hayden Hamilton
Secretary of the Board

9-21-17 @ 8:30 A.M.

Date and Time of Posting
Outside Display Cases

(*) - Asterisk indicates a report is attached.

DRAFT

DRAFT

DRAFT

**MINUTES OF THE REGULAR BOARD MEETING
OF THE BOARD OF DIRECTORS OF THE
RAINBOW MUNICIPAL WATER DISTRICT
AUGUST 22, 2017**

1. **CALL TO ORDER** - The Regular Meeting of the Board of Directors of the Rainbow Municipal Water District on August 22, 2017 was called to order by President Brazier at 12:00 p.m. in the Board Room of the District, 3707 Old Highway 395, Fallbrook, CA 92028. President Brazier presiding.

2. **ROLL CALL**

Present: Director Mack, Director Brazier, Director Hamilton, Director Stewart, Director Gasca.

Also Present: General Manager Kennedy, Legal Counsel Smith, Executive Assistant Washburn, Operations Manager Milner, Engineering Manager Kirkpatrick, Finance Manager Martinez, Human Resources Manager Harp, Superintendent Maccarrone, Superintendent Zuniga, Superintendent Walker, Administrative Analyst Gray, Associate Engineer Powers.

No members of the public were present before for Open Session. One member of the public was present for Open Session.

3. **ADDITIONS/DELETIONS/AMENDMENTS TO THE AGENDA (Government Code §54954.2)**

There were no changes to the agenda.

4. **ORAL/WRITTEN COMMUNICATIONS FROM THE PUBLIC
OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO ADDRESS THE BOARD REGARDING
CLOSED SESSION AGENDA ITEMS (Government Code § 54954.2).**

There were no comments.

The meeting adjourned to Closed Session at 12:04 p.m.

5. **CLOSED SESSION**

A. Appointment, Employment; Evaluation of Performance – General Manager (Government Code §54957)

6. **REPORT ON POTENTIAL ACTION FROM CLOSED SESSION**

This item was addressed under Item #8.

The meeting reconvened at 1:07 p.m.

(*) - Asterisk indicates a report is attached.

DRAFT

DRAFT

DRAFT

Time Certain: 1:00 p.m.

7. PLEDGE OF ALLEGIANCE

8. REPEAT REPORT ON POTENTIAL ACTION FROM CLOSED SESSION

Legal Counsel reported the Board met in Closed Session for appointment, employment; evaluation of performance for the General Manager pursuant to Government Code Section 54957 and there was no reportable action. He stated the Board will reconvene to Closed Session later in the meeting.

Discussion returned from Item #25.

Legal Counsel reported the Board met in Closed Session pursuant to Government Code Section 54957 regarding the appointment, employment; evaluation of performance for the General Manager and a statement will be read by Director Stewart (see Item #21 for statement and action taken).

Discussion returned to Item #21.

9. REPEAT ADDITIONS/DELETIONS/AMENDMENTS TO THE AGENDA (Government Code §54954.2)

President Brazier stated there were no changes to the agenda.

10. ORAL/WRITTEN COMMUNICATIONS FROM THE PUBLIC OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO ADDRESS THE BOARD REGARDING ITEMS NOT ON THIS AGENDA (Government Code § 54954.2).

There were no comments.

11. ANNIVERSARY ACKNOWLEDGEMENT

A. Chris Waite (10 Years)

Mr. Kennedy noted Chris Waite has worked mostly in the RMWD Meters Department and serves on the District Safety Committee. He presented Mr. Waite with a plaque and check in recognition of his tenure and service.

Mr. Kennedy acknowledged Darren Milner for completing the ACWA/JPIA Professional Development Program.

***12. APPROVAL OF MINUTES**

A. July 25, 2017 - Regular Board Meeting

Motion:

Approve the minutes.

Action: Approve, Moved by Director Gasca, Seconded by Director Stewart.

(*) - Asterisk indicates a report is attached.

DRAFT

DRAFT

DRAFT

Vote: Motion carried by unanimous roll call vote (summary: Ayes = 5).

Ayes: Director Mack, Director Brazier, Director Hamilton, Director Stewart, Director Gasca.

13. BOARD OF DIRECTORS' COMMENTS/REPORTS

Directors' comments are comments by Directors concerning District business, which may be of interest to the Board. This is placed on the agenda to enable individual Board members to convey information to the Board and to the public. There is to be no discussion or action taken by the Board of Directors unless the item is noticed as part of the meeting agenda.

A. President's Report (President Brazier)

There was no report given.

B. Representative Report (Appointed Representative)

1. SDCWA

A. Summary of Board Meeting July 27, 2017

Mr. Kennedy referenced the MWD committee item provided as a handout to the Directors. He explained it was anticipated discussion on the California Water Fix project would take place in September with hopes of a vote in early October. He also pointed out the Supreme Court is expected to decide to hear the appeal on the SDCWA vs. MWD matter in approximately thirty days.

2. CSDA

Director Mack reported on the CSDA Quarterly Dinner meeting noting the presentation provided by SANDAG was on projections for San Diego County up to the year 2050. He mentioned there was also an announcement made that fire protection tax has been cancelled.

Mr. Kennedy regrettably announced CSDA did not select RMWD for the Coin Recognition Program, General Manager of the Year, or District of the Year awards.

Discussion went to Item #13B3.

Discussion returned from Item #13D.

Mr. Kennedy announced RMWD has been awarded the Transparency Excellence award by CSDA which will remain in effect for two more years.

Discussion returned to Item #13E.

3. LAFCO

Mr. Kennedy reported the August meeting included a farewell to many LAFCO staff members leaving including Mr. Ott and Mr. Ehrlich. He mentioned LAFCO has selected the Executive Officer replacement.

(*) - Asterisk indicates a report is attached.

4. San Luis Rey Watershed Council

Director Stewart stated he would attend the meeting scheduled for August 23, 2017.

5. Santa Margarita Watershed Council

Director Hamilton reported on the July Council meeting where discussion took place regarding how to handle the accounting for Watershed Management funds which was previously taken care of by FPUD. He noted the Watershed Manager has hired an assistant who is tasked with working on the approval of the 2016 budget as well as completion of the 2017 budget. He mentioned the Council was working on figuring out how to get the tribes to pay for participation in the Council and how to report the annual budget for 2017 to the court. He announced the next meeting has been scheduled for October.

C. Meeting, Workshop, Committee, Seminar, Etc. Reports by Directors (AB1234)

Director Brazier stated she found SANDAG's projections amusing at the CSDA Quarterly Dinner Meeting.

D. Directors Comments

President Brazier noted FPUD held a committee meeting last week at which there was discussion about selling the Santa Margarita property. She stated FPUD wanted their ratepayers to pay for maintenance for the property. She pointed out the negotiators for the property are Mr. Bebee and Mr. Brady.

President Brazier talked about the transparency shown in the Director expenses should be more transparent and easier to read; therefore, she would like to meet with finance and Mr. Kennedy regarding this matter.

Discussion returned to Item #13B2.

Director Stewart commented on the analysis of the five-year water sales average and projected budgeted sales. Mr. Kennedy talked about options that may be available to RMWD for addressing this situation.

Discussion went to Item # 14A.**E. Legal Counsel Comments****1. Attorney Report: Employment Law Update (501668-0002)**

Legal Counsel talked about the written report provided on AB119 which is a new Bill signed by Governor Brown requiring public agencies to give ten day's advanced notice to employee representatives to weigh in on new employee orientations as well as provide the employee association with the new employee's contact information on file. He pointed out employee personal email addresses remain private from a Public Records Act Request. Mr. Kennedy explained the associations and management will be working together to figure out how best to address this new regulatory requirement.

Discussion returned to Item #13D.

DRAFT

DRAFT

DRAFT

***14. COMMITTEE REPORTS (Approved Minutes have been attached for reference only.)**

- A. Budget and Finance Committee**
 - 1. May 9, 2017 Minutes
 - 2. July 11, 2017 Minutes

Mr. Stitle reported the committee discussed the new billing software change and how Director Gasca and another gentleman had expressed interest in serving on the committee.

- B. Communications Committee**
 - 1. July 10, 2017 Minutes

Mrs. Gray reported the committee worked on the messaging as well as options available for the new billing format as well as talked about considering changing their meeting date to accommodate their members. She noted there was a member of the public who expressed interest in serving on the committee.

- C. Engineering Services Committee**
 - 1. July 5, 2017 Minutes

Mrs. Kirkpatrick pointed out there were several items on this agenda relative to the topics discussed at the committee meeting. She noted IEC gave a presentation on the Weese project including a summary of their design report, a copy of which is provided in the Board agenda packet.

BOARD ACTION ITEMS

***15. DISCUSSION AND POSSIBLE ACTION TO APPROVE A VARIANCE FROM THE DISTRICT'S ADMINISTRATIVE CODE AND ALLOW THE SMITH FAMILY TRUST TO TRANSFER AND RELOCATE METER FROM PARCEL 108-291-43 TO PARCEL 108-291-28**

Mrs. Kirkpatrick mentioned this was discussed at the July Board meeting; however, one of the required documents had not yet been received at that time. She stated RMWD received the final required document within a week after the Board meeting; therefore, this item was being brought back to the Board for consideration.

President Brazier inquired as to why a prohibition was in the Administrative Code. Mrs. Kirkpatrick explained how having this policy in place gives RMWD control of any meter relocations. She confirmed this would be at the sole expense of the property owner.

Motion:

Approve the relocation of the meter.

Action: Approve, Moved by Director Stewart, Seconded by Director Mack.

Vote: Motion carried by unanimous vote (summary: Ayes = 5).

Ayes: Director Mack, Director Brazier, Director Hamilton, Director Stewart, Director Gasca.

(*) - Asterisk indicates a report is attached.

DRAFT

DRAFT

DRAFT

***16. DISCUSSION AND POSSIBLE ACTION TO PROCEED WITH DESIGN FOR THE ROBERT A. WEESE FILTRATION PLANT INTERCONNECT**

Mrs. Kirkpatrick noted in March 2017 the Board approved the design contract for IEC to start design for the Weese plant interconnect. She explained as part of the approval, staff told the Board they would return with an update on the project prior to starting to construct the project; therefore, this was an update on the project. She stated there was a pump skid purchased for the Northside rehabilitation project in order to keep customers in water when RMWD took down the Northside Reservoir. She reported staff asked IEC to see if this could be used for the Weese project and how it was found this would be a preferred alternative which in turn would save RMWD money. She pointed out staff anticipated a \$25.00 per acre foot discount from the City of Oceanside; however, it was found to be closer to \$100 per acre foot compared to the SDCWA treatment costs. She added the City of Oceanside was fast tracking their water systems and should this come into fruition it would provide for more water capacity with Weese being able to provide more water throughout the entire year in approximately three years.

Mr. Kennedy added the 1,400 acre fee is the amount of water remaining after Weese fulfills their contractual obligations to Vista Irrigation District which was in the progress of being renegotiated. He pointed out regardless of whether RMWD received additional water or not, there will be a six-year pay back on the project after which RMWD will save \$140,000 per year.

Director Stewart stated although reusing the skid was worthy of consideration, he wanted to know if it would last for some time without requiring repairs. Mr. Kennedy explained there may be a slightly higher maintenance cost down the road; however, that would not be the same cost it would be to replace it.

Motion:

Approve Staff Recommendation 1 - Authorize staff to proceed with the design for the Robert A. Weese Filtration Plant Interconnect.

Action: Approve, Moved by Director Gasca, Seconded by Director Hamilton.

Vote: Motion carried by unanimous vote (summary: Ayes = 5).

Ayes: Director Mack, Director Brazier, Director Hamilton, Director Stewart, Director Gasca.

***17. DISCUSSION AND POSSIBLE ACTION TO ADOPT ORDINANCE NO. 17-10 AMENDING AND UPDATING ADMINISTRATIVE CODE CHAPTER 9.05 – SEWER PERMITS**

Mr. Kennedy talked about how after considerable review, staff was recommending changes to some of the policy language including the addition of steps to the application process.

Motion:

Action: Approve, Moved by Director Hamilton, Seconded by Director Stewart.

Vote: Motion carried by unanimous roll call vote (summary: Ayes = 5).

Ayes: Director Mack, Director Brazier, Director Hamilton, Director Stewart, Director Gasca.

(*) - Asterisk indicates a report is attached.

DRAFT

DRAFT

DRAFT

***18. DISCUSSION AND POSSIBLE ACTION TO ADOPT ORDINANCE NO. 17-11 REVISING APPENDIX A WATER AND SEWER RATES AND CHARGES**

Mrs. Kirkpatrick noted this was an administrative correction to Ordinance No. 17-07 adopted by the Board at their July 25, 2017 Board meeting. She explained there was a Resolution passed in December that also revised Appendix A that was not appropriately attached to Ordinance No. 17-17 when it was adopted last month; therefore, the correct Appendix A would now be attached to Ordinance No. 17-11 upon its adoption. She and Mr. Kennedy confirmed there have been no changes to the water and sewer rates and charges; this was a housekeeping item.

Motion:

To adopt Ordinance No. 17-11 revising Appendix A water and sewer rate charges.

Action: Approve, Moved by Director Hamilton, Seconded by Director Gasca.

Vote: Motion carried by unanimous roll call vote (summary: Ayes = 5).

Ayes: Director Mack, Director Brazier, Director Hamilton, Director Stewart, Director Gasca.

***19. DISCUSSION AND POSSIBLE ACTION TO APPROVE RESOLUTION NO. 17-23 DESIGNATING AN AUTHORIZED REPRESENTATIVE TO SUBMIT AN APPLICATION, EXECUTE AN AGREEMENT AND ANY AMENDMENTS, AND CERTIFY FUNDING DISBURSEMENTS WITH THE STATE OF CALIFORNIA FOR A DESALINATION GRANT**

Mrs. Kirkpatrick mentioned these same steps were taken previously with the State Loan Grants RMWD received and how it was part of the requirement. She explained there was a desalination grant out through the Department of Water Resources that provide up to a maximum of \$700,000 requiring a 50% match from the District. She stated this goes along with the feasibility study being conducted on the Bonsall sub-basin and that if granted by the State, it would provide an offset to some of the cost RMWD was currently incurring from projects currently being pursued.

Director Hamilton asked if previously incurred costs could be counted as part of the offset. Mrs. Kirkpatrick confirmed they could and all that would be required is add it to the application for the State's review. She clarified the previous San Luis Rey Report, West Yost study, the most recent study conducted by RMC, as well as the Request for Proposal for the Bonsall Basin Desalter would be included in the application. It was confirmed only those projects for which RMWD could provide backup information for would be considered for the grant.

Motion:

Approve Staff Recommendation Option 1 – Approve Resolution 17-23 designating authorize representative to submit an application, execute an agreement and any amendments, and certifying funding disbursements with the state of California for a desalination grant.

Action: Approve, Moved by Director Hamilton, Seconded by Director Mack.

Vote: Motion carried by unanimous vote (summary: Ayes = 5).

Ayes: Director Mack, Director Brazier, Director Hamilton, Director Stewart, Director Gasca.

(*) - Asterisk indicates a report is attached.

DRAFT

DRAFT

DRAFT

- *20. DISCUSSION AND POSSIBLE ACTION TO APPROVE RESOLUTION NO. 17-24 – A RESOLUTION OF THE BOARD OF DIRECTORS OF RAINBOW MUNICIPAL WATER DISTRICT ESTABLISHING CLASSIFICATIONS AND MONTHLY PAY RANGES FOR DISTRICT EMPLOYEES AND THE GENERAL MANAGER EFFECTIVE AUGUST 29, 2017 THROUGH JUNE 30, 2018**

Mrs. Harp explained this was to meet CalPERS reporting requirement which takes place each time there is a salary adjustment. She explained there were two options available for Board consideration which was to continue the current practice with approving a fixed rate for the General Manager salary or to change the General Manager salary to a range in order to avoid having to bring a resolution to the Board each time an adjustment takes place.

Motion:

Approve Staff Recommendation Option 2 - Approve Resolution No. 17-24 as presented in Draft B.

Action: Approve, Moved by Director Hamilton, Seconded by Director Stewart.

Vote: Motion carried by unanimous vote (summary: Ayes = 5).

Ayes: Director Mack, Director Brazier, Director Hamilton, Director Stewart, Director Gasca.

- 21. DISCUSSION AND POSSIBLE ACTION REGARDING THE APPOINTMENT; EMPLOYMENT; EVALUATION OF PERFORMANCE; OR COMPENSATION OF THE GENERAL MANAGER**

Mrs. Harp explained the Board may approve the contract presented due to the fact it does include a COLA adjustment as provided in the current General Manager contract and then may take additional action after the conclusion of Closed Session following the Open Session.

Motion:

Approve an increase to the General Manager's salary by a 3.3% cost of living adjustment in accordance with the existing contract between Rainbow Municipal Water District and Tom Kennedy. The General Manager's annual Salary will increase from \$210,000 to \$216,930 beginning August 28, 2017.

Action: Approve, Moved by Director Stewart, Seconded by Director Mack.

Vote: Motion carried by unanimous vote (summary: Ayes = 5).

Ayes: Director Mack, Director Brazier, Director Hamilton, Director Stewart, Director Gasca.

Discussion returned to from Item #8.

Motion:

Based on the performance evaluation of the General Manager, the Board recommends a base pay merit increase for Tom Kennedy from \$216,930 to \$230,000 effective August 28, 2017. Based on the achievement of the District's strategic goals, the Board recommends a one-time discretionary bonus of \$20,000 to be paid to Tom Kennedy on the next payroll cycle.

(*) - Asterisk indicates a report is attached.

DRAFT

DRAFT

DRAFT

Action: Approve, Moved by Director Stewart, Seconded by Director Hamilton.

Vote: Motion carried by unanimous vote (summary: Ayes = 5).

Ayes: Director Mack, Director Brazier, Director Hamilton, Director Stewart, Director Gasca.

Discussion went to Item #26.

***22. CONSIDER CHANGE ORDER WITH INFOR PUBLIC SECTOR FOR THE PROCUREMENT OF UTILITY BILLING SOFTWARE, SOFTWARE HOSTING, AND SOFTWARE SUPPORT AND IMPLEMENTATION SERVICES**

Mr. Kennedy talked about how the Springbrook application was not quite meeting RMWD's needs nor was Springbrook meeting the terms of their contract with the District. He stated staff has researched several software vendors and found Infor has a product that has utility billing utilized by other local agencies. He talked about how full finance software being very expensive; however, RMWD was not looking at moving that portion now. He talked about licensing costs including trying to find a means of getting some of those costs reduced. He requested approval to transition utility billing to Infor Public Sector at this time.

Director Hamilton asked for confirmation the only package that would remain with Springbrook would be the finance package. Mr. Kennedy confirmed this was correct. Discussion ensued regarding the high costs involved with moving both the finance package.

Mr. Kennedy explained the main features and updated system that would benefit the District and staff.

Director Hamilton expressed concern by approving the staff recommendation, it would limit staff in researching other options available by the same vendor. Mr. Kennedy assured the Board staff would continue to research all alternatives for the remaining finance package.

Motion:

Staff Recommendation Option 1 - Approve a change order with Infor Public Sector, Inc. for the procurement of IPS Utility Billing Software in the amount of \$44,366.40.

Action: Approve, Moved by Director Hamilton, Seconded by Director Stewart.

Vote: Motion carried by unanimous vote (summary: Ayes = 5).

Ayes: Director Mack, Director Brazier, Director Hamilton, Director Stewart, Director Gasca.

23. AUTHORIZATION TO ATTEND UPCOMING MEETINGS / CONFERENCES / SEMINARS

Mr. Kennedy reported there would be another workshop scheduled to discuss this matter at a date to be determined by the Board. He confirmed this would be a Special Board meeting. It was determined the meeting would be on Tuesday, September 5, 2017 at 1:00 p.m. in the Board Room.

(*) - Asterisk indicates a report is attached.

DRAFT

DRAFT

DRAFT

Mr. Kennedy pointed out the Board would need to decide whether to attend the CSDA Annual Conference scheduled in Monterey, CA for September 25-27, 2017. Director Mack expressed interest in attending. It was noted the conference will take place on the same date at the RMWD Regular Board meeting. Mr. Kennedy explained this was the annual conference whereas the conference attended in July was the CSDA Leadership Academy.

Director Stewart stated he would rather attend the ACWA Conference as opposed to the CSDA Annual Conference this year.

Director Hamilton requested the dates for upcoming training workshops.

Motion:

Approve all travel expenses, registration, hotel, plus a per diem of \$150.00 for each day of attendance at the CSDA Annual Conference for Director Michael Mack.

Action: Approve, Moved by Director Stewart, Seconded by Director Gasca.

Vote: Motion passed (summary: Ayes = 4, Noes = 1, Abstain = 0).

Ayes: Director Mack, Director Hamilton, Director Stewart, Director Gasca.

Noes: Director Brazier.

Director Brazier expressed concern with how fast they were running through the budget.

Mr. Mack reported although he did not win the election for the CSDA seat; however, he was offered to serve on one of their committees. He stated meetings would be 3-4 times per year. He expressed an interest in serving on the committee; therefore, he would like to submit the required paperwork for the selection process. It was determined this should be a part of the discussion at the September 5, 2017 Special Board meeting.

***24. RECEIVE AND FILE INFORMATION AND FINANCIAL ITEMS FOR JUNE/JULY/AUGUST 2017**

A. General Manager Comments

1. Meetings, Conferences and Seminar Calendar

B. Communications

1. Ratepayer Communications

C. Operations Comments

1. Operations Report

D. Engineering Comments

1. Engineering Report

E. Customer Service Comments

1. Customer Service Report

F. Human Resource & Safety Comments

1. Human Resources Report

G. Finance Manager Comments

1. Interim Financial Statement
2. Credit Card Breakdown
3. Directors' Expense
4. Check Register
5. Water Sales Summary

(*) - Asterisk indicates a report is attached.

DRAFT

DRAFT

DRAFT

6. RMWD Sewer Equivalent Dwelling Units (EDU's) Status

Mrs. Kirkpatrick gave an update on the Moosa Creek project sharing pictures of the progress being made. Mr. Kennedy noted Tory Walker Engineering will be finalizing their report. Discussion followed.

Mr. Kennedy notified the Board they will need to get their emails on RMWD established. He also talked about the new portal purchased for streamlining the agenda packet process. He pointed out there will be significant savings in staff time as well in beneficial features for the Board of Directors.

Mrs. Harp introduced Jessica White as the temporary Human Resources Technician.

Director Gasca referenced the ratepayer letter thanking the staff members involved for their excellent customer service.

Motion:

To receive and file information and financial items.

Action: Approve, Moved by Director Stewart, Seconded by Director Mack.

Vote: Motion carried by unanimous vote (summary: Ayes = 5).

Ayes: Director Mack, Director Brazier, Director Hamilton, Director Stewart, Director Gasca.

25. LIST OF SUGGESTED AGENDA ITEMS FOR THE NEXT REGULAR BOARD MEETING

It was noted any Administrative Code changes related to Board travel and per diems, award of the Groundwater Desalter study contract, and the Golf Green Estates agreement should be on the September meeting agenda.

The meeting adjourned to Closed Session at 3:00 p.m.

The meeting reconvened again at 4:12 p.m.

Discussion returned to Item #8.

26. ADJOURNMENT - To Tuesday, September 25, 2017 at 1:00 p.m.

The meeting was adjourned with a motion made by President Brazier to a Special meeting on September 5, 2017 at 1:00 p.m.

The meeting was adjourned at 4:15 p.m.

Helene Brazier, Board President

Dawn M. Washburn, Board Secretary

(*) - Asterisk indicates a report is attached.



**SUMMARY OF FORMAL BOARD OF DIRECTORS' MEETING
AUGUST 24, 2017**

- 9-1. Notice of Completion for the San Vicente Dam Inclinometer Installation project.
The Board authorized the General Manager to accept the San Vicente Dam Inclinometer Installation project as complete, record the Notice of Completion, and release funds held in retention to Crux Subsurface, Inc. following the expiration of the retention period.
- 9-2. Agreements for the management of water quality south of Mission Trails Flow Regulatory Structure.
The Board authorized the General Manager to negotiate and execute agreements as needed with up to five member agencies to address water quality challenges south of the Mission Trails Flow Regulatory Structure.
- 9-3. Professional Services Contract for the System Seismic Vulnerability Assessment.
The Board authorized the General Manager to award a professional services contract to Kleinfelder, Inc., in an amount not to exceed \$250,000 to complete the System Seismic Vulnerability Assessment.
- 9-4. Approve the Water Shortage Contingency Plan.
The Board approved the Water Shortage Contingency Plan.
- 9-5. Resolution authorizing the General Manager to submit an application and administer grant funds for Proposition 1 Round 4 Desalination Grant Funding.
The Board adopted Resolution No. 2017-14 establishing that the General Manager is authorized to sign and file for, on behalf of the Water Authority, an application for funding from the California Department of Water Resources' Water Desalination Grant Program (Proposition 1 Round 4) in an amount not to exceed \$10,000,000 for the Lewis Carlsbad Desalination Plant Intake Modifications; the Water Authority will comply with all applicable state and federal statutory and regulatory requirements related to any federal and state funds received; and, the General Manager or designee is authorized to negotiate and execute a funding agreement and any amendments thereof, and certify funding disbursements on behalf of the Water Authority.
- 9-6. Adopt positions on various federal bills.
The Board adopted a position of Support on H.R. 448 (Huffman) and S. 1464 (Feinstein), relating to the exclusion of water conservation rebates from federal income tax.
- 9-7. Anticipated Litigation.
The Board approved General Counsel to engage counsel and initiate an action, and the action, the defendants, and the other particulars shall, once formally commenced, be disclosed to any person upon inquiry, unless to do so would jeopardize the agency's ability to effectuate service of process on one or more unserved parties, or that to do so would jeopardize its ability to conclude existing settlement negotiations to its advantage.



- 9-8. Anticipated Litigation.
The Board approved General Counsel's continued engagement of counsel to represent Director Keith Lewinger and the Water Authority in regards to MWD Ethics Office issues.
- 9-9. Monthly Treasurer's Report on Investments and Cash Flow.
The Board noted and filed monthly Treasurer's Report.
- 9-10. Resolution establishing amount due from the City of San Diego for the In-Lieu Charge as a condition of providing water service for Fiscal Year 2018.
The Board adopted Resolution 2017-15 establishing an amount due of \$2,237,607.80 from the City of San Diego for the In-Lieu charge for Fiscal Year 2018.
- 9-11. Ordinance amending Chapter 2.00 of the Administrative Code.
The Board adopted Ordinance No. 2017-05, an ordinance of the board of directors of the San Diego County Water Authority amending Chapter 2.00 of the Administrative Code.



TO: Rainbow Municipal Water District
FROM: Alfred Smith
DATE: September 26, 2017
RE: Attorney Report: Public Records Act
501668-0002

I. INTRODUCTION.

This attorney report provides an update on a recent case involving the Public Records Act and the recovery of attorneys' fees. In *Sukumar v. City of San Diego*, Case No. D071527 (August 15, 2017), the California Court of Appeal for the Fourth Appellate District awarded attorneys' fees to a plaintiff who challenged the City's response to a Public Records Act request.

In its decision, the appellate court specifically stated that the "losing party may still be deemed a prevailing party entitled to an attorney fee award." The rationale is that the plaintiff has prevailed under the Public Records Act when he or she files an action that results in the defendant public agency releasing a copy of a previously withheld document. Thus, a plaintiff need not achieve a favorable *final judgment* to be a prevailing party in Public Records Act litigation. An agency's *voluntary action* in providing public records that is induced by a plaintiff's lawsuit will still support an attorney fee award if the lawsuit "spurred the agency to act or was a catalyst speeding the agency's response."

The *Sukumar* decision underscores the power of the remedies available to enforce the public's right to inspect non-exempt public records. This is true even if there is no evidence an agency has intentionally withheld public records, because bad faith is not the test. Rather, a plaintiff prevails in Public Records Act litigation when he or she files an action that results in the defendant public agency releasing a copy of a document that was previously withheld, regardless of the reason.

II. BACKGROUND.

1. The Public Records Act.

The California Public Records Act provides for public inspection of records maintained by state and local agencies and declares that "access to information concerning the conduct of the people's business is a fundamental and necessary right of every person in this state." To effectuate the public's right to see public records

subject to disclosure, the Public Records Act allows any person to institute proceedings for injunctive or declarative relief or writ of mandate. Moreover, the “prevailing party” in Public Records Act litigation is entitled to attorney fees. The fee award “is mandatory if the plaintiff prevails.”

2. Facts.

The plaintiff Sukumar owns a home in San Diego (“the Property”). In about 1992, Sukumar's neighbors began complaining to the City about Sukumar's use of the Property. These complaints mostly involved parking issues and noise. In 2006, the City ordered Sukumar to take "immediate action to correct" municipal code violations occurring on the Property that constituted "a public nuisance." However, the City decided to not pursue the matter absent additional neighbor complaints.

In 2015, Sukumar's attorney delivered a request to the City for "production of documents and information." The request sought 54 separate categories of documents, all relating to any neighbor's complaints about Sukumar. The City designated one of its employees to be responsible for providing a written response to the request and coordinating the production of responsive documents.

Twenty-four days after the request, the City wrote to Sukumar's attorney, stating that some potentially responsive documents were exempt from disclosure, and responsive, nonexempt records would be made available for Sukumar's review. The City then responded to the request and made various responsive, non-exempt records available for Sukumar's review. The City later affirmed that it had “searched as broadly and thoroughly as possible to locate documents requested.”

Sukumar's attorney remained unconvinced that the City had produced all documents responsive to its request, and sought a writ of mandate to compel production of documents. Among other things, Sukumar argued that some of the documents the City produced demonstrated that other responsive records had not been produced.

III. COURT'S ANALYSIS.

At trial, the City's attorney represented that the City had produced everything. Following the trial court's order of depositions of “persons most knowledgeable,” however, the City produced additional documents. The trial court considered the City's delay in producing responsive documents reasonable and the result of mere oversight. The court thus denied Sukumar's motion for approximately \$94,000 in attorney fees plus \$5,400 to prepare the fee motion.

On appeal, the Court noted that California's courts take a pragmatic approach in defining a “prevailing party.” To justify a fee award under this so-called “catalyst theory,” there must be a causal connection between the lawsuit and the relief obtained.

In other words, the litigation must have been the “motivating factor” for the production of documents that otherwise would not have been produced. The Court thus held that:

“In the face of the City’s unequivocal assertion . . . that it had already produced everything, the conclusion seems inescapable that but for Sukumar’s persistent demand for discovery and the court-ordered depositions that resulted from those efforts, the City would not have produced any additional responsive documents.”

Moreover, the Court declared that:

“The *effect* of the City’s inability or unwillingness to locate and produce these documents until court-ordered discovery ensued . . . is tantamount to withholding requested information from a PRA request.” (Emphasis in original).

The Court of Appeal thus reversed the trial court because the City produced, among other things, five photographs of Sukumar’s property and 146 pages of e-mails directly as a result of court-ordered depositions. The Court then remanded the case back to the trial court to determine the amount of attorney fees to which Sukumar is entitled.

IV. CONCLUSION.

The appellate court’s ruling confirms that litigation under the Public Records Act is one of the rare instances where a losing party may still be deemed a prevailing party entitled to an attorney fee award.

In *Sukumar*, the City produced all requested records before the court’s ruling; the trial court dismissed the plaintiff’s case because the City had “in some fashion” produced all responsive documents; and the trial court ruled that the plaintiff’s petition was “moot” because all responsive documents had been produced. Notwithstanding these findings by the trial court, the appellate court ordered an award of attorneys’ fees because the litigation “motivated” production of additional documents.

Indeed, the court’s decision illustrates the practical difficulties of the Public Records Act, including practical difficulties related to record storage and risks involved with Public Records Act litigation. In *Sukumar*, some of the records were archived on “old hard drives,” making it difficult for the City to search for and obtain those records. In addition, recent Public Records Act cases now allow civil discovery, including depositions, which creates the risk of new documents being obtained after an agency originally concluded its document review.

The *Sukumar* decision underscores that it is crucial for agencies responding to Public Records Act requests to communicate clearly with the requestor, maintain a posture of cooperation and production, and document the scope of any production and any agreements reached with the requestor throughout the production process. Under the court's ruling, following these steps will be helpful in forestalling a writ filing while a records search is exhausted and production is made.

If litigation is brought, the agency must be absolutely certain it has made a complete production or is prepared to defend what it has produced or declined to produce. Producing additional records after litigation is filed may allow the requesting party to recover attorneys' fees.

AES/AES

**MINUTES OF THE BUDGET AND FINANCE COMMITTEE MEETING
OF THE RAINBOW MUNICIPAL WATER DISTRICT
AUGUST 8, 2017**

1. **CALL TO ORDER:** The Budget & Finance Committee meeting of the Rainbow Municipal Water District was called to order by Chairperson Stitle on August 8, 2017 in the Board Room of the District Office at 3707 Old Highway 395, Fallbrook, CA 92028 at 1:05 p.m. Chairperson Stitle presiding.

2. **PLEDGE OF ALLEGIANCE**

3. **ROLL CALL:**

Present: Member Stitle, Member Ross, Alternate Martinez.

Also Present: General Manager Kennedy, Executive Assistant Washburn, Engineering Manager Kirkpatrick, Human Resources Manager Harp.

Absent: Member Hensley, Member Moss.

Three members of the public were present.

4. **SEATING OF ALTERNATES**

Mr. Stitle noted Mrs. Martinez would be seated for this meeting.

5. **ADDITIONS/DELETIONS/AMENDMENTS TO THE AGENDA (Government Code §54954.2)**

Mr. Kennedy requested an item to discuss finance software options.

6. **PUBLIC COMMENT RELATING TO ITEMS NOT ON THE AGENDA (Limit 3 Minutes)**

Flint Nelson introduced himself noting he was interested in serving on the committee and was here to observe the committee meeting. He briefed the committee on his background and experience.

COMMITTEE ACTION ITEMS

7. **COMMITTEE MEMBER COMMENTS**

There were no comments.

*8. **APPROVAL OF MINUTES**
A. July 11, 2017

Motion:

Approve the minutes as written.

Action: Approve, Moved by Member Ross, Seconded by Member Stitle.

Vote: Motion carried by unanimous vote (summary: Ayes = 3).

Ayes: Member Stitle, Member Ross, Alternate Martinez.

9. DEVELOPMENT UPDATE

A. San Luis Rey Residences

Mrs. Kirkpatrick presented a map of the development site noting the projected dates for the models and construction completion.

Mr. Kennedy talked about one parcel around which the development was built and how the matter of the meter to the property may come before the Board in the future.

10. CAPITAL PROJECT UPDATE

Mrs. Kirkpatrick noted she recommended these updates be brought to the committee on a quarterly basis since the changes each month may be minimal. She confirmed the cost for the Weese project would be reduced. She updated the committee on the Rainbow Heights Pump Station, Caltrans project, and Lift Station 1. She verified RMWD has not been notified of any environmental issues associated with these projects.

Mr. Kennedy provided an update on the SDG&E project; however, it was now in the hands of ITRON to complete contractually. He also talked about the Morro Tank zone and how RMWD was looking at different options for this facility.

11. DISCUSSION REGARDING INVOLVEMENT OF COMMITTEE DURING FUTURE SALARY/MOU NEGOTIATIONS

Mr. Kennedy noted this matter has come up during the past two meetings. He pointed out the purpose of the committee was to review the budget and other financial expectations of the District. He stated the negotiations were the sole responsibility of the Board.

Mr. Kennedy noted the budget was mostly completed prior to the conclusion of negotiations; therefore, the terms of the contract were structured to fit within the budget approved by the Board of Directors. He provided some examples.

Mr. Stitle asked which benefits were required to be offered by the District. Mr. Kennedy explained other than those required by law, the Board can determine which benefits are to be offered. Mr. Ross explained the committee discussion was to offer the Board another set of eyes when reviewing the specific areas related to financial aspects that may arise during the negotiations process. Mr. Kennedy offered to hold a workshop with the committee prior to the start of negotiations as a means of seeking the committee's advice; however, once negotiations start the committee's involvement would cease.

Mr. Kennedy mentioned the recent negotiations process was very thorough with give and take from both RMWD and the employees. He talked about some of the terms restructured.

Mrs. Harp explained some of the financial aspects related to medical health care options available to District employees.

Discussion ensued regarding CalPERS and Social Security benefits. It was confirmed RMWD does contribute to both.

11A. FINANCIAL SOFTWARE OPTIONS (Added per Item #5 herein).

Mr. Kennedy talked about how the newly acquired financial software has proven to be less beneficial to the District than anticipated; therefore, staff was considering other financial software options including Infor. He explained some of the challenges with the current software as well as potential alternatives. He talked about some of the features with one of the alternatives that would benefit the District immensely.

It was noted the new software being considered was related to utility billing and not accounting software.

Mrs. Martinez pointed out Infor has the capabilities to handle the new rate structure as opposed to Springbrook which would have been a manual process.

Mr. Ross pointed out although there may be more expense with the new software, the savings from having a fully functional program that will last for many years to come would justify the costs. Discussion followed.

12. REVIEW THE FOLLOWING:

- A.** Income Statement
- B.** Balance Sheet
- C.** Cash Flow

Mrs. Martinez pointed out all the financial statements presented are preliminary due to the year-end processing was not yet completed. She noted auditors were on site reviewing RMWD's internal controls. She explained there was a great deal of revenue recognition and clean up to be done on the interim financials; however, a preliminary report was provided in a handout. She reviewed the information.

Mr. Kennedy mentioned the August edition of the newsletter focused on the breakdown in all the water costs with the purpose of engaging the public in both the financial and engineering aspects of RMWD. Discussion followed.

Mr. Flint inquired about the costs for capital projects. Mr. Kennedy explained most of these costs are paid with developer fees. Discussion followed regarding the money received from the State Revolving Fund as well as Ordinance 95-1. Discussion ensued.

13. LIST OF SUGGESTED AGENDA ITEMS FOR THE NEXT SCHEDULED BUDGET AND FINANCE COMMITTEE MEETING

It was decided committee membership, AMI, rate model update, financial software update need to be on the next agenda and the Capital Project Update item be moved to quarterly as opposed to monthly.

14. ADJOURNMENT

The meeting was adjourned with a motion made by Member Ross. Seconded by Member Stitle.

The meeting adjourned at 2:58 p.m.

Harry Stitle, Committee Chairperson

Dawn M. Washburn, Board Secretary

**MINUTES OF THE COMMUNICATIONS COMMITTEE MEETING
OF THE RAINBOW MUNICIPAL WATER DISTRICT
AUGUST 7, 2017**

1. **CALL TO ORDER** – The Communications Committee Meeting of the Rainbow Municipal Water District on August 7, 2017 was called to order by Chairperson Daily at 3:34 p.m. in the Board Room of the District, 3707 Old Highway 395, Fallbrook, CA 92028. Chairperson Daily, presiding.

2. **PLEDGE OF ALLEGIANCE**

3. **ROLL CALL:**

Present: Member Daily, Member Kirby, Alternate Gray.

Also Present: General Manager Kennedy, Executive Assistant Washburn.

Absent: Member Kurnik, Member Hamilton.

Two members of the public were present.

4. **SEATING OF ALTERNATES**

Mr. Daily noted Mrs. Gray would be seated for this meeting.

5. **ADDITIONS/DELETIONS/AMENDMENTS TO THE AGENDA (Government Code §54954.2)**

There were no changes to the agenda.

6. **PUBLIC COMMENT RELATING TO ITEMS NOT ON THE AGENDA**

Mr. Schinn was introduced as a member of the public interested in possibly serving on the committee.

COMMITTEE ACTION ITEMS

*7. **APPROVAL OF MINUTES**

A. July 10, 2017

Motion:

To approve the minutes as written.

Action: Approve, Moved by Alternate Gray, Seconded by Member Kirby.

Vote: Motion carried by unanimous vote (summary: Ayes = 3).

Ayes: Member Daily, Member Kirby, Alternate Gray.

8. FACILITY NAMING COMMUNICATIONS EFFORTS

Mr. Kennedy explained the purpose of renaming the facilities as a means of having them named relative to their location for easier identification. He stated once the signage is complete, there will be an update provided to the committee; therefore, it was not necessary to keep this as a standing committee agenda item.

9. NEW BILLING NOTIFICATIONS AND MARKETING

Mr. Kennedy explained until RMWD determines which utility billing product to be utilized, he recommends delaying any billing formats and marketing. Discussion followed.

10. COMMUNICATIONS PLAN/TOPICS/STRATEGIC PLAN OBJECTIVES

Mrs. Gray noted there were no new proposed changes to the strategic plan that affect communications. Mr. Daily explained the purpose of the plan and that how it is periodically updated based on goal setting and accomplishments.

Mr. Kennedy referenced the August 2017 RMWD newsletter while noting this edition was dedicated to explaining the new rate structure as well as future needs for the system. Discussion followed.

It was noted public participation and input is encouraged on all topics published in the District newsletter.

Mr. Kennedy talked about how the San Diego Chapter of CSDA was putting together new ideas for educating school-age children on special districts. He stated Mrs. Gray will be working with the local school system to encourage classroom participation in educational programs and how this may be something with which the committee members may like to assist.

Mr. Kennedy asked Mrs. Gray to have the communications list available at the next committee meeting for review.

11. REVIEW AND ANALYSIS OF RMWD RELATED MEDIA STORIES

There was no discussion.

12. COMMITTEE MEMBER COMMENTS

Mrs. Kirby announced next month would be her last month on the committee. Discussion took place regarding moving the committee meeting to another day of the week to accommodate the member's schedules. Ms. Washburn offered to have Mrs. Kirby's Form 700 prepared in advance should the meeting date not change.

13. LIST OF SUGGESTED AGENDA ITEMS FOR THE NEXT SCHEDULED COMMUNICATIONS COMMITTEE MEETING

It was noted the potential meeting date change, billing format and marketing, committee membership, revised outreach timeline.

14. ADJOURNMENT

The meeting was adjourned to September 11, 2017 at 3:30 p.m. by Mr. Daily.

The meeting adjourned at 4:39 a.m.

Mike Daily, Committee Chairperson

Dawn M. Washburn, Board Secretary

**MINUTES OF THE ENGINEERING SERVICES COMMITTEE MEETING
OF THE RAINBOW MUNICIPAL WATER DISTRICT
AUGUST 2, 2017**

1. **CALL TO ORDER** – The Engineering Services Committee Meeting of the Rainbow Municipal Water District on August 2, 2017 was called to order by Chairperson Prince at 3:00 p.m. in the Board Room of the District, 3707 Old Highway 395, Fallbrook, CA 92028. Chairperson Prince, presiding.

2. **PLEDGE OF ALLEGIANCE**

3. **ROLL CALL:**

Present: Member Prince, Member Stitle, Member Taufer, Member Ratican, Member Robertson, Member Marnett.

Also Present: Engineering Manager Kirkpatrick, Associate Engineer Powers, Eng. Tech. Rubio

Absent: Member Brazier and Alternate Kirby.

There was one public member present: Mr. Rick Kennedy (IEC).

4. **SEATING OF ALTERNATES**

There were no seating of alternates.

5. **ADDITIONS/DELETIONS/AMENDMENTS TO THE AGENDA (Government Code §54954.2)**

Mrs. Kirkpatrick requested revising Agenda Item 8 to “Discussion and Possible Action of Weese Interconnect”.

6. **PUBLIC COMMENT RELATING TO ITEMS NOT ON THE AGENDA**

There were no public comments.

COMMITTEE ACTION ITEMS

*7. **APPROVAL OF MINUTES**

A. July 5, 2017

Motion: Accept the minutes as written.

Action: Approve, Moved by Member Robertson, Seconded by Member Stitle.

Vote: Motion carried by unanimous vote (summary: Ayes = 6).

Ayes: Member Prince, Member Stitle, Member Taufer, Member Ratican, Member Robertson, Member Marnett.

8. **WEESE INTERCONNECT UPDATE: *DISCUSSION AND POSSIBLE ACTION***

Mrs. Kirkpatrick introduced Rick Kennedy from IEC that would be providing an update on the Weese Interconnect Project. Rick Kennedy said the primary goal was to obtain water from the Weese Water Filtration Plant to provide temporary water during SDCWA aqueduct shutdowns and to provide another source of water and the secondary goal would be to provide a permanent pump station to facilitate receiving the water from Oceanside for other times. He pointed out the potential savings of \$135,000+ per year with Oceanside's reclaim water program making more water available. He went over possible locations of the interconnection and pump station. He said the available water during non-summer months (November-April) was estimated at 1,500 AF per year, which comprised about 80% of the District's demand in that part of the District's zone over the same period of time. Discussion ensued.

Rick Kennedy discussed the following pump station configuration alternatives:

Alternative 1: District's Pump Skid with Minor Modifications

Alternative 2: Repackage District's Pump Skid – Six Pumps

Alternative 3: New Pre-engineered Pump Station – Three Pump Configuration

Rick Kennedy said after evaluating the three alternatives, Alternative 1 was selected per the following advantages:

- Lowest Cost - \$620,000 versus \$900,000
- ROI is 22% versus 15%
- Payback is 4.6 years versus 6.7 years
- \$280,000 capital savings outweighs O&M issues, including replacing motors and VFDs

Motion: Recommend selection of Alternative 1 to the Board.

Action: Approve, Moved by Member Robertson, Seconded by Member Stitle.

Vote: Motion carried by unanimous vote (summary: Ayes = 6).

Ayes: Member Prince, Member Stitle, Member Taufer, Member Ratican, Member Robertson, Member Marnett.

9. **UPDATE ON AMI**

Mrs. Kirkpatrick said the AMI data has shown numerous failures with the meter data. Mr. Powers said the data was being read although the data collector technology was unable to keep up with the data. He said SDG&E was in the process of working through the issues. Discussion ensued.

10. **DISCUSSION AND POSSIBLE ACTION ON WATER AND SEWER POLICY REVISIONS**

Mrs. Kirkpatrick provided a copy of the final draft sewer policy for review and discussion. She provided a summary of the revisions as follows:

- Distinction was made between a sewer connection application and a permit. The customer has two years to connect starting from the application date, if no connection is made the application expires and the District will refund the applicant, less administrative fees.
- The sewer permit becomes effective only when the sewer applicant connects.

- The sewer application shall not expire and need not be renewed if prior to the expiration of its term, a building permit has been issued by the County of San Diego. In this case the District's application shall expire upon the expiration of the building permit.

Mr. Radican referenced Section 9.05.060 Septic Tank Conversion and recommended removing the section since the District does not regulate septic tanks. Mrs. Kirkpatrick mentioned the section was there for customers requesting to abandon their septic tanks and submitting a sewer application to connect to the District's sewer system. She suggested adding language to this section to follow County of San Diego regulations. Discussion ensued.

- Project Commitments - prior to the District committing to subdivisions the applicant must pay 50% of the connection fees at the time of commitment and the fees were non-refundable.

Mrs. Kirkpatrick said she would bring the Water Policy revisions regarding refunds and term limits at the next committee meeting.

Motion: Recommend approval of the final draft sewer policy.

Action: Approve, Moved by Member Stitle, Seconded by Member Robertson.

Vote: Motion carried by unanimous vote (summary: Ayes = 6).

Ayes: Member Prince, Member Stitle, Member Taufer, Member Ratican, Member Robertson, Member Marnett.

11. CAPITAL IMPROVEMENT PROGRAM UPDATE

Mrs. Kirkpatrick provided a copy of the approved CIP Budget and briefly went over the following items:

- Gird/Monserate: 90% design completed.
- San Luis Rey: RFP is out and due at the end of August 2017, going forward with the next steps, i.e drilling wells, basin modeling, wells, etc.
- Knottwood Waterline: Construction starts August 8, 2017.
- Pump Station1: 90% design completed.
- Conditions Assessment: Under design.
- Monitoring Program: Planning stages.
- Morro Tank: Conducting studies.
- Isolation Valve: Adding more valves to the District's system.
- Highway 76: Wrapping up taking care of punch list items.
- Lift Station 1: Under design.
- Sewer System Flow Monitoring: Planning on adding more flow monitors.

12. CONDITION ASSESSMENT UPDATE

Mrs. Kirkpatrick said there was a kick off meeting with the consultant and Operations Department to go over the condition of the water pipes. She provided a graph showing the age of the pipelines.

She pointed out that a lot of the failures were not just due to the age of the pipe, but also due to the contractor's workmanship on the joints. She said the consultant was also identifying specific contractors' repair work. She mentioned the consultant would be providing a presentation around October 2017 when additional data was collected. Discussion ensued.

13. LIST OF SUGGESTED AGENDA ITEMS FOR THE NEXT SCHEDULED ENGINEERING SERVICES COMMITTEE MEETING

The following agenda items were suggested for the next Engineering Committee Meeting:

- Water Policy Update
- AMI

14. ADJOURNMENT

The meeting adjourned at 4:41 p.m.

Timothy Prince, Committee Chairperson

Dawn M. Washburn, Board Secretary

BOARD OF DIRECTORS

September 26, 2017

SUBJECT

DISCUSSION AND POSSIBLE ACTION TO ADOPT ORDINANCE NO. 17-12 AMENDING AND UPDATING ADMINISTRATIVE CODE CHAPTER 8.11 – CONNECTION AND METER CHARGES

BACKGROUND

The provisions of the Administrative Code related to the term of applications for the water policy were reviewed as part of the changes in water capacity fees. At the July 25, 2017 Board Meeting the Board adopted revisions to the policy in relation to the capacity fees and the subsequent meeting on August 22, 2017 the Board adopted revisions to the sewer policy. Based on the review of staff and the Engineering Services Committee, additional revisions are proposed to update the water policy.

DESCRIPTION

Staff would like to clarify in the policy the term of the application period for a water connection. Currently the water policy is silent on the term. This requires administrative tracking of applications that do not make a connection. There are also existing applicants that purchased capacity at previous rates that have been sitting on it and the water policy is silent about requiring the capacity fees be brought current. Staff would like to make the term the same as the sewer application by limiting it to two years. If a developer does not move forward with the project during the term of the application, the fees will be refunded minus administrative costs to the applicant. Administrative cost can be tracked through the District's asset management software which would include the application process, expiration tracking, notifying the applicant of expiration and sending a check with reimbursement of capacity fees. This will eliminate the time-consuming process of tracking applications for an essentially unlimited period.

The water application policy will also include similar language as the sewer application policy to require documentation if a developer would like to transfer the application to a new owner during the term of the application.

If approved this will apply to the existing meter applications that have not connected to our system. The applicants will be notified about the policy and two-year term.

Attached you will find Ordinance No. 17-12 for adoption and the revisions to Chapter 8.11 – Connection and Meter Charges and final draft of 8.11 – Connection and Meter Charges.

POLICY/STRATEGIC PLAN KEY FOCUS AREA

Chapter 8, Water Policy

BOARD OPTIONS/FISCAL IMPACTS

Revenue from capacity fees which are only used to fund the Capital Improvement Program.

1. Adopt Ordinance No. 17-12 amending and updating Administrative Code Chapter 8.11 – Connection and Meter Charges.
2. Adopt Ordinance No. 17-12 amending and updating Administrative Code Section 8.11 – Connection and Meter Charge with revisions.
3. Provide staff with further direction.
4. Do not approve Ordinance No. 17-12 amending and updating Administrative Code Chapter 8.11 – Connection and Meter Charges.

STAFF RECOMMENDATION

Staff recommends Option 1.

Michael Powers
Acting Engineering Manager

9/26/2017

Ordinance No. 17-12

**Ordinance of the Board of Directors of the Rainbow Municipal Water District
Amending the Administrative Code Chapter 8.11 – Connection and Meter
Charges**

WHEREAS, the Rainbow Municipal Water District has, from time to time, adopted various rules and regulations for the operation of the District; and

WHEREAS, certain of those rules and regulations require updating to reflect best practices, as well as changes in applicable laws; and

WHEREAS, the Board of Directors has determined that changes in the rules or regulations of the District shall occur solely by amendment to the Administrative Code;

NOW, THEREFORE,

BE IT ORDAINED by the Board of Directors of Rainbow Municipal Water District as follows:

1. The following rules and regulations of the District, collected are hereby adopted and shall be incorporated into the Administrative Code, consisting of:

8.11 Connection and Meter Charges

2. The General Manager is hereby directed to update the Administrative Code to reflect the approval of these rules and regulations, and to assign or reassign the numbering of the Administrative Code as necessary to codify these rules and regulations as amended.

3. This ordinance shall take effect immediately upon its adoption on this 26th day of September, 2017.

AYES:
NOES:
ABSTAIN:
ABSENT:

Helene Brazier, Board President

ATTEST:

Dawn Washburn, Board Secretary

Service will be commenced after submittal of an application and on payment to the District of the applicable fees, charges, and deposits as set forth in this Section.

**Section 8.11.010
Fees and Charges**

At the time an Applicant files an application for a service connection and as a condition of District's acceptance of said application, the Applicant shall pay to the District the amount in established, current published fee schedule. If said application is for a connection to District facilities constructed as provided under this policy or to other line extensions or facilities being acquired by the District under an agreement that requires the District to make an additional charge for said connection, then the Applicant shall also pay to the District such sum as the District is obligated to pay under the agreement for acquisition of said facilities.

**Section 8.11.020
Transfer of Meter**

No installation or meter charge will be billed upon the change of Ownership or property unless the service is changed. If, at any time, conditions require a larger size or different type of meter than already installed, the Customer shall pay the current meter and service installation charge for the new connection (less a credit to be determined by the District) and any additional capacity charges. If the meter being transferred does not conform to these Rules and Regulations, it shall be changed to conform at the time of transfer.

**Section 8.11.030
Water Capacity Charge**

8.11.030.1 Application

8.11.030.1.2 A water capacity charge shall be paid at the time of the District's approval of an application for a permanent water service. Customer must hire a contractor to install water service per District's standards. Any capacity charges shall be in addition to charges for the actual cost of labor and materials necessary to make the physical connection to the water system by the contractor.

8.11.030.1.2 The capacity charge shall be based on the potential water demands which the Applicant can derive from the District's system and shall be established and adjusted by the Board of Directors from time to time. Funds collected by the District from the capacity charge shall be utilized for capital of facilities used to supply water service within the District.

8.11.030.1.3 The application for water service shall be issued for a term of two years. If no connection is made it shall expire and all rights of application holder resulting from the issuance of such application shall terminate. Fees paid on the application that has expired will be refunded minus administrative costs to the applicant listed on the application.

Formatted: Font: Bold

D:\Temp\trampoline\6fd54e94-fc8d-4678-865a-10395a10b9b2.docx\rmwd-b\Store02\DriveC\Data\Drive-E\ADMINISTRATIVE CODE\Drafts - Not Approved\Updated Water Policy 8\Connection and Meter Charges 8.11.docx\rmwd-b\Store03\BoardFiles\Board Secretary\Administrative Code Working File\Board Admin Code 2005-2006\Water Policy\Connection and Meter Charges 8.11.docx\Approved Ordinance 05-07\8-3-05\Approved by Ordinance 14-07\10-28-14\Amended and Updated 3-22-16 by Ordinance 16-05\Amended and Updated 3-28-17 by Ordinance 17-02\DRAFT

8.11.030.1.4 If application desires to sell the property during the term of the application transfer to the future owner with the same parcel of land and use, the applicant must submit in writing to the District of the transfer. Otherwise, at the expiration of the application for water connection, the connection fees minus administrative costs, will be refunded to the applicant. The parcel and use described in the application must be the same and the new owner must complete a new application. The term of the application will remain the same.

8.11.030.2 Capacity Charge for Increasing Meter Size

If a property owner wishes to increase the size of a water meter serving his/her property and the District determines that such a larger sized meter is appropriate, the difference between the current capacity charge of the new meter and the current capacity charge of the existing meter to be replaced shall be the total capacity charge to be collected. In the event property owner replaces a smaller meter with a larger meter, they must abandon the existing smaller meter lateral. Additional administrative and inspection fees shall apply.

8.11.030.3 Reduction in Meter Size

Reduction of meter size is subject to District approval. Property owner must complete all required District forms. No capacity charge shall be imposed upon and no credit or refund shall be made to a property owner replacing an existing water meter with a meter of smaller size, whether or not any capacity charge was in effect for the larger meter when it was obtained. The difference in capacity between the larger and smaller meter is lost. If the reduction is approved, customer account must be current.

8.11.030.4 Exchange of Meter for Multiple Smaller Meters

Owners of parcels presently receiving water service through a District meter that subdivide their property and apply to exchange their original meter for smaller meters to new legal parcels will be given a credit toward the new capacity charges for the new meters. This credit is equal to the amount of capacity for the meter being replaced at the current capacity charge rate for that meter size. Meters must be downsized and installed concurrently in order to receive credit. Additional administrative inspection fee shall apply.

8.11.030.5 Fire Service Meters

No capacity charge shall be imposed upon a property owner for a water meter obtained and used solely for fire protection purposes. Should it be later determined that other water uses are being made from a fire service meter, the then appropriate capacity charge shall be immediately due and payable or service shall be immediately discontinued.

<D:\Temp\trampoline\6fd54e94-fc8d-4678-865a-10395a10b9b2.docx>\\rmwd-b\Store02\DriveC\Data\Drive-E\ADMINISTRATIVE CODE\Drafts - Not Approved\Updated Water Policy 8\Connection and Meter Charges 8.11.docx\\rmwd-b\Store03\BoardFiles\Board Secretary\Administrative Code Working File\Board Admin Code 2005-2006\Water Policy\Connection and Meter Charges 8.11.docx\Approved Ordinance 05-07\8-3-05\Approved by Ordinance 14-07\10-28-14\Amended and Updated 3-22-16 by Ordinance 16-05\Amended and Updated 3-28-17 by Ordinance 17-02\DRAFT

8.11.03.06 Meter Relocation

Meters shall not be relocated to other parcels of land within the District unless the parcels are abutting and owned by the same Owner. Owner must hire a private contractor with an A license to abandon the existing meter lateral and install a new meter lateral per District Standards. Owner must pay appropriate inspection fees to the District. Relocation of meters is subject to the approval of General Manager.

8.11.03.07 Transfer of Capacity Charges or Meters

Neither capacity charges nor meters shall be transferable to other parcels of land within the District unless the parcels are abutting and owned by the same Owner. Transfer of capacity charges or meters are subject to the approval of the General Manager.

8.11.03.08 Reimbursement of Capacity Charges

Once the water meter for which capacity charges have been paid has been installed in the District's water system and inspected and accepted by the District, no portion of the capacity charges paid for that meter shall be reimbursable.

8.11.03.09 San Diego County Water Authority (SDCWA) Capacity Charges

As required by Section 5.9 of the County Water Authority Act, the District as a member agency of the San Diego County Water Authority shall collect and remit to the Authority the capacity charges imposed by the Authority. The Ordinance of the Authority in effect at the time that a water meter is obtained from the District shall govern the amount of the charge, the persons liable therefore, and the procedures to be followed. The District shall not provide a water meter to a property owner until the property owner has paid to the District the applicable capacity charge of the Authority.

8.11.03.10 Removal of Water Meter

If the Owner of vacant property being serviced no longer requires service and wants a meter removed permanently, the Customer must provide a written request to the District. In addition, the Owner must enter into a Memorandum of Understanding with the District that outlines the terms of the removal of the water meter, including the forfeiture of capacity rights in the system. The District will seal the meter service and remove the meter. The Engineering Department will determine whether the meter lateral will or will not be removed. Per Section 8.11.03.07 no portion of the capacity charges paid for that meter shall be reimbursable. If the Owner requires a meter to serve the property in the future the owner must pay all appropriate fees and capacity fees associated with the purchase of a new water meter at the time of the request. Customer account must be current before removal of water meter.

<D:\Temp\trampoline\6fd54e94-fc8d-4678-865a-10395a10b9b2.docx>\\rmwd-b\Store02\DriveC\Data\Drive-EVADMINISTRATIVE CODE\Drafts - Not Approved\Updated Water Policy 8\Connection and Meter Charges 8.11.docx\\rmwd-b\Store03\BoardFiles\Board Secretary\Administrative Code Working File\Board Admin Code 2005-2006\Water Policy\Connection and Meter Charges 8.11.docx\Approved Ordinance 05-07\8-3-05\Approved by Ordinance 14-07\10-28-14\Amended and Updated 3-22-16 by Ordinance 16-05\Amended and Updated 3-28-17 by Ordinance 17-02\DRAFT

[D:\Temp\trampoline\6fd54e94-fc8d-4678-865a-10395a10b9b2.docx\rmwd-b\Store02\DriveC\Data\Drive-E\ADMINISTRATIVE CODE\Drafts - Not Approved\Updated Water Policy 8\Connection and Meter Charges 8.11.docx\rmwd-b\Store03\BoardFiles\Board Secretary\Administrative Code Working File\Board Admin Code 2005-2006\Water Policy\Connection and Meter Charges 8.11.docx](#) \| Approved Ordinance 05-07\8-3-05\Approved by Ordinance 14-07\10-28-14\Amended and Updated 3-22-16 by Ordinance 16-05\Amended and Updated 3-28-17 by Ordinance 17-02\ **DRAFT**

Service will be commenced after submittal of an application and on payment to the District of the applicable fees, charges, and deposits as set forth in this Section.

**Section 8.11.010
Fees and Charges**

At the time an Applicant files an application for a service connection and as a condition of District's acceptance of said application, the Applicant shall pay to the District the amount in established, current published fee schedule. If said application is for a connection to District facilities constructed as provided under this policy or to other line extensions or facilities being acquired by the District under an agreement that requires the District to make an additional charge for said connection, then the Applicant shall also pay to the District such sum as the District is obligated to pay under the agreement for acquisition of said facilities.

**Section 8.11.020
Transfer of Meter**

No installation or meter charge will be billed upon the change of Ownership or property unless the service is changed. If, at any time, conditions require a larger size or different type of meter than already installed, the Customer shall pay the current meter and service installation charge for the new connection (less a credit to be determined by the District) and any additional capacity charges. If the meter being transferred does not conform to these Rules and Regulations, it shall be changed to conform at the time of transfer.

**Section 8.11.030
Water Capacity Charge**

8.11.030.1 Application

8.11.030.1.2 A water capacity charge shall be paid at the time of the District's approval of an application for a permanent water service. Customer must hire a contractor to install water service per District's standards. Any capacity charges shall be in addition to charges for the actual cost of labor and materials necessary to make the physical connection to the water system by the contractor.

8.11.030.1.2 The capacity charge shall be based on the potential water demands which the Applicant can derive from the District's system and shall be established and adjusted by the Board of Directors from time to time. Funds collected by the District from the capacity charge shall be utilized for capital of facilities used to supply water service within the District.

8.11.030.1.3 The application for water service shall be issued for a term of two years. If no connection is made it shall expire and all rights of application holder resulting from the issuance of such application shall terminate. Fees paid on the application that has expired will be refunded minus administrative costs to the applicant listed on the application.

8.11.030.1.4 If application desires to sell the property during the term of the application transfer to the future owner with the same parcel of land and use, the applicant must submit in writing to the District of the transfer. Otherwise, at the

expiration of the application for water connection, the connection fees minus administrative costs, will be refunded to the applicant. The parcel and use described in the application must be the same and the new owner must complete a new application. The term of the application will remain the same.

8.11.030.2 Capacity Charge for Increasing Meter Size

If a property owner wishes to increase the size of a water meter serving his/her property and the District determines that such a larger sized meter is appropriate, the difference between the current capacity charge of the new meter and the current capacity charge of the existing meter to be replaced shall be the total capacity charge to be collected. In the event property owner replaces a smaller meter with a larger meter, they must abandon the existing smaller meter lateral. Additional administrative and inspection fees shall apply.

8.11.030.3 Reduction in Meter Size

Reduction of meter size is subject to District approval. Property owner must complete all required District forms. No capacity charge shall be imposed upon and no credit or refund shall be made to a property owner replacing an existing water meter with a meter of smaller size, whether or not any capacity charge was in effect for the larger meter when it was obtained. The difference in capacity between the larger and smaller meter is lost. If the reduction is approved, customer account must be current.

8.11.030.4 Exchange of Meter for Multiple Smaller Meters

Owners of parcels presently receiving water service through a District meter that subdivide their property and apply to exchange their original meter for smaller meters to new legal parcels will be given a credit toward the new capacity charges for the new meters. This credit is equal to the amount of capacity for the meter being replaced at the current capacity charge rate for that meter size. Meters must be downsized and installed concurrently in order to receive credit. Additional administrative inspection fee shall apply.

8.11.030.5 Fire Service Meters

No capacity charge shall be imposed upon a property owner for a water meter obtained and used solely for fire protection purposes. Should it be later determined that other water uses are being made from a fire service meter, the then appropriate capacity charge shall be immediately due and payable or service shall be immediately discontinued.

8.11.03.06 Meter Relocation

Meters shall not be relocated to other parcels of land within the District unless the parcels are abutting and owned by the same Owner. Owner must hire a private contractor with an A license to abandon the existing meter lateral and install a new meter lateral per District Standards. Owner must pay appropriate inspection fees to the District. Relocation of meters is subject to the approval of General Manager.

8.11.030.7 Transfer of Capacity Charges or Meters

Neither capacity charges nor meters shall be transferable to other parcels of land within the District unless the parcels are abutting and owned by the same Owner. Transfer of capacity charges or meters are subject to the approval of the General Manager.

8.11.030.8 Reimbursement of Capacity Charges

Once the water meter for which capacity charges have been paid has been installed in the District's water system and inspected and accepted by the District, no portion of the capacity charges paid for that meter shall be reimbursable.

8.11.030.9 San Diego County Water Authority (SDCWA) Capacity Charges

As required by Section 5.9 of the County Water Authority Act, the District as a member agency of the San Diego County Water Authority shall collect and remit to the Authority the capacity charges imposed by the Authority. The Ordinance of the Authority in effect at the time that a water meter is obtained from the District shall govern the amount of the charge, the persons liable therefore, and the procedures to be followed. The District shall not provide a water meter to a property owner until the property owner has paid to the District the applicable capacity charge of the Authority.

8.11.030.10 Removal of Water Meter

If the Owner of vacant property being serviced no longer requires service and wants a meter removed permanently, the Customer must provide a written request to the District. In addition, the Owner must enter into a Memorandum of Understanding with the District that outlines the terms of the removal of the water meter, including the forfeiture of capacity rights in the system. The District will seal the meter service and remove the meter. The Engineering Department will determine whether the meter lateral will or will not be removed. Per Section 8.11.030.7 no portion of the capacity charges paid for that meter shall be reimbursable. If the Owner requires a meter to serve the property in the future the owner must pay all appropriate fees and capacity fees associated with the purchase of a new water meter at the time of the request. Customer account must be current before removal of water meter.

BOARD OF DIRECTORS

September 26, 2017

SUBJECT

DISCUSSION AND POSSIBLE ACTION TO AWARD A PROFESSIONAL SERVICES CONTRACT TO PROVIDE ENGINEERING SERVICES FOR STUDIES TO ADVANCE BONSTALL BASIN DESALTER IMPLEMENTATION AND APPROPRIATE \$152,903 TO THE PROJECT BUDGET

BACKGROUND

Rainbow Municipal Water District (District) provides water to approximately 7,800 meter accounts and currently receives all its water through San Diego County Water Authority (SDCWA) and the Metropolitan Water District of Southern California (MWD).

The District has completed several studies of the Bonsall Groundwater Basin with an objective of developing a reliable local water supply based on recovery of imported water return flows. In May 2017, a technical memorandum (TM) was completed that compared a baseline groundwater extraction and desalination project against three alternatives that supplemented the groundwater supply with indirect potable reuse (IPR). The TM concluded that the District should implement the baseline groundwater desalination project while preserving the IPR alternatives for possible implementation in the future.

The TM recommended several next steps to advance the implementation of the groundwater desalter. The District prepared an RFP to solicit proposals and select the most qualified firm with expertise in the groundwater modeling, water rights, water quality, borings and well construction, and pump testing of wells, desalination plant planning, siting, alternatives, costs, and brine management. The scope of services focuses on the following:

1. Update, validate/calibrate the 2016 groundwater model.
2. Use the model to verify production well yields in the Bonsall Basin.
3. Confirm imported return flow water rights and regulatory structure.
4. Collect groundwater quality data.
5. Exploratory borings for production well sites.
6. Property acquisition, contracts/agreements.
7. Revise and refine desalter project alternatives and costs including brine disposal options.

DESCRIPTION

The District conducted a search and issued a Request for Proposals on July 25, 2017. One firm, Dudek, responded with a proposal by August 30, 2017. The staff and a team of experts reviewed the proposal and evaluated it based on the executive summary, project description, identification of the consultant, project organization and experience, past performance, and the firms local experience. The staff evaluation found that Dudek is experienced and qualified to perform the work, staff selected Dudek for this project with a fee of \$572,903. The District may choose to refine the scope to better fit the needs of the District.

POLICY/STRATEGIC PLAN KEY FOCUS AREA

Strategic Focus Area One: Water Resources. The proposed studies would refine the feasibility of creating a local supply of potable water through desalination of imported water return flow. This would broaden the District's supply beyond strictly imported water.

BOARD OPTIONS/FISCAL IMPACTS

The project is included in the District's CIP budget, with \$450,000 total in expenditures expected in fiscal year 2017-2018. The proposed fee for this Engineering services contract is \$572,903. In addition to this fee, the project is expected to cost an additional \$30,000 for project management and administration by District staff. The total expected budget for this project is \$602,903. Thus, to pay for this project if approved, the board must appropriate an additional \$152,903 to the project budget. These funds are available in the Capital Reserves.

- 1) Authorize staff to award a Professional services contract to Dudek to provide Engineering services for studies to advance Bonsall Basin desalter implementation for a fee of \$572,903 and appropriate an additional \$152,903 to the project budget.
- 2) Provide other direction to staff.

STAFF RECOMMENDATION

Staff recommends Option 1.



Michael Powers
Interim Engineering Manager

September 26, 2017



**RAINBOW MUNICIPAL WATER DISTRICT
3707 S HIGHWAY 395
FALLBROOK CA 92028
(760) 728-1178**

PROFESSIONAL SERVICES AGREEMENT

PROJECT: STUDIES TO ADVANCE BONSALL BASIN DESALTER IMPLEMENTATION
Project No. 600003, Contract No. 17-32

THIS AGREEMENT ("Agreement") is made and entered into this _____ day of **September, 2017** by and between the **RAINBOW MUNICIPAL WATER DISTRICT**, a municipal water district, hereinafter designated as "**DISTRICT**", and **Dudek, a California corporation**, hereinafter designated as "**CONSULTANT**."

RECITALS

- A.** DISTRICT desires to obtain Professional Consulting Services from an independent contractor for the above named Project.
- B.** CONSULTANT has submitted a proposal to provide professional services for DISTRICT in accordance with the terms set forth in this Agreement.
- C.** DISTRICT desires to contract with CONSULTANT as an independent contractor and CONSULTANT desires to provide services to DISTRICT as an independent contractor.
- D.** CONSULTANT has demonstrated its competence and professional qualifications necessary for the satisfactory performance of the services designated herein by virtue of its experience, training, education, and expertise.

NOW THEREFORE, THE PARTIES MUTUALLY AGREE AS FOLLOWS:

1. PROFESSIONAL SERVICES PROVIDED BY CONSULTANT.

- 1.1** The professional services to be performed by CONSULTANT shall consist of the following: Engineering services to conduct studies to advance Bonsall Basin desalter implementation. The scope of services is more particularly defined in Exhibit "A", attached and made a part hereof. Any additional engineering services will be requested in writing as set forth in Section 19.
- 1.2** In performing the services set forth in Exhibit "A", CONSULTANT shall work closely with DISTRICT'S General Manager and staff in performing services in accordance with this

Agreement in order to receive clarification as to the result that DISTRICT expects to be accomplished by CONSULTANT. The General Manager, shall be DISTRICT'S authorized representative in the interpretation and enforcement of all services performed in connection with this Agreement.

1.3 CONSULTANT represents that its employees have the qualifications and skills necessary to perform the services under this Agreement in a competent, professional manner, without the advice or direction of DISTRICT. This means CONSULTANT is able to fulfill the requirements of this Agreement. Failure to perform all services required under this Agreement constitutes a material breach of the Agreement.

2. TERM AND TIMING REQUIREMENTS.

2.1 This Agreement will become effective on the date stated above, and will continue in effect until the earlier of the completion of services provided for in this Agreement or until terminated as provided under Section 14 of this Agreement.

2.2 CONSULTANT'S performance of services under this Agreement shall be in accordance with the schedule outlined below unless otherwise modified in writing as set forth in Section 19. Failure by CONSULTANT to strictly adhere to these timing requirements may result in termination of this Agreement by DISTRICT.

Task	Due Date
Notice to Proceed	October 1, 2017
Draft Summary Report	May 1, 2018
Final Summary Report	September 1, 2018
Final Model Submittal	September 1, 2018

2.3 CONSULTANT shall submit all requests for extensions of time for performance in writing to the General Manager no later than two (2) business days after the commencement of the cause of any unforeseeable delay beyond CONSULTANT'S control and in all cases prior the date on which performance is due if possible. The General Manager shall review all such requests and may grant reasonable time extensions for unforeseeable delays which are beyond CONSULTANT'S control.

2.4 For all time periods not specifically set forth herein, CONSULTANT shall respond in the most expedient and appropriate manner under the circumstances, by telephone, fax, hand delivery, e-mail or mail.

3. STUDY CRITERIA AND STANDARDS.

3.1 All services shall be performed in accordance with applicable DISTRICT, county, state and federal Codes and criteria. In the performance of its professional services,

CONSULTANT shall use the degree of care and skill ordinarily exercised by consultants performing the same or similar work under similar conditions.

4. INDEPENDENT CONTRACTOR.

4.1 CONSULTANT'S relationship to DISTRICT shall be that of an independent contractor in performing all services hereunder. DISTRICT shall not exercise any control or direction over the methods by which CONSULTANT shall perform its services and functions. DISTRICT'S sole interest and responsibility is to ensure that the services covered in this Agreement are performed in a competent, satisfactory and legal manner. The parties agree that no services, act, commission or omission of CONSULTANT or its employee(s) pursuant to this Agreement shall be construed to make CONSULTANT or its employee(s) the agent, employee or servant of DISTRICT. CONSULTANT and its employee(s) are not entitled to receive from DISTRICT vacation pay, sick leave, retirement benefits, Social Security, workers' compensation, disability benefits, unemployment benefits or any other employee benefit of any kind.

4.2 CONSULTANT shall be solely responsible for paying all federal and state employment and income taxes, for carrying workers' compensation insurance and for otherwise complying with all other employment requirements with respect to CONSULTANT or its employee(s). CONSULTANT agrees to indemnify, defend and hold DISTRICT harmless from any and all liability, damages or losses (including attorney's fees, costs, penalties and fines) DISTRICT suffers as a result of CONSULTANT'S failure comply with the foregoing.

4.3 CONSULTANT shall be solely responsible for the performance of any of its employees, agents, or subcontractors under this Agreement. CONSULTANT shall report to DISTRICT any and all employees, agents, and subcontractors performing services in connection with this Agreement, and all shall be subject to the approval of DISTRICT.

4.4 CONSULTANT shall have no authority, express or implied, to act on behalf of as an agent, or to bind DISTRICT to any obligation whatsoever, unless specifically authorized in writing by the General Manager. If CONSULTANT'S services relate to an existing or future DISTRICT construction contract, CONSULTANT shall not communicate directly with, nor in any way direct the actions of, any bidder for that construction contract without the prior written authorization by the General Manager.

5. WORKERS' COMPENSATION INSURANCE.

5.1 By CONSULTANT'S signature hereunder, CONSULTANT certifies that CONSULTANT is aware of the provisions of Section 3700 of the California Labor Code that require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and CONSULTANT will comply with such provisions before commencing the performance of the services of this Agreement.

6. INDEMNIFICATION, HOLD HARMLESS AND DEFENSE.

6.1 All officers, agents, employees and subcontractors, and their agents, who are employed by CONSULTANT to perform services under this Agreement, shall be deemed officers,

agents and employees of CONSULTANT. To the extent and in any manner permitted by law, CONSULTANT shall defend, indemnify, and hold DISTRICT, its directors, officers, employees, authorized volunteers and agents, and each of them free and harmless from any claims, demands, liability from loss, damage, or injury to property or persons, including wrongful death, that arise out of, pertain to, or relate to the negligence, recklessness or willful misconduct of CONSULTANT, including CONSULTANT'S officers, employees and agents, in connection with the services required by this Agreement, including without limitation, the payment of reasonable attorneys' fees and costs. The foregoing indemnity, hold harmless and defense obligation of CONSULTANT shall apply except to the extent the loss, damage or injury is caused by the sole negligence or willful misconduct of an indemnified party.

- 6.2** To the extent and in any matter permitted by law, CONSULTANT shall defend, indemnify and hold DISTRICT, its directors, officers, employees, authorized volunteers and agents, and each of them free and harmless from and against any and all actions, proceedings, damages, costs, expenses, penalties or liabilities, in law or equity, of every kind or nature whatsoever, arising out of, related to or incident to a breach of any governmental law or regulations, compliance with which is the responsibility of CONSULTANT.
- 6.3** CONSULTANT shall defend, at CONSULTANT'S own cost, expense and risk, any and all such aforesaid claims, suits, actions or other legal proceedings of every kind that may be brought or instituted against DISTRICT or DISTRICT'S directors, officers, employees, authorized volunteers and agents, and each of them. DISTRICT shall be consulted regarding and approve of the selection of defense counsel. Should separate counsel be necessary for DISTRICT, as determined by DISTRICT, CONSULTANT shall be responsible to pay for the reasonable attorneys fees and costs including expert fees, as such fees and costs are incurred, for DISTRICT'S legal counsel in addition to CONSULTANT'S own legal fees and costs. In all circumstances, DISTRICT retains the right to retain its own attorneys.
- 6.4** CONSULTANT shall pay and satisfy any judgment, award or decree that may be rendered against DISTRICT or its directors, officers, employees, authorized volunteers and agents, and each of them, in any and all such aforesaid claims, suits, action or other legal proceeding. CONSULTANT shall not agree without DISTRICT'S prior written consent, to any settlement which would require DISTRICT to pay any money or perform some affirmative act, including in the case of intellectual property infringement any payment of money or performance of some affirmative act to continue using CONSULTANT Products.
- 6.5** CONSULTANT shall reimburse DISTRICT and its directors, officers, employees, authorized volunteers and agents, and each of them, for any and all reasonable legal expenses and costs including attorneys' fees incurred by each of them in connection therewith or in enforcing the indemnity, hold harmless and defense obligation herein provided.
- 6.6** CONSULTANT agrees to carry insurance for this purpose as set forth herein including contract liability. Provision of insurance coverage as required by this Agreement shall not affect CONSULTANT'S indemnification, hold harmless and defense obligations. CONSULTANT'S indemnification hold harmless and defense obligation shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for CONSULTANT, subcontractor, supplier or other person under

workers' compensation acts, disability acts or other employee acts or the insurance required by this Agreement. CONSULTANT'S indemnification, hold harmless and defense obligation shall not be restricted to insurance proceeds, if any received by DISTRICT or its directors, officers, employees, authorized volunteers or agents.

6.7 CONSULTANT'S indemnification, hold harmless and defense obligation shall survive the termination or expiration of this Agreement.

7. **LAWS, REGULATIONS AND PERMITS.**

7.1 CONSULTANT shall give all notices required by law and comply with all laws, ordinances, rules and regulations pertaining to the conduct of the services required by this Agreement. CONSULTANT shall be liable for, and bear all costs resulting from, any violations of the law in connection with services furnished by CONSULTANT.

7.2 CONSULTANT shall comply with all of the following requirements with respect to any services as a Building/Construction Inspector, Field Soils and Material Tester, or Land Surveyor, as those trades are defined by the California Department of Industrial Relations ("DIR").

a) CONSULTANT agrees to comply with and require its subcontractors to comply with the requirements of California Labor Code sections 1720 *et seq.* and 1770 *et seq.*, and California Code of Regulations, title 8, section 16000 *et seq.* (collectively, "Prevailing Wage Laws") and any additional applicable California Labor Code provisions related to such work including, without limitation, payroll recordkeeping requirements. CONSULTANT and its subcontractors shall pay not less than the prevailing rate of per diem wages as determined by the Director of the DIR for all services described in this Section 7.2 of the Agreement and as required by law. The general prevailing wage determinations can be found on the DIR website at: [www://dir.ca.gov/dslr](http://www.dir.ca.gov/dslr). Copies of the prevailing rate of per diem wages may be accessed at the DISTRICT'S administrative office, and shall be made available upon request. CONSULTANT shall make copies of the prevailing rates of per diem wages for each craft, classification or type of worker needed to execute the services described in this Section 7.2 of the Agreement available to interested parties upon request, and shall post and maintain copies at CONSULTANT'S principal place of business and at all site(s) where services are performed. Penalties for violation of Prevailing Wage Laws may be assessed in accordance with such laws. For example, CONSULTANT shall forfeit, as a penalty to the DISTRICT, Two Hundred Dollars (\$200) for each calendar day, or portion thereof, for each workman paid less than stipulated prevailing rates for services performed under this Agreement by CONSULTANT, or any subcontractor under CONSULTANT, in violation of Prevailing Wage Laws. CONSULTANT shall defend, indemnify and hold the DISTRICT and its officials, officers, directors, employees, agents and volunteers free and harmless from any claims, liabilities, costs, penalties or interest arising out of the failure or alleged failure of CONSULTANT or its subcontractors to comply with Prevailing Wage Laws.

b) CONSULTANT and each of its subcontractors shall keep accurate payroll records showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per

diem wages paid to each journeyman, apprentice, worker or other employee employed by CONSULTANT or subcontractor in connection with the services performed pursuant to this Agreement. Each payroll shall be certified, available for inspection, and copies thereof furnished as prescribed in California Labor Code sections 1771.4(a)(3)(A) and 1776, including any required redactions. CONSULTANT shall keep the DISTRICT informed as to the location of the records and shall be responsible for the compliance with these requirements by all subcontractors. CONSULTANT shall inform the DISTRICT of the location of the payroll records, including the street address, city and county and shall, within five (5) working days, provide a notice of a change of location and address. Penalties for noncompliance include a forfeiture of One Hundred Dollars (\$100) per calendar day, or portion thereof, for each worker until strict compliance is effectuated, which may be deducted from any moneys due to CONSULTANT.

- c) Eight (8) hours of work shall constitute a legal day's work. CONSULTANT and any subcontractors shall forfeit, as a penalty to the DISTRICT, Twenty-Five Dollars (\$25) for each worker employed in the execution of services pursuant to this Agreement by CONSULTANT or any subcontractor under him for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any one (1) calendar day and forty (40) hours in any calendar week in violation of the provisions of the California Labor Code, in particular, sections 1810 to 1815, thereof, inclusive, except services performed by employees of CONSULTANT and its subcontractors in excess of eight (8) hours per day at not less than one and one-half (1 ½) times the basic rate of pay, as provided in California Labor Code section 1815.
- d) CONSULTANT'S attention is directed to the provisions of California Labor Code sections 1777.5, 1777.6 and 1777.7 concerning employment of apprentices by CONSULTANT or any of its subcontractors. If applicable to the services performed under the Agreement, CONSULTANT shall comply with such apprenticeship requirements and submit apprentice information to the DISTRICT. Information relative to apprenticeship standards, wage schedules and other requirements may be obtained from the DIR or the Division of Apprenticeship Standards. Knowing violations of section 1777.5 will result in forfeiture not to exceed One Hundred Dollars (\$100) or Three Hundred Dollars (\$300), depending on the circumstances, for each calendar day of non-compliance pursuant to section 1777.7.
- e) CONSULTANT shall require any subcontractors performing services described in this Section 7.2 of the Agreement to comply with all of the above.
- f) CONSULTANT must be, and must require all subcontractors performing services described in this Section 7.2 to be, registered with and have paid the annual fee to the DIR prior to execution of this Agreement pursuant to Labor Code Section 1725.5. No contractor or subcontractor may be listed on a bid proposal for a public works project, or perform services described in this Section 7.2, unless registered with the DIR pursuant to Labor Code Section 1725.5. No contractor or subcontractor may be awarded a contract for public work on a public works project, or perform services described in this Section 7.2, unless registered with the DIR pursuant to Labor Code Section 1725.5. The performance of services

described in this Section 7.2 is subject to compliance monitoring and enforcement by the DIR

8. SAFETY.

CONSULTANT shall execute and maintain CONSULTANT'S services so as to avoid injury or damage to any person or property. In carrying out CONSULTANT'S services, CONSULTANT shall at all times, exercise all necessary precautions for the safety of employees appropriate to the nature of the services and the conditions under which the services are to be performed, and be in compliance with all federal, state and local statutory and regulatory requirements including State of California, Division of Industrial Safety (Cal/OSHA) regulations, and the U.S. Department of Transportation Omnibus Transportation Employee Testing Act (as applicable). Safety precautions as applicable shall include instructions in accident prevention for all employees such as safe walkways, scaffolds, fall protection, ladders, bridges, gang planks, confined space procedures, trenching & shoring, equipment and wearing apparel as are necessary or lawfully required to prevent accidents or injuries.

9. INSURANCE.

9.1 INSURANCE COVERAGE AND LIMITS.

CONSULTANT shall provide and maintain at all times during the performance of this Agreement, insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the services hereunder by CONSULTANT, its agents, representatives, employees or subcontractors. Claims made policies shall not satisfy these insurance requirements unless CONSULTANT notifies DISTRICT and obtains DISTRICT'S prior written consent to the use of such claims made policies.

Coverage – CONSULTANT shall maintain coverage at least as broad as the following:

- a) Coverage for Professional Liability appropriate to CONSULTANT'S profession covering CONSULTANT'S wrongful acts, negligent actions, errors or omissions. The retroactive date (if any) is to be no later than the effective date of this Agreement.
- b) Insurance Services Office Commercial General Liability Coverage (Occurrence Form CG 0001).
- c) Insurance Services Office Automobile Liability Coverage (Form CA 0001), covering Symbol 1 (any auto).
- d) Workers' Compensation insurance as required by the State of California and Employers Liability insurance.

Limits - CONSULTANT shall maintain limits no less than the following:

- a) Professional Liability - One million dollars (\$1,000,000) per claim and two million dollars (\$2,000,000) annual aggregate.

- b) General Liability - Two million dollars (\$2,000,000) per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit or products-completed operations aggregate limit is used, either the general aggregate limit shall apply separately to the project/location (with the ISO CG 2503, or ISO CG 2504, or insurer's equivalent endorsement provided to DISTRICT) or the general aggregate limit and products-completed operations aggregate limit shall be twice the required occurrence limit.
- c) Automobile Liability - One million dollars (\$1,000,000) for bodily injury and property damage each accident limit.
- d) Workers' Compensation insurance with statutory limits as required by California law and Employer's Liability insurance with a limit of no less than One Million Dollars (\$1,000,000) per accident for bodily injury or disease.

9.2 REQUIRED PROVISIONS. The insurance policies are to contain, or be endorsed to contain the following provisions:

- a) DISTRICT, its directors, officers, employees, or authorized volunteers are to be covered as insureds on the CGL and auto policies with respect to liability arising out of automobiles owned, leased, hired, or borrowed by on or behalf of CONSULTANT; and with respect to liability arising out of services or operations performed by or on behalf of CONSULTANT including materials, parts, or equipment furnished in connection with such services or operations. General liability coverage can be provided in the form of an endorsement to CONSULTANT'S insurance (at least as broad as ISO Form CG 20 10, 11 85 or both CG 20 10 and CG 20 37 forms if later revisions used). The coverage shall contain no special limitations on the scope of protection afforded to DISTRICT, its directors, officers, employees, or authorized volunteers. The Project Name shall also be included.
- b) For any claims related to the services provided hereunder, CONSULTANT'S insurance shall be primary insurance as respects DISTRICT, its directors, officers, employees, and authorized volunteers. Any insurance, self-insurance, or other coverage maintained by DISTRICT, its directors, officers, employees, or authorized volunteers shall not contribute to it.
- c) Each insurance policy specified above are to state or be endorsed to state that coverage shall not be canceled except after thirty (30) days prior written notice (ten (10) days for non-payment of premium) by U.S. mail has been provided to DISTRICT.
- d) In the event any change is made in the insurance carrier, scope of coverage or retroactive date of professional liability coverage required under this Agreement (if applicable), CONSULTANT shall notify DISTRICT prior to any changes
- e) All of the insurance shall be provided on policy forms satisfactory to DISTRICT. All insurance correspondence, notations, certificates, or other documents from the insurance carrier or agent/broker shall each separately reference this Agreement.

- 9.3 WAIVER OF SUBROGATION.** CONSULTANT hereby agrees to waive rights of subrogation which any insurer of CONSULTANT may acquire from CONSULTANT by virtue of the payment of any loss. CONSULTANT agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation. The Workers' Compensation policy shall be endorsed with a waiver of subrogation in favor of DISTRICT for all services performed by CONSULTANT, its employees, agents and subcontractors.
- 9.4 DEDUCTIBLES AND SELF-INSURED RETENTIONS.** Any deductible or self-insured retention must be declared to and approved by DISTRICT. At the option of DISTRICT, the insurer shall either reduce or eliminate such deductibles or self-insured retention.
- 9.5 ACCEPTABILITY OF INSURERS.** Insurance is to be placed with insurers having a current A.M. Best rating of no less than A:VII or equivalent or as otherwise acceptable to DISTRICT.
- 9.6 EVIDENCES OF INSURANCE.** Prior to execution of this Agreement, CONSULTANT shall furnish DISTRICT with original certificates and amendatory endorsements, or copies of the applicable insurance language, effecting coverage required by this Agreement. All certificates and endorsements are to be received and approved by DISTRICT before services commence. However, failure to obtain the required documents prior the services beginning shall not waive CONSULTANT'S obligation to provide them.

CONSULTANT shall, upon demand of DISTRICT at any time, deliver to DISTRICT complete, certified copies or all required insurance policies, including endorsements, required by this Agreement.

- 9.7 SUBCONTRACTORS.** In the event that CONSULTANT employs subcontractors as part of the services covered by this Agreement, it shall be the CONSULTANT'S responsibility to require and verify that each subcontractor meets the minimum insurance requirements specified in this Agreement.

10. NO CONFLICT OF INTEREST.

If CONSULTANT is providing services related to a DISTRICT project, CONSULTANT shall not be financially interested in any other contract necessary for the undertaking of the project. For the limited purposes of interpreting this section, CONSULTANT shall be deemed a "district officer or employee", and this section shall be interpreted in accordance with California Government Code Section 1090. In the event that CONSULTANT becomes financially interested in any other contract necessary for the undertaking of the project, this Agreement shall be null and void and DISTRICT shall be relieved of any responsibility whatsoever to provide compensation under the terms and conditions of any such contract for those services performed by CONSULTANT.

11. OWNERSHIP OF DOCUMENTS.

All documents and specifications, including details, computations, and other documents, prepared or provided by CONSULTANT under this Agreement shall be the property of DISTRICT. DISTRICT agrees to hold CONSULTANT free and harmless from any claim arising from any use, other than the purpose intended, of the documents and all preliminary sketches, schematics, preliminary plans, architectural perspective renderings,

working drawings, including details, computations, and other documents, prepared or provided by CONSULTANT. CONSULTANT may retain a copy of all material produced under this Agreement for the purpose of documenting their participation in this Project.

12. CONFIDENTIAL INFORMATION.

Any written, printed, graphic, or electronically or magnetically recorded information furnished by DISTRICT for CONSULTANT'S use are the sole property of DISTRICT. CONSULTANT and its employee(s) shall keep this information in the strictest confidence, and will not disclose it by any means to any person except with DISTRICT'S prior written approval, and only to the extent necessary to perform the services under this Agreement. This prohibition also applies to CONSULTANT'S employees, agents and subcontractors. On termination or expiration of this Agreement, CONSULTANT shall promptly return any such confidential information in its possession to DISTRICT.

13. COMPENSATION.

13.1 For services performed by CONSULTANT in accordance with this Agreement, DISTRICT shall pay CONSULTANT in accordance with the schedule of billing rates set forth in Exhibit "A", attached hereto and incorporated herein by reference. No hourly rate changes shall be made during the term of this Agreement. **CONSULTANT'S compensation for all services performed in accordance with this Agreement shall not exceed the total contract price of \$572,903.** No services shall be performed by CONSULTANT in excess of the total contract price without prior written approval of the General Manager. CONSULTANT shall obtain approval from the General Manager prior to performing any services that result in incidental expenses to the DISTRICT.

13.2 CONSULTANT shall maintain accounting records including the following information:

- a) Names and titles of employees or agents, types of services performed, and times and dates of all services performed in connection with Agreement that is billed on an hourly basis.
- b) All incidental expenses including reproductions, computer printing, postage, mileage billed at current Internal Revenue Service ("IRS") Rate, and subsistence.

13.3 CONSULTANT'S accounting records shall be made available to DISTRICT Accounting Manager, for verification of billings, within a reasonable time of the Accounting Manager's request for inspection.

13.4 CONSULTANT shall submit monthly invoices to DISTRICT. DISTRICT shall make partial payments to CONSULTANT not to exceed the total contract price within thirty (30) days of receipt of invoice, subject to the approval of the General Manager. ***Each application for partial payment shall be accompanied with a Progress Report summarizing the status of the services performed.***

13.5 CONSULTANT shall ensure that any report generated under this Agreement shall comply with Government Code Section 7550.

14. TERMINATION OF AGREEMENT.

- 14.1** If DISTRICT ("demanding party") has a good faith belief that CONSULTANT is not complying with the terms of this Agreement, DISTRICT shall give written notice of the default (with reasonable specificity) to CONSULTANT and demand the default to be cured within ten (10) calendar days of the notice.
- 14.2** If CONSULTANT fails to cure the default within ten (10) calendar days of the notice, or if more than ten (10) calendar days are reasonably required to cure the default, and CONSULTANT fails to give adequate assurance and due performance within ten (10) calendar days of the notice, DISTRICT may terminate this Agreement upon written notice to CONSULTANT.
- 14.3** In the event of a material breach of any representation or term of this Agreement by CONSULTANT that is not curable or results in a threat to health or safety, DISTRICT may immediately terminate this Agreement by providing written notice and without a cure period.
- 14.4** Upon termination, DISTRICT shall pay CONSULTANT for any services completed up to and including the date of termination of this Agreement, in accordance with the compensation Section 13. DISTRICT shall be required to compensate CONSULTANT only for services performed in accordance with the Agreement up to and including the date of termination.

15. ASSIGNMENT AND DELEGATION.

- 15.1** This Agreement and any portion thereof shall not be assigned or transferred, nor shall any of CONSULTANT'S duties be delegated or subcontracted, without the express written consent of DISTRICT. Any attempt to assign or delegate this Agreement without the express written consent of DISTRICT shall be void and of no force or effect. Consent by DISTRICT to one assignment shall not be deemed to be consent to any subsequent assignment.
- 15.2** This Agreement shall inure to the benefit of and be binding upon the parties hereto and their respective successors and assigns.

16. AUDIT DISCLOSURE.

Pursuant to Government Code section 8546.7, if the Agreement is over ten thousand dollars (\$10,000), it is subject to examination and audit of the State Auditor, at the request of DISTRICT or as part of any audit of DISTRICT, for a period of three (3) years after final payment under the Agreement. CONSULTANT shall cooperate with any such examination or audit at no cost to DISTRICT.

17. ENTIRE AGREEMENT.

This Agreement, and the attached Exhibit "A", comprise the entire integrated understanding between DISTRICT and CONSULTANT concerning the services to be performed pursuant to this Agreement and supersedes all prior negotiations, representations, or agreements whether express or implied, oral or written. The express terms hereof control and supersede any course of performance and/or usage of the trade

inconsistent with any of the terms herein. In the event of any conflict between the provisions of the Agreement and the Exhibit(s), the terms of the Agreement shall prevail.

18. INTERPRETATION OF THE AGREEMENT.

18.1 The interpretation, validity, and enforcement (including, without limitation, provisions concerning limitations of actions) of the Agreement shall be governed by and construed under the laws of the State of California, notwithstanding any conflict-of-laws doctrines of such state or other jurisdiction to the contrary and without the aid of any canon, custom or rule requiring construction against the draftsman. The Agreement does not limit any other rights or remedies available to DISTRICT.

18.2 CONSULTANT shall be responsible for complying with all applicable local, state, and federal laws whether or not said laws are expressly stated or referred to herein.

18.3 Should any provision herein be found or deemed to be invalid, the Agreement shall be construed as not containing such provision, and all other provisions which are otherwise lawful shall remain in full force and effect, and to this end the provisions of this Agreement are severable.

18.4 Each and every provision of law and clause required by law to be inserted in this Agreement shall be deemed to be inserted herein, and the Agreement shall be read and enforced as though they were included herein. If through mistake of otherwise any such provision is not inserted, or is not correctly inserted, then upon application of either party, the Agreement shall forthwith be physically amended to make such insertion.

19. AGREEMENT MODIFICATION.

This Agreement may not be modified orally or in any manner other than by an agreement in writing signed by the parties hereto.

20. DISPUTE RESOLUTION.

Upon the written demand of either party, any dispute, claim or controversy arising out of or relating to this Agreement or the breach, termination, enforcement, interpretation or validity thereof, shall be first submitted to mediation the cost of which shall be borne equally by the parties, if not resolved pursuant to the Government Claims Act, Government Code section 900 *et seq.* if applicable, and prior the commencement of any legal action or other proceeding. Any mediation shall take place in the State of California, County of San Diego, and shall be concluded within sixty (60) days of the written demand, unless such time is extended by mutual written consent of the parties. Nothing herein waives or excuses compliance with the California Government Claims Act.

In the event that mediation has not been successfully concluded within the time allowed, any dispute, claim or controversy arising out of or relating to this Agreement or the breach, termination, enforcement, interpretation or validity thereof, including the determination of the scope or applicability of this agreement to arbitrate, shall be determined by arbitration in the State of California, County of San Diego, before one arbitrator. The arbitration shall be administered by JAMS pursuant to its Comprehensive Arbitration Rules and Procedures if the amount in controversy is equal or greater than Two Hundred Fifty Thousand Dollars (\$250,000), or pursuant to its Streamlined Arbitration Rules and

Procedures if the amount in controversy is less than Two Hundred Fifty Thousand Dollars (\$250,000). The use of arbitration shall allow full discovery by all parties associated with the dispute or claim. Judgment on the award may be entered in any court having jurisdiction. This clause shall not preclude the parties from seeking provisional remedies in aid of arbitration from a court of competent jurisdiction. The arbitrator may, in the award, allocate all or a part of the costs of the arbitration, including the fees of the arbitrator and the reasonable attorneys' fees of the prevailing party. If either party petitions to confirm, correct or vacate the award as provided by Chapter 4, of Title 9 of the California Code of Civil Procedure (commencing with Section 1285), the prevailing party shall be entitled as part of his or its costs to reasonable attorneys' fees to be fixed by the Court.

21. JURISDICTION, FORUM AND VENUE.

Except as otherwise required by Section 20 of this Agreement concerning dispute resolution, the proper jurisdiction, forum and venue for any claims, causes of action or other proceedings concerning this Agreement shall be in the state and federal courts located in the State of California, County of San Diego. DISTRICT and CONSULTANT agree not to bring any action or proceeding arising out of or relating to this Agreement in any other jurisdiction, forum or venue. DISTRICT and CONSULTANT hereby submit to personal jurisdiction in the State of California for the enforcement of this Agreement and hereby waive any and all personal rights under the law of any state to object to jurisdiction within the State of California for the purposes of any legal action or proceeding to enforce this Agreement whether on grounds of inconvenient forum or otherwise.

22. MAILING ADDRESSES.

Notices given pursuant to this Agreement shall be deemed communicated as of the earlier of the day of receipt or the fifth (5th) calendar day after deposit in the United States mail, postage prepaid, and addressed to the following:

**DISTRICT: Rainbow Municipal Water District
3707 Old Hwy 395
Fallbrook, CA 92028
Phone: (760) 728-1178**

**CONSULTANT: Dudek
605 Third Street
Encinitas, CA 92024
Phone: (760)942-5147**

Notices delivered personally will be deemed communicated as of actual receipt.

23. SIGNATURES.

Each party represents that the individual executing this Agreement on its behalf has the right, power, legal capacity and authority to enter into and to execute this Agreement on behalf of such party.

24. COUNTERPARTS.

This Agreement may be executed in counterparts, each of which shall constitute an original, but all of which together shall constitute one and the same agreement, and the signature of any party to any counterpart shall be deemed to be a signature to, and may be appended to, any other counterpart.

25. ATTORNEY'S FEES.

In the event of a dispute arising under terms of this Agreement, it is agreed that the prevailing party may be awarded reasonable attorneys' fees and actual costs.

IN WITNESS WHEREOF the parties hereto for themselves, their heirs, executors, administrators, successors, and assigns do hereby agree to the full performance of the covenants herein contained and have caused this Agreement to be executed.

DUDEK _____

RAINBOW MUNICIPAL WATER DISTRICT _____

By _____
CONSULTANT

By _____
GENERAL MANAGER

PRINT NAME

Date: _____

Date: _____

Attest: Executive Secretary

Federal Employee ID #

**Approved as to Form:
General Counsel**

NOTARY ACKNOWLEDGEMENT OF CONSULTANT MUST ACCOMPANY THIS DOCUMENT

Exhibit A: Scope of Work

Task 100 Project Management

The project manager and primary point of contact, Steven Stuart, will provide oversight, technical input, and coordinate refinement and implementation of the statement of work. Mr. Stuart will carefully manage the project team to effectively implement a comprehensive scope of work, track concurrent tasks, meet schedules and budgets, efficiently address unanticipated project changes, and deliver quality products to the District.

Organization. Mr. Stuart will manage the day-to-day activities for this program. He will use a work plan that clearly identifies and schedules milestones, designates staff responsibilities, and aligns with the components identified in the Request for Proposal (RFP).

Communication. Mr. Stuart will develop a clear management framework that defines lines of communication among team members and District staff. He will attend meetings and maintain close contact with the District's project manager to verify internal discussions and decisions by:

- Serving as the single point of contact
- Regularly calling/emailing the District's key contact to discuss project milestones, activities, and issues
- Holding regular project management meetings with key staff (including other consultants, as applicable) to coordinate work efforts, monitor task completion, and review budget conformance
- Updating, as necessary, the project description, schedule, work progress reports, and data inventories

Applied Knowledge. The proposed management team has long-term experience with and technical knowledge of the issues associated with your needs, including concerns over communication among parties, scope clarity, and provision of the best value to meet project requirements. Our management team has experience presenting the public with clear information regarding projects and the environmental process.

Availability. Our entire team is committed to the services required and the project timeline in support of this important project. Mr. Stuart is available to manage, and will be fully engaged in this project.

Task 200 Data Collection

Dudek will compile all data needed for surface water, groundwater, engineering, and environmental analysis in digital formats that are easy for the District and consultants to use. Many of these data sources are listed in the reports included with the RFP, although some sources are out of date or are not the best available data for the study area. All have a spatial distribution that will be represented using GIS layers. Some consist of time series data from monitoring programs; those will be compiled into Excel data files.

We have confirmed that one or more sources of data are available for key data items. For data items specific to the Basin and derived from the District or other local entities, we will create new digital files that

can easily be updated. Most data will be obtained from previous studies. Additional data may be obtained from County, state, or federal agency online databases. We will obtain current downloads and prepare metadata with links to obtain updates in the future. Where multiple sources are available, we will combine them if they do not overlap or select the source of the highest quality or suitability for groundwater studies.

While reviewing the available data and previous reports, Dudek noticed that the recently proposed Basin boundary modification request does not accurately reflect the contact of unconsolidated and consolidated sediments (i.e., alluvial/bedrock contact). This is likely due to use of older published geologic maps, the scale at which Bulletin 118 basins have been historically delineated, and potentially a georeference issue. The proposal cover graphic displays the mapped alluvium (Kennedy et al. 2014) compared with the current Bulletin 118 Basin boundary.

Task 300 Update and Validate Groundwater Model and Verify Production Well Yields

A well-calibrated, validated groundwater numerical model is an effective tool to help manage water resources. Such a model may be used to efficiently manage the operation of the proposed well field for the groundwater desalination project in the Bonsall groundwater basin so that there are no significant impacts to other well users in the Basin or to overlying, groundwater-dependent habitat along the San Luis Rey River. The finite-element numerical model created by West Yost Associates (2016) represented the minor watershed of the San Luis Rey River that included all of the District's service area and estimated imported water return flows. The West Yost model was calibrated to average annual stream flow measured at a USGS gaging station (#11041000 San Luis Rey near Bonsall) from 1947 to 1977.

The model was calibrated by adjusting scaling factors for inflows by the San Luis Rey River and its tributaries, and by adjusting the areal recharge of infiltrating rainfall. Calibration did not include adjusting and evaluating parameters defining aquifer characteristics such as hydraulic conductivity and specific yield, nor did it calibrate parameters defining the channel characteristics of the San Luis Rey River and its tributaries. The model calibration was evaluated by comparing "measured groundwater levels" to the simulated change in storage. West Yost characterized the model as being "suitably calibrated and appropriately represents the San Luis Rey Valley stream-aquifer system in the study area." However, no error was quantified between observed and simulated results, so there is no measure of how accurate the model is in simulating groundwater levels in the Basin. Consequently, it is uncertain how accurate the model will be in evaluating the change in Basin storage and potential impacts to groundwater-dependent habitat when simulating pumping of the proposed groundwater desalination project wells.

Dudek has decades of experience designing and creating numerical groundwater flow models at vastly different scales using the finite-difference USGS MODFLOW code and the pre- and post-processor Groundwater Vistas. As per the District's RFP, the finite-element model was recently transferred to the USGS finite-difference MODFLOW- 2005 code using Groundwater Vistas. Dudek reviewed the finite-difference model and observed the following:

- The numerical model is 2-dimensional, meaning the Basin is simulated as a homogeneous aquifer with no vertical discretization between the San Luis Rey River and underlying bedrock.

- Stress periods range from 365 days to 2,920 days (8 years), meaning stream flow and pumping are constant for the lengths (1 year to 8 years) of the stress period. No seasonal variation is simulated, which may affect how the model accurately simulates conditions during wet and dry seasons.
- The San Luis Rey River is simulated with constant stream flow and, potentially, seepage from the river for each stress period. No seasonal variation in stream flow and seepage to groundwater or vice versa (i.e., losing stream vs. gaining stream) is simulated.

Dudek proposes the following steps to further calibrate, validate, and enhance the accuracy of the model to simulate the potential impacts of operating the groundwater desalination project:

- Discretize the model into monthly stress periods to simulate seasonal fluctuations in rainfall, stream flow, imported water return flows, evapotranspiration, and pumping.
- Review lithologic logs of borings drilled in the Basin to identify distinct aquifer units. Distinct aquifer units will be simulated by adding layers to the model.
- Calibrate the finite-difference model and quantify the error using measured groundwater levels in the alluvial basin. Model calibration will be quantified following the ASTM guideline for comparing groundwater flow model simulations to site-specific information (ASTM D5490).
- The model will be updated and calibrated/validated with estimates of hydraulic conductivity and specific yield derived from aquifer tests conducted at existing wells and test wells drilled under Task 700.
- The model will be validated to stream flow data recorded up to 1985 and to groundwater levels recorded up to 2013. In 2006, Dudek installed shallow groundwater monitoring wells at a site adjacent to the San Luis Rey River at approximately 6,000 feet west of the intersection of Interstate 15 and State Route 76.

Task 400 Water Rights Opinion and Confirmation

Rick McNeil, Esq., and Karlene Martorana, Esq., of Wilmer and Snell will serve as counsel to Rainbow Municipal Water District in this matter out of our Orange County office. Rick has over 30 years of experience in all aspects of environmental and land use law, including water rights and water supply, and Karlene's practice is exclusively dedicated to water law. The scope of their representation would be anticipated to include an assessment of existing water rights (riparian, appropriative, pre-1914, etc.), assignment of existing rights to co-parties, review and analysis of existing legal documents, consent decrees, adjudications, relevant case law, especially insofar as they may pertain to importer return flow water rights, and analysis of options to perfect water rights.

Task 500 Collect and Summarize Groundwater Quality Data

Dudek will review historical reports and studies, such as Maps of the Bonsall Area of the San Luis Rey River Valley Showing Geology, Hydrology, and Groundwater Quality (Izbicki 1985); Demineralization of Groundwater within the RMWD (Camp Dresser and McKee 1996); Water Quality and Treatment Technology Assessment for RMWD San Luis Rey Groundwater Supply (Trussell Technologies 2015); and other identified pertinent documents to compile available historical water quality data. Dudek will also review County files to determine if additional water quality data exists for the Basin. All data will be compiled into an Excel file. Primary constituents of concern include total dissolve solids (TDS), iron,

manganese, chloride, and sulfate. Additional general minerals and water quality constituents will be evaluated depending on availability of data.

Task 600 Develop Draft Brine Disposal Agreement with Oceanside

Groundwater desalination using reverse osmosis can be a daunting process to fully understand. Groundwater quality, reverse osmosis membrane selection, system design, and changes in operations are just a few of the parameters that effect brine quantity and quality. Incorporating a new, as-yet undefined brine source into another agency's existing ocean outfall operations adds further complexity to a desalination project. Dudek's combined understanding of groundwater resources and reverse osmosis processes will provide the District with a strong partner in development of a brine disposal agreement with the City of Oceanside.

Dudek is well-equipped to be the District's technical advisor in the pursuit of a brine disposal agreement. Dudek will work closely with the District and the City of Oceanside to understand the requirements for a brine disposal agreement. Current agreements between the City of Oceanside and the Fallbrook Public Utilities District, U.S. Marine Corps Base Camp Pendleton, and Genentech will be obtained and reviewed to determine the structure of City of Oceanside outfall user agreements. Dudek will also look at other, non-Oceanside ocean outfall user agreements, including the agreement between San Elijo Joint Powers Authority and the City of Escondido. These agreements will be provided to the District for comparison to the City of Oceanside's agreements. Oceanside's current ocean outfall operation permit will be reviewed to determine potential impacts of the added District brine. Outfall total capacity, the percentage of that total capacity required by a District desalination project, and the sharing of capacity-based costs will be evaluated as part of this task.

Task 700 Evaluate Production Well Sites, Geology, and Production

Based on the results of data collection (Task 200), the initial part of the groundwater model update (Task 300), and the review and inspection of existing wells discussed in Task 500, Dudek will identify and recommend a program to further characterize and enhance our understanding of hydraulic conductivity, transmissivity, and specific yield in the Bonsall Basin. Characterization of these aquifer properties is essential to accurately simulate groundwater level responses in the Basin resulting from the proposed pumping. In addition to existing or new production wells, it will be important to identify observation wells to monitor groundwater level response to well pumping. Data from observation wells is necessary to calculate the specific yield of the Basin. Observation wells may include existing wells or new small-diameter or larger-diameter production wells that would be equipped with pressure transducers to continuously monitor groundwater levels.

Dudek will work with the District in drafting a letter agreement with well owners and/or property owners to access their sites for this study. Access may be requested to monitor water levels and collect water quality samples during aquifer test, or to drill exploratory borings and construct wells for monitoring and/or production purposes. For sites identified and that have permission granted to construct new wells, Dudek will draft a bid package to solicit competitive bids from drilling contractors to drill, construct, develop, and test new wells. Dudek will oversee all phases of well construction and testing, and obtain the required permits from the County, environmental agencies, and RWQCB.

Task 800 Property Acquisition and Costs

Property acquisition, whether through fee or easement, will represent a considerable cost to the District to implement the project due to the anticipated size of the wellfield. The current land ownership in the Bonsall Basin consists of private and public ownership. In particular, the County of San Diego, State of California, and County Water Authority comprise public ownership of a large percentage of the parcels overlying the Bonsall Basin. Each of the public entities and private owners will likely have specific considerations to address as part of the property acquisition analysis. In addition to the hydrogeologic considerations of planning a wellfield, the District needs to evaluate the likelihood of acquiring specific parcels to drill wells and install pipelines.

Based on hydrogeologic, floodplain, ecosystem, and other environmental considerations, Dudek will develop preferred and alternative wellfield capture sites for District review and comment. Based on the preferred alternatives selected for more detailed evaluation, Dudek will prepare plan view drawings of wells, pumphouses, pipelines, and electrical supply. Based on the preferred alternatives, Dudek will determine parcels and rights-of-way required to implement the project. Based on preliminary evaluation, the Bonsall Basin includes 1,521 parcels, of which 40 parcels of more than 1,700 acres are potentially affected by the conceptual wellfield layout. As part of the 40 affected parcels, we identified 14 unique owners.

This scope and fee were developed based on the assumption that 40 parcels with 14 unique owners would require evaluation. Dudek will develop exhibits for review and discussion among the project stakeholders. To complete the exhibits, Dudek has requested the services of San Dieguito Engineering (SDE) to establish geodetic control, right-of-way surveying, and specific parcel title searches. Dudek's subconsultant, Jones, Roach & Caringella, will perform the appraisals based on the title information and acquisition plats developed for the preferred project alternative.

Task 900 Desalter Project Alternatives and Costs

Dudek will review the District's 2017 Technical Memorandum that includes the preliminary evaluation of a groundwater desalter project in the vicinity of the former San Luis Rey Downs Golf Course. Several of the Technical Memorandum's supporting documents will also be reviewed to gain a better understanding of the as-defined desalter project components.

The assumptions made in the 2017 Technical Memorandum will be either confirmed or refined based on the findings of this project. Well yields and groundwater quality estimates will be used to develop an updated groundwater desalter treatment system. The findings of the groundwater quality research (Task 500) may warrant additional pretreatment ahead of the reverse osmosis system. Brine production may change significantly based on the updated desalter project, and will be reflected in the development of a brine disposal agreement with the City of Oceanside (Task 600). Unit costs listed in the 2017 Technical Memorandum will be evaluated and revised as necessary. Updated treatment system capital and operation and maintenance costs will be developed based on new design criteria and treatment equipment manufacturer budgetary quotes. The updated desalter project costs will be itemized and ultimately expressed as a total cost per acre-foot of water produced.

Task 1000 Evaluation of Environmental Issues

Groundwater Resources Constraints Analysis: Potential environmental issues specific to evaluating groundwater resources include impacts to groundwater-dependent ecosystems, groundwater in storage, and well interference with existing users. Additionally, environmental analysis of surface water–groundwater interaction is paramount to designing and constructing a successful project. A water right permit application needs to be filed and approved for extracting groundwater from the Bonsall Basin. It will be necessary to provide a defensible analysis that stream flow is preserved to the benefit of existing beneficial uses as listed in the Basin Plan for the San Diego Region. A water right permit application with the State Water Resources Control Board (SWRCB) requires consideration of environmental impacts per the California Environmental Quality Act (CEQA) before a permit can be issued. Large projects such as the proposed project that could affect natural habitat or water quality usually require preparation of an Environmental Impact Report (EIR). Additionally, the SWRCB examines the proposed project’s potential environmental impacts and determines whether mitigation measures will be required.

The recently prepared groundwater model (West Yost 2016) indicated “that median annual pumping rates up to 5,700 afy, or 460 acre-feet per month (afm), could be supported without significant impacts to hydrologic conditions that would exist in the absence of imported water.” However, this does not represent the current baseline condition in the Basin. CEQA requires that a project be evaluated to ensure that it does not substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or lowering of the local groundwater table level.

In addition, impacts to groundwater-dependent ecosystems require evaluation. In particular, pumping impacts to groundwater levels and storage during drought periods requires detailed evaluation, since lowering groundwater levels below the rooting depth of phreatophytes will cause plant stress and potentially mortality. For instance, the County of San Diego’s CEQA threshold of significance is when a project would draw down the groundwater table to the detriment of groundwater-dependent habitat, typically a drop of 3 feet or more from historical low groundwater levels (County of San Diego 2010). As the County of San Diego is a stakeholder in the project area, including ownership of 340 acres in the area, it will be critical to evaluate historical groundwater table elevations in the Basin and the response of groundwater levels due to project pumping.

Dudek will conduct a conceptual environmental groundwater resources constraints study that will be based on the information gathered from previous tasks and additional environmental/regulatory setting information gathered as necessary. It is assumed that the constraints study will not require additional field work or in-depth modeling (although some quick “back of the envelope” calculations may be run to inform potential constraints of the various alternatives/scenarios). The purpose of the groundwater constraints study will be to help the District understand the benefits/drawbacks of various project options.

Siting Facility Studies: To further guide design decisions, it will be necessary to conduct a desktop review of potential facility site options for biological, cultural/historic, and hazardous constraints. This analysis will allow wells and other facilities to be strategically located to avoid and minimize environmental impacts while optimizing placement and meeting the needs of the project. Dudek proposes the preparation of the following analyses for potential site locations:

- Biological Constraints Analysis

- Preliminary Cultural and Historic Resources Records Search and Technical Memo
- Hazardous Materials/Wastes Constraints Analysis

The suggested preliminary site facility studies identified in this proposal will aid in making optimal project decisions and will assist in preparation of an EIR under CEQA.

This proposal assumes that funding from federal agencies is not being sought for this project; therefore, the project would not be subject to federal environmental regulations, including the National Environmental Policy Act (NEPA). Should federal funding be required that is subject to federal regulation, additional environmental analysis (i.e., CEQA-plus evaluations) may be needed to comply with federal environmental regulations.

Task 1100 Draft and Final Summary Reports

Dudek will prepare a draft summary report of the above tasks and present findings to District staff at a meeting to be held at the District office. Two additional meetings will be required to present the findings to the Engineering Committee and at a Board meeting. Based on the comments received from District staff and the Engineering Committee, Dudek will make revisions to the report.

STUDIES TO ADVANCE BONSALL BASIN DESALTER IMPLEMENTATION

PROPOSAL

PREPARED FOR
Rainbow Municipal Water District



PREPARED BY

Dudek

605 Third Street

Encinitas, California 92024

760.942.5147

www.dudek.com

August 30, 2017

August 30, 2017

Delia Rebio
Rainbow Municipal Water District
Engineering Department
3707 Old Highway 395
Fallbrook, CA 92028
Attn: RMWD Engineering Department (D. Rubio)

Subject: Studies to Advance Bonsall Basin Desalter Implementation

Dear Ms. Rubio:

The Rainbow Municipal Water District (District) is taking proactive steps to secure a reliable local water supply to supplement the District's current reliance on obtaining all of its water from the San Diego County Water Authority and Metropolitan Water District of Southern California. To achieve this goal, the District requires technical expertise to prove-out the availability of a local groundwater supply, assess water rights, collect baseline groundwater quality data, drill exploratory borings for production well sites and conduct aquifer testing, assess property acquisition, and refine desalination plant project alternatives and costs.

To achieve this goal, the Dudek team offers a multi-disciplined team that is keenly aware of and experienced in overcoming the technical, regulatory, legal, political, and environmental challenges anticipated in moving forward with the groundwater desalter program in the Bonsall Groundwater Basin. Our team of water resource planning and management experts will bring extensive local experience with groundwater, engineering, and environmental projects to the project.

Water Resource Planning and Analysis Expertise

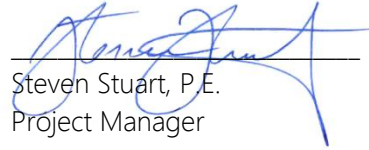
Our team's experts specialize in completing thorough investigations and reports for water resource projects. We have worked on Water Availability Reports in support of water rights permit applications, including preparing the technical analyses requested in this Request for Proposal. Dudek has successfully completed planning and analysis for similarly challenging projects for several coastal desalination facilities and recycled water projects.

Local Groundwater, Engineering, and Environmental Expertise with Strong Agency Relationships


Our engineers, hydrogeologists, and environmental planners have work experience and knowledge of the groundwater basins and resources throughout San Diego County (County), including ongoing consultation to the Borrego Valley Groundwater Sustainability Agency for the critically overdrafted Borrego Springs Subbasin. The Dudek team has prepared groundwater resource investigation reports under the oversight of the County. Our familiarity with the County's approach to managing groundwater resources and our relationships with County and state staff will help us hit the ground running to prepare the requested groundwater studies.

The Dudek team is committed to providing the most efficient and scientifically accurate studies to implement the Bonsall Basin desalter project for the District. Steven Stuart, our proposed project manager, will serve as your single point of contact for all communication. Mr. Stuart can be reached at 760.479.4128 or sstuart@dudek.com.

Sincerely,



Steven Stuart, P.E.
Project Manager



Frank Dudek, P.E.
President

Frank Dudek is authorized to execute legal documents on behalf of the firm.

Table of Contents

SECTIONS

1	Executive Summary.....	1
2	Prime Consultant and Subconsultant.....	2
3	Approach and Scope.....	3
4	Project Manager and Team Qualifications.....	10
5	Experience and Past Performance.....	15
6	Fee and Fee Schedule.....	18
7	Exceptions to RFP.....	18

TABLES

1	Identification of Prime Responder.....	2
2	Identification of Subconsultants.....	2

FIGURES

1	Project Schedule.....	9
2	Organizational Chart.....	10

APPENDIX

A	Key Personnel Resumes	
---	-----------------------	--

INTENTIONALLY LEFT BLANK

1 Executive Summary

The Bonsall Basin has been underutilized as a local water asset due to historical impairment of groundwater quality. Elevated total dissolved solids and chloride have limited municipal use for decades. Reverse osmosis treatment technology and costs have advanced to the point that it is becoming competitive with imported water sources, especially when local water availability and security are taken into account.

Securing this valuable water source requires a systematic approach to prove out water availability of underflow within the Bonsall portion of the San Luis Rey River. This includes assessing water rights, collecting baseline groundwater quality data, drilling exploratory borings for production well sites and conducting aquifer testing, assessing property acquisition, and determining desalination plant project alternatives and costs.

Developing Defensible Water Availability

Dudek's overall approach is to develop a defensible water availability assessment of the Bonsall Basin, taking into account Rainbow Municipal Water District's (District) stated goal of capturing imported water that recharges the groundwater system. This involves updating and validating the groundwater model to better simulate and evaluate proposed project alternatives. In particular, water availability during wet, normal, and dry conditions is critical to understanding well-field production and the financial viability of constructing a desalter.

Engaging Stakeholders

Politically, engaging stakeholders and addressing potential project impacts upfront is critical to planning and designing a successful project. Dudek has successfully obtained Major Use Permits for other groundwater extraction projects in San Diego County (County), and has navigated local project obstacles such as water rights, well interference, overdraft, groundwater dependent ecosystems, and brine line disposal. By addressing these issues early in the process, consensus can be built and project buy-in can be obtained from the stakeholders.

Model Development

Key to successful model development is a good understanding of Basin geometry and aquifer characteristics. The available data reviewed by Dudek indicated that hydraulic conductivity and specific yield were not evaluated or adjusted in the model, and that limited site-specific data for these parameters are available for the Basin. Thus, it is critical to obtain aquifer test data to better define actual Basin conditions.

Clear, Consistent Communication with the District

Dudek understands the importance of a well-managed project team to effectively implement a comprehensive scope of work, meet schedules and budgets, efficiently address unanticipated project changes, provide a quality product from a multidisciplinary team, and track concurrent tasks. Dudek's project manager will be a single point of contact for the District, and will develop a clear management framework that defines lines of communication among team members and District staff. He will attend meetings and maintain close contact with the District's project manager to verify internal discussions and decisions.

Qualified Team with In-Depth Local Experience

The Dudek team has long-term experience with and technical knowledge of the issues associated with your needs, including concerns over communication among all parties, scope clarity, and provision of the best value to meet project requirements. Our management team has experience presenting the public with clear information regarding projects and the environmental process. In addition, our team is adept at properly interpreting public and agency comments; developing effective analysis; and providing well-written, user-friendly documents that clearly communicate consequences, solutions, and findings.

2 Prime Consultant and Subconsultant

Dudek is a multi-discipline professional services firm with 400 environmental planners, scientists, engineers, and technical staff. See **Tables 1 and 2** for information on Dudek and our proposed subconsultants.

TABLE 1. IDENTIFICATION OF PRIME RESPONDER

Legal Name and Address of Company	Dudek, 605 Third Street, Encinitas, CA 92024
Legal Form of Company	California Corporation
Identify Parent Companies	N/A
Contact	Steven Stuart, Project Manager 605 Third Street, Encinitas, CA 92024, 760.479.4128, sstuart@dudek.com
Staff and Discipline	Dudek has approximately 400 employees in the following practices <ul style="list-style-type: none"> • Environmental Planning & Sciences 245 • Engineering 55 • Hydrogeology 29 • Native Habitat Design & Construction 25 • Construction Management 19 • Corporate Administration 25

TABLE 2. IDENTIFICATION OF SUBCONSULTANTS

Water Rights Attorney	
Legal Name and Address	Snell & Wilmer, 600 Anton Boulevard, Suite 1400, Costa Mesa, California
Legal Form of Company	LLP
Team Member	Richard J. McNeil
Number of Staff	Approximately 400 attorneys
Property Appraiser	
Legal Name and Address	Jones, Roach & Caringella Inc., 2221 Camino del Rio South, San Diego, California
Legal Form of Company	Corporation
Team Member	Robert Caringella, MAI
Number of Staff	7 appraisers and 1 researcher
Surveyor and Right-of-Way Services	
Legal Name and Address	San Dieguito Engineering Inc., 462 Stevens Avenue, Solana Beach, California
Legal Form of Company	Corporation
Team Member	Andy Karydes, PLS
Number of Staff	4 Professional Engineers, 1 Professional Land Surveyor, and 17 support staff
Water Quality Laboratory	
Legal Name and Address	Babcock Laboratories Inc., 6100 Quail Valley Court Riverside, California
Legal Form of Company	Corporation
Team Member	Allison Mackenzie, CEO
Number of Staff	50

3 Approach and Scope

Approach

Dudek envisions a collaborative approach with the Bonsall Basin stakeholders and the District to produce a defensible and reliable groundwater assessment for planning and managing the Basin. If there is a difference in professional opinion or approach to evaluation of the Basin, it will be clearly stated, and a plan to resolve conflicts will be developed. Additional strategies to maximize conjunctive use and water production efficiency of the Basin's water supplies will be considered during the evaluation process if opportunities are uncovered.

Scope of Work

Task 100 Project Management

The project manager and primary point of contact, Steven Stuart, will provide oversight, technical input, and coordinate refinement and implementation of the statement of work. Mr. Stuart will carefully manage the project team to effectively implement a comprehensive scope of work, track concurrent tasks, meet schedules and budgets, efficiently address unanticipated project changes, and deliver quality products to the District.

Organization. Mr. Stuart will manage the day-to-day activities for this program. He will use a work plan that clearly identifies and schedules milestones, designates staff responsibilities, and aligns with the components identified in the Request for Proposal (RFP).

Communication. Mr. Stuart will develop a clear management framework that defines lines of communication among team members and District staff. He will attend meetings and maintain close contact with the District's project manager to verify internal discussions and decisions by:

- Serving as the single point of contact
- Regularly calling/emailing the District's key contact to discuss project milestones, activities, and issues
- Holding regular project management meetings with key staff (including other consultants, as applicable) to coordinate work efforts, monitor task completion, and review budget conformance
- Updating, as necessary, the project description, schedule, work progress reports, and data inventories

Applied Knowledge. The proposed management team has long-term experience with and technical knowledge of the issues associated with your needs, including concerns over communication among parties, scope clarity, and provision of the best value to meet project requirements. Our management team has experience presenting the public with clear information regarding projects and the environmental process.

Availability. Our entire team is committed to the services required and the project timeline in support of this important project. Mr. Stuart is available to manage, and will be fully engaged in this project.

Task 200 Data Collection

Dudek will compile all data needed for surface water, groundwater, engineering, and environmental analysis in digital formats that are easy for the District and consultants to use. Many of these data sources are listed in the reports included with the RFP, although some sources are out of date or are not the best available data for the study area. All have a spatial distribution that will be represented using GIS layers. Some consist of time series data from monitoring programs; those will be compiled into Excel data files.

We have confirmed that one or more sources of data are available for key data items. For data items specific to the Basin and derived from the District or other local entities, we will create new digital files that can easily be updated. Most data will be obtained from previous studies. Additional data may be obtained from County, state, or federal agency online databases. We will obtain current downloads and prepare metadata with links to obtain updates in the future. Where multiple sources are available, we will combine them if they do not overlap or select the source of the highest quality or suitability for groundwater studies.

While reviewing the available data and previous reports, Dudek noticed that the recently proposed Basin boundary modification request does not accurately reflect the contact of unconsolidated and consolidated sediments (i.e., alluvial/bedrock contact). This is likely due to use of older published geologic maps, the scale at which Bulletin 118 basins have been historically delineated, and potentially a georeference issue. The proposal cover graphic displays the mapped alluvium (Kennedy et al. 2014) compared with the current Bulletin 118 Basin boundary.

Task 300 Update and Validate Groundwater Model and Verify Production Well Yields

A well-calibrated, validated groundwater numerical model is an effective tool to help manage water resources. Such a model may be used to efficiently manage the operation of the proposed well field for the groundwater desalination project in the Bonsall groundwater basin so that there are no significant impacts to other well users in the Basin or to overlying, groundwater-dependent habitat along the San Luis Rey River. The finite-element numerical model created by West Yost Associates (2016) represented the minor watershed of the San Luis Rey River that included all of the District's service area and estimated imported water return flows. The West Yost model was calibrated to average annual stream flow measured at a USGS gaging station (#11041000 San Luis Rey near Bonsall) from 1947 to 1977.

The model was calibrated by adjusting scaling factors for inflows by the San Luis Rey River and its tributaries, and by adjusting the areal recharge of infiltrating rainfall. Calibration did not include adjusting and evaluating parameters defining aquifer characteristics such as hydraulic conductivity and specific yield, nor did it calibrate parameters defining the channel characteristics of the San Luis Rey River and its tributaries. The model calibration was evaluated by comparing "measured groundwater levels" to the simulated change in storage. West Yost characterized the model as being "suitably calibrated and appropriately represents the San Luis Rey Valley stream-aquifer system in the study area." However, no error was quantified between observed and simulated results, so there is no measure of how accurate the model is in simulating groundwater levels in the Basin. Consequently, it is uncertain how accurate the model will be in evaluating the change in Basin storage and potential impacts to groundwater-dependent habitat when simulating pumping of the proposed groundwater desalination project wells.

Dudek has decades of experience designing and creating numerical groundwater flow models at vastly different scales using the finite-difference USGS MODFLOW code and the pre- and post-processor Groundwater Vistas. As per the District's RFP, the finite-element model was recently transferred to the USGS finite-difference MODFLOW-2005 code using Groundwater Vistas. Dudek reviewed the finite-difference model and observed the following:

- The numerical model is 2-dimensional, meaning the Basin is simulated as a homogeneous aquifer with no vertical discretization between the San Luis Rey River and underlying bedrock.
- Stress periods range from 365 days to 2,920 days (8 years), meaning stream flow and pumping are constant for the lengths (1 year to 8 years) of the stress period. No seasonal variation is simulated, which may affect how the model accurately simulates conditions during wet and dry seasons.

- The San Luis Rey River is simulated with constant stream flow and, potentially, seepage from the river for each stress period. No seasonal variation in stream flow and seepage to groundwater or vice versa (i.e., losing stream vs. gaining stream) is simulated.

Dudek proposes the following steps to further calibrate, validate, and enhance the accuracy of the model to simulate the potential impacts of operating the groundwater desalination project:

- Discretize the model into monthly stress periods to simulate seasonal fluctuations in rainfall, stream flow, imported water return flows, evapotranspiration, and pumping.
- Review lithologic logs of borings drilled in the Basin to identify distinct aquifer units. Distinct aquifer units will be simulated by adding layers to the model.
- Calibrate the finite-difference model and quantify the error using measured groundwater levels in the alluvial basin. Model calibration will be quantified following the ASTM guideline for comparing groundwater flow model simulations to site-specific information (ASTM D5490).
- The model will be updated and calibrated/validated with estimates of hydraulic conductivity and specific yield derived from aquifer tests conducted at existing wells and test wells drilled under Task 700.
- The model will be validated to stream flow data recorded up to 1985 and to groundwater levels recorded up to 2013. In 2006, Dudek installed shallow groundwater monitoring wells at a site adjacent to the San Luis Rey River at approximately 6,000 feet west of the intersection of Interstate 15 and State Route 76.

Task 400 Water Rights Opinion and Confirmation

Rick McNeil, Esq., and Karlene Martorana, Esq., of Wilmer and Snell will serve as counsel to Rainbow Municipal Water District in this matter out of our Orange County office. Rick has over 30 years of experience in all aspects of environmental and land use law, including water rights and water supply, and Karlene's practice is exclusively dedicated to water law. The scope of their representation would be anticipated to include an assessment of existing water rights (riparian, appropriative, pre-1914, etc.), assignment of existing rights to co-parties, review and analysis of existing legal documents, consent decrees, adjudications, relevant case law, especially insofar as they may pertain to importer return flow water rights, and analysis of options to perfect water rights.

Task 500 Collect and Summarize Groundwater Quality Data

Dudek will review historical reports and studies, such as Maps of the Bonsall Area of the San Luis Rey River Valley Showing Geology, Hydrology, and Groundwater Quality (Izbicki 1985); Demineralization of Groundwater within the RMWD (Camp Dresser and McKee 1996); Water Quality and Treatment Technology Assessment for RMWD San Luis Rey Groundwater Supply (Trussell Technologies 2015); and other identified pertinent documents to compile available historical water quality data. Dudek will also review County files to determine if additional water quality data exists for the Basin. All data will be compiled into an Excel file. Primary constituents of concern include total dissolve solids (TDS), iron, manganese, chloride, and sulfate. Additional general minerals and water quality constituents will be evaluated depending on availability of data.

Task 600 Develop Draft Brine Disposal Agreement with Oceanside

Groundwater desalination using reverse osmosis can be a daunting process to fully understand. Groundwater quality, reverse osmosis membrane selection, system design, and changes in operations are just a few of the parameters that effect brine quantity and quality. Incorporating a new, as-yet undefined brine source into another agency's existing ocean outfall operations adds further complexity to a desalination project. Dudek's combined understanding of groundwater resources and reverse osmosis processes will provide the District with a strong partner in development of a brine disposal agreement with the City of Oceanside.

Dudek is well-equipped to be the District's technical advisor in the pursuit of a brine disposal agreement. Dudek will work closely with the District and the City of Oceanside to understand the requirements for a brine disposal agreement. Current agreements between the City of Oceanside and the Fallbrook Public Utilities District, U.S. Marine Corps Base Camp Pendleton, and Genentech will be obtained and reviewed to determine the structure of City of Oceanside outfall user agreements. Dudek will also look at other, non-Oceanside ocean outfall user agreements, including the agreement between San Elijo Joint Powers Authority and the City of Escondido. These agreements will be provided to the District for comparison to the City of Oceanside's agreements. Oceanside's current ocean outfall operation permit will be reviewed to determine potential impacts of the added District brine. Outfall total capacity, the percentage of that total capacity required by a District desalination project, and the sharing of capacity-based costs will be evaluated as part of this task.

Task 700 Evaluate Production Well Sites, Geology, and Production

Based on the results of data collection (Task 200), the initial part of the groundwater model update (Task 300), and the review and inspection of existing wells discussed in Task 500, Dudek will identify and recommend a program to further characterize and enhance our understanding of hydraulic conductivity, transmissivity, and specific yield in the Bonsall Basin. Characterization of these aquifer properties is essential to accurately simulate groundwater level responses in the Basin resulting from the proposed pumping. In addition to existing or new production wells, it will be important to identify observation wells to monitor groundwater level response to well pumping. Data from observation wells is necessary to calculate the specific yield of the Basin. Observation wells may include existing wells or new small-diameter or larger-diameter production wells that would be equipped with pressure transducers to continuously monitor groundwater levels.

Dudek will work with the District in drafting a letter agreement with well owners and/or property owners to access their sites for this study. Access may be requested to monitor water levels and collect water quality samples during aquifer test, or to drill exploratory borings and construct wells for monitoring and/or production purposes. For sites identified and that have permission granted to construct new wells, Dudek will draft a bid package to solicit competitive bids from drilling contractors to drill, construct, develop, and test new wells. Dudek will oversee all phases of well construction and testing, and obtain the required permits from the County, environmental agencies, and RWQCB.

Task 800 Property Acquisition and Costs

Property acquisition, whether through fee or easement, will represent a considerable cost to the District to implement the project due to the anticipated size of the wellfield. The current land ownership in the Bonsall Basin consists of private and public ownership. In particular, the County of San Diego, State of California, and County Water Authority comprise public ownership of a large percentage of the parcels overlying the Bonsall Basin. Each of the public entities and private owners will likely have specific considerations to address as part of the property acquisition analysis. In addition to the hydrogeologic considerations of planning a wellfield, the District needs to evaluate the likelihood of acquiring specific parcels to drill wells and install pipelines.

Based on hydrogeologic, floodplain, ecosystem, and other environmental considerations, Dudek will develop preferred and alternative wellfield capture sites for District review and comment. Based on the preferred alternatives selected for more detailed evaluation, Dudek will prepare plan view drawings of wells, pumphouses, pipelines, and electrical supply. Based on the preferred alternatives, Dudek will determine parcels and rights-of-way required to implement the project. Based on preliminary evaluation, the Bonsall Basin includes 1,521 parcels, of which 40 parcels of more than 1,700 acres are potentially affected by the conceptual wellfield layout. As part of the 40 affected parcels, we identified 14 unique owners.

This scope and fee were developed based on the assumption that 40 parcels with 14 unique owners would require evaluation. Dudek will develop exhibits for review and discussion among the project stakeholders. To complete the exhibits, Dudek has requested the services of San Dieguito Engineering (SDE) to establish geodetic control, right-of-way surveying, and specific parcel title searches. Dudek's subconsultant, Jones, Roach & Caringella, will perform the appraisals based on the title information and acquisition plats developed for the preferred project alternative.

Task 900 Desalter Project Alternatives and Costs

Dudek will review the District's 2017 Technical Memorandum that includes the preliminary evaluation of a groundwater desalter project in the vicinity of the former San Luis Rey Downs Golf Course. Several of the Technical Memorandum's supporting documents will also be reviewed to gain a better understanding of the as-defined desalter project components.

The assumptions made in the 2017 Technical Memorandum will be either confirmed or refined based on the findings of this project. Well yields and groundwater quality estimates will be used to develop an updated groundwater desalter treatment system. The findings of the groundwater quality research (Task 500) may warrant additional pretreatment ahead of the reverse osmosis system. Brine production may change significantly based on the updated desalter project, and will be reflected in the development of a brine disposal agreement with the City of Oceanside (Task 600). Unit costs listed in the 2017 Technical Memorandum will be evaluated and revised as necessary. Updated treatment system capital and operation and maintenance costs will be developed based on new design criteria and treatment equipment manufacturer budgetary quotes. The updated desalter project costs will be itemized and ultimately expressed as a total cost per acre-foot of water produced.

Task 1000 Evaluation of Environmental Issues

Groundwater Resources Constraints Analysis: Potential environmental issues specific to evaluating groundwater resources include impacts to groundwater-dependent ecosystems, groundwater in storage, and well interference with existing users. Additionally, environmental analysis of surface water-groundwater interaction is paramount to designing and constructing a successful project. A water right permit application needs to be filed and approved for extracting groundwater from the Bonsall Basin. It will be necessary to provide a defensible analysis that stream flow is preserved to the benefit of existing beneficial uses as listed in the Basin Plan for the San Diego Region. A water right permit application with the State Water Resources Control Board (SWRCB) requires consideration of environmental impacts per the California Environmental Quality Act (CEQA) before a permit can be issued. Large projects such as the proposed project that could affect natural habitat or water quality usually require preparation of an Environmental Impact Report (EIR). Additionally, the SWRCB examines the proposed project's potential environmental impacts and determines whether mitigation measures will be required.

The recently prepared groundwater model (West Yost 2016) indicated "that median annual pumping rates up to 5,700 afy, or 460 acre-feet per month (afm), could be supported without significant impacts to hydrologic conditions that would exist in the absence of imported water." However, this does not represent the current baseline condition in the Basin. CEQA requires that a project be evaluated to ensure that it does not substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or lowering of the local groundwater table level.

In addition, impacts to groundwater-dependent ecosystems require evaluation. In particular, pumping impacts to groundwater levels and storage during drought periods requires detailed evaluation, since lowering groundwater levels below the rooting depth of phreatophytes will cause plant stress and potentially mortality. For instance, the County of San Diego's CEQA threshold of significance is when a project would draw down the groundwater table to the detriment of groundwater-dependent habitat, typically a drop of 3 feet or more from historical low groundwater levels (County of San Diego 2010). As the County of San Diego is a stakeholder in the project area, including ownership of 340 acres in the area, it will be critical to evaluate historical groundwater table elevations in the Basin and the response of groundwater levels due to project pumping.

Dudek will conduct a conceptual environmental groundwater resources constraints study that will be based on the information gathered from previous tasks and additional environmental/regulatory setting information gathered as necessary. It is assumed that the constraints study will not require additional field work or in-depth modeling (although some quick "back of the envelope" calculations may be run to inform potential constraints of the various alternatives/scenarios). The purpose of the groundwater constraints study will be to help the District understand the benefits/drawbacks of various project options.

Siting Facility Studies: To further guide design decisions, it will be necessary to conduct a desktop review of potential facility site options for biological, cultural/historic, and hazardous constraints. This analysis will allow wells and other facilities to be strategically located to avoid and minimize environmental impacts while optimizing placement and meeting the needs of the project. Dudek proposes the preparation of the following analyses for potential site locations:

- Biological Constraints Analysis
- Preliminary Cultural and Historic Resources Records Search and Technical Memo
- Hazardous Materials/Wastes Constraints Analysis

The suggested preliminary site facility studies identified in this proposal will aid in making optimal project decisions and will assist in preparation of an EIR under CEQA.

This proposal assumes that funding from federal agencies is not being sought for this project; therefore, the project would not be subject to federal environmental regulations, including the National Environmental Policy Act (NEPA). Should federal funding be required that is subject to federal regulation, additional environmental analysis (i.e., CEQA-plus evaluations) may be needed to comply with federal environmental regulations.

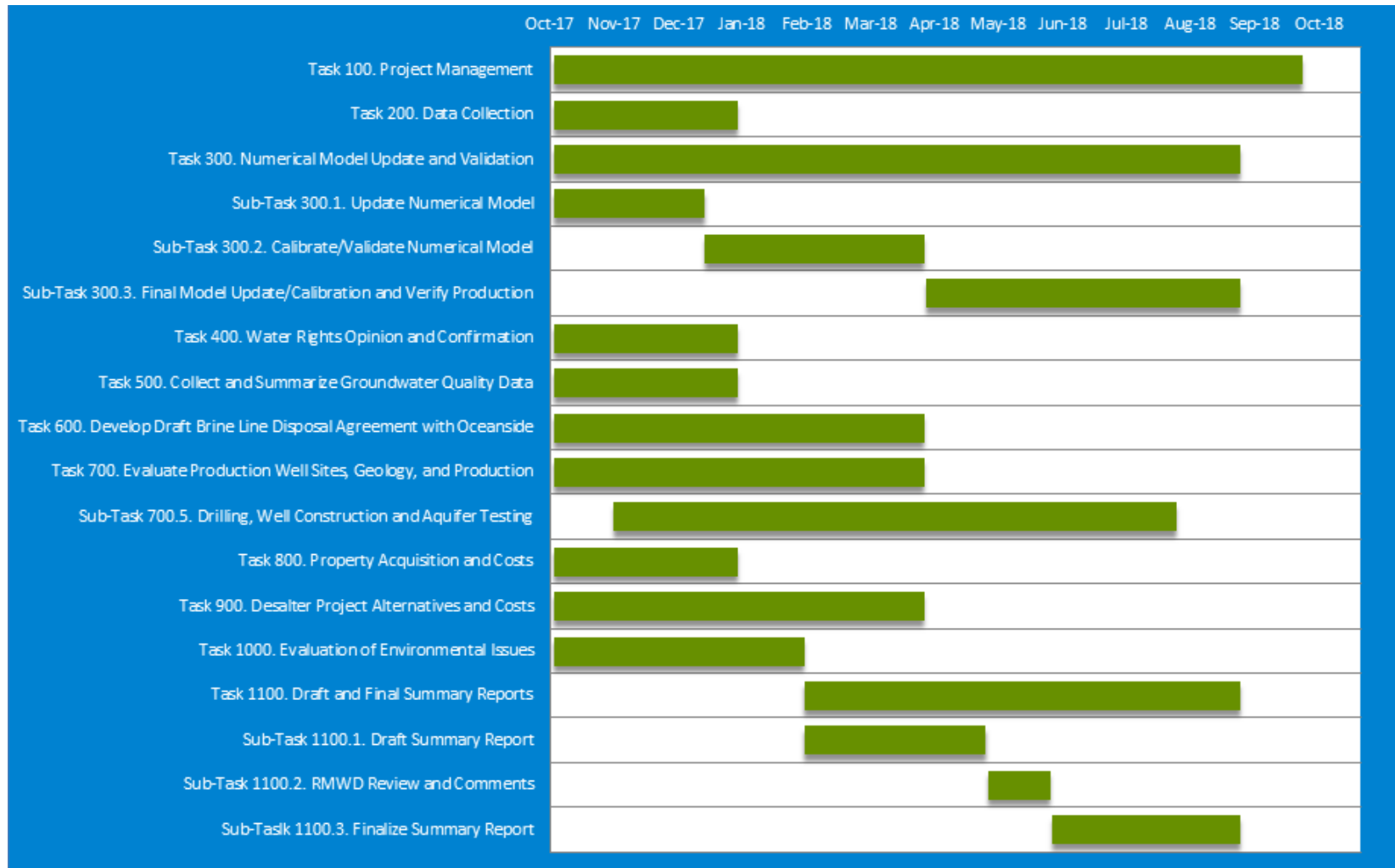
Task 1100 Draft and Final Summary Reports

Dudek will prepare a draft summary report of the above tasks and present findings to District staff at a meeting to be held at the District office. Two additional meetings will be required to present the findings to the Engineering Committee and at a Board meeting. Based on the comments received from District staff and the Engineering Committee, Dudek will make revisions to the report.

Project Schedule

Figure 1 presents the anticipated schedule for this project.

FIGURE 1. PROJECT SCHEDULE



4 Project Manager and Team Qualifications

Dudek will serve as the prime consultant, providing overall management, engineering, and environmental services, and will be responsible for coordinating with District staff.

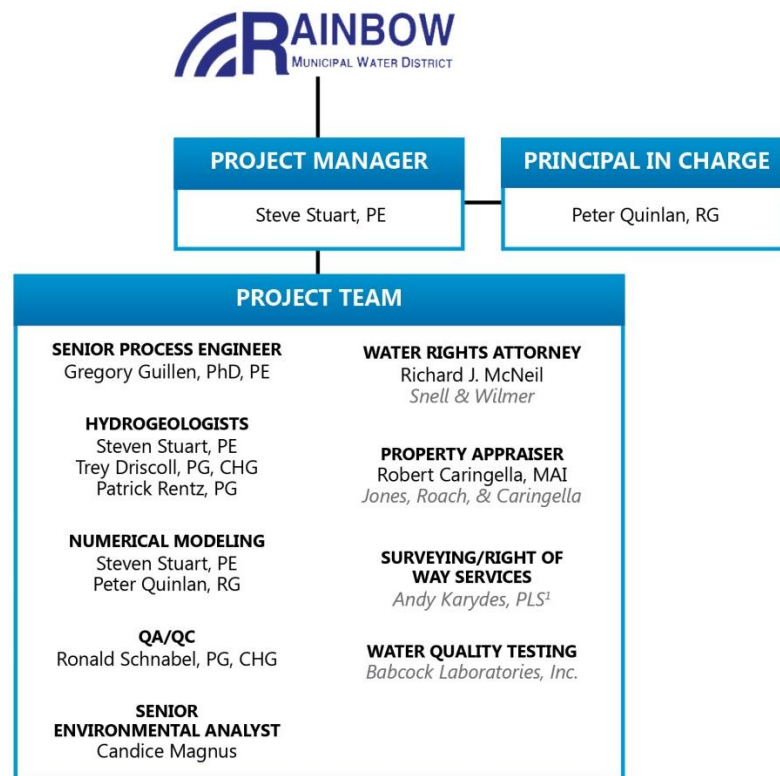
Steve Stuart, who will serve as project manager, has more than 18 years' experience in Southern California conducting groundwater supply projects. Serving as the principal in charge will be Peter Quinlan, RG, who has more than 30 years of experience in groundwater exploration and water resources evaluation.

All staff are fully committed to the extent of the project, and no changes in personnel will be made without prior District approval. For the project we have partnered with the water rights law firm Snell & Wilmer; the property appraisal firm of Jones, Roach & Caringella to identify property requirements; and San Dieguito Engineering for surveying and right of way. The Dudek's team's organization is presented in **Figure 2**. Following the organizational Chart, brief summaries highlight key team member qualifications. Key personnel resumes are presented in **Appendix A**.

Project Team Highlights

- Recent experience in conceptual design of water supply projects
- Qualified team members in membrane processes for treatment of brackish groundwater
- Experienced team of pipeline design experts including brine conveyance planning
- Environmental compliance and permitting experts in desal projects

FIGURE 2. ORGANIZATIONAL CHART



¹ San Dieguito Engineering

Project Manager

Steve Stuart, PE

Steve Stuart has more than 18 years' experience in Southern California conducting groundwater supply projects. He has experience with collecting and analyzing hydrogeologic and geologic data, designing and constructing water production wells and observation wells, designing and implementing 2D and 3D finite difference numerical models to simulate groundwater flow in the unsaturated and saturated zones, and evaluating the feasibility of potential surface water infiltration projects to recharge local groundwater basins. In addition, Mr. Stuart has managed and performed various on-site field activities, such as aquifer testing to estimate aquifer properties and collecting groundwater samples to evaluate water quality.

EDUCATION

San Diego State University
MS, Geology with an emphasis
toward Hydrogeology

University of California, San Diego
BS, Physics with specialization in Earth
Sciences

CERTIFICATION

Professional Engineer, CA No. 79764

PROFESSIONAL AFFILIATIONS

Member of National Ground Water
Association

Principal in Charge

Peter Quinlan, RG

Peter Quinlan is vice president of Dudek's hydrogeology practice and has more than 30 years' experience as a professional hydrogeologist. He worked in groundwater exploration and water resources evaluation for Tetra Tech International and the government of Oman before returning to the United States and working for Hargis + Associates, and eventually, Dudek. Mr. Quinlan's current professional responsibilities include design and supervision of groundwater contamination investigations at hazardous waste sites. Areas of specialization include water resource evaluation, soil and groundwater remediation, expert witness testimony, groundwater modeling, cost allocation among multiple potentially responsible parties at Superfund sites, and environmental assessments.

EDUCATION

University of Arizona
MS, Hydrology

CERTIFICATIONS

Registered Geologist (RG),
AZ No. 26772 (exp. 3/31/2017)

ADVISORY COMMITTEE AFFILIATIONS

Industry Advisory Committee, Department of
Aerospace, Mechanical, and Environmental
Engineering, UC, San Diego

Department Advisory Committee,
Department of Hydrology and Water
Resources, University of Arizona

Senior Process Engineer

Greg Guillen, PhD, PE

Gregory Guillen is a chemical and environmental engineer focused on water and wastewater treatment. Dr. Guillen's education covered the fundamentals of chemical and environmental engineering with an emphasis on water and wastewater treatment. His graduate work focused on advanced membrane materials and processes for separations, including those for water and wastewater treatment. Dr. Guillen has authored several peer-reviewed papers in the field of desalination and membrane filtration, holds multiple patents for membrane formation, and has lectured in the Department of Civil and Environmental Engineering at UCLA. Dr. Guillen has 4 years of experience designing water and wastewater treatment processes and odor control systems.

EDUCATION

University of California, Los Angeles
PhD, Civil Engineering
MS, Civil Engineering
University of California, Riverside
BS, Environmental Engineering

LICENSE

Professional Civil Engineer
CA No. 83897

PROFESSIONAL AFFILIATIONS

California Water Environment Association
WateReuse Association

Hydrogeologist

Trey Driscoll, PG, CHG

Trey Driscoll is a principal hydrogeologist with 16 years' experience overseeing and managing projects in the environmental field. Mr. Driscoll specializes in water resource studies, watershed evaluations, environmental investigations, well locating and drilling, and well design. Mr. Driscoll brings diverse experience to the project team, and has supported numerous projects encompassing a wide range of areas. Mr. Driscoll's project experience includes negotiation of water supply contracts, water rights testimony, preparation of groundwater monitoring and mitigation plans, water quality and hydrology technical reports, Phase I and Phase II site assessments, and exploratory groundwater investigations.

EDUCATION

Hobart and William Smith Colleges,
Geneva, New York
BS, Geoscience and Environmental
Studies

CERTIFICATIONS

Professional Geologist, CA No. 8511
Certified Hydrogeologist, CA No. 936
QSD/QSP, No. 20167

PROFESSIONAL AFFILIATIONS

National Groundwater Association
Groundwater Resource Association of
California

Hydrogeologist

Patrick Rentz, PG

Patrick Rentz is a hydrogeologist with more than 5 years' experience in the hydrogeological and environmental fields. Mr. Rentz has performed a wide range of services in these fields, and specializes in groundwater supply assessment, hydrogeological investigations, and groundwater production wells.

EDUCATION

Scripps Institution of Oceanography
MS, Marine Geology
University of California, San Diego
BS, Environmental Systems - Earth
Science

CERTIFICATIONS

Professional Geologist, CA No. 9150
OSHA 40 Hour HAZWOPER

Senior Environmental Analyst

Candice Magnus

Candice Magnus is an environmental and land use planner with 10 years' experience in coastal/land use planning and environmental review, specifically in compliance with CEQA and NEPA. Ms. Magnus has experience in project management, regulatory permitting, waterfront revitalization, and public outreach. Ms. Magnus is currently serving as the assistant project manager for a variety of projects at Dudek. As a redevelopment planner at the Unified Port of San Diego, Ms. Magnus worked on a variety of planning initiatives and projects over a 9-year period, including the North Embarcadero Port Master Plan Amendment, Seaport Village Planning Project, Lane Field Hotel Development, Tenth Avenue Marine Terminal Strategic Plan, Districtwide Parking and Circulation Study, and the Harbor Island Framework Initiative.

EDUCATION

University of California, San Diego
MIR, Environmental Policy/Planning
University of North Carolina, Charlotte,
BS, Public Administration
Clemson University
BS, Marketing

CERTIFICATIONS

Maritime Terminal Operations
Professional Certification

PROFESSIONAL AFFILIATIONS

American Planning Association
Association of Environmental Professionals

QA/QC

Ron Schnabel, PG, CHG

Ron Schnabel has more than 35 years' experience as a geologist and 15 years as a hydrogeologist. Mr. Schnabel has used his thorough understanding of geology and hydrogeology to help clients requiring planning, permitting, design, and operational expertise with water banking and artificial groundwater recharge projects. He has served as project manager and key team member on more than 20 groundwater banking and recharge projects in California, and for numerous other types of projects. His regulatory experience includes environmental permitting;

EDUCATION

California State University Sacramento
BS, Geology

CERTIFICATIONS

Geologist, Arizona No. 39745
California No. 7836
Oregon No. 2020
Washington No. 463

plans of operation; and CEQA, EIR, and NEPA compliance and permitting. He aims to use his experience to help clients needing surface water and groundwater-related investigations; artificial recharge projects for aquifer storage and recovery; and well design, construction, and testing. Mr. Schnabel's experience includes groundwater modeling, GIS, statistics, surface-water-measurement methods, and geophysics.

Water Rights Attorney

Richard J. McNeil, Snell & Wilmer

Rick McNeil has more than 30 years of experience litigating and advising clients on land use, environmental, and real estate matters. Mr. McNeil is a member of the American Law Institute, where he contributes to the current revision of the Restatement of the Law, 4th, Property. He is also a member of the Litigation Section, and the Environment, Energy, and Resources Section of the American Bar Association; the Litigation Section and the Environmental Law Section of the California State Bar; and the Real Estate, Business Litigation, and Environmental Law Sections of the Orange County Bar Association. He is a member of the Board of Directors of the Orange County Bar Association, and the Chair of the Orange County Bar Association's Diversity Task Force. He has also served as a mediator in a number of land use and environmental cases involving the Clean Water Act, the Clean Air Act, NEPA, CEQA, the Endangered Species Act, and the federal Superfund law.

Property Appraiser

Robert P. Caringella, Jones, Roach & Caringella

Robert Caringella of Jones, Roach & Caringella Inc. will serve as the lead California Certified General Appraiser. Mr. Caringella has 30 years of experience in real estate valuation and has been co-owner of Jones, Roach & Caringella since 1996. He holds the MAI designation conferred by the Appraisal Institute, and is a Certified General Real Estate Appraiser in California. After receiving a Bachelor of Arts degree in Management Science from the University of California San Diego, he began his appraisal career with Jones & Roach. Mr. Caringella has extensive experience appraising many property types in the areas of eminent domain, title claims, civil disputes, lending, litigation, and mitigation. He has specialized experience in redevelopment areas, right-of-way projects, easement interests, contamination, and environmentally sensitive lands. He is past president of the San Diego Chapter of the Appraisal Institute, and has served on the National Board of Directors of the Appraisal Institute. Currently, he is a member of the Board of Directors of the Appraisal Institute Education Trust, and serves on various Appraisal Institute project teams nationally.

Surveyor and Right-of-Way Services

Andy Karydes, PLS, San Dieguito Engineering

Andy Karydes has more than 30 years' professional experience in land surveying, and has held a land surveyors license in California since 1997. Mr. Karydes' experience includes records research, preparation of legal descriptions, easement plats, boundary surveys, American Land Title Association surveys, subdivision maps, parcel maps, records of surveys, terrestrial topographic and aerial photogrammetric surveys, construction surveys, horizontal and vertical control surveys, as-built surveys, map check services for the City of San Diego, and expert witness testimony.

5 Experience and Past Performance

Groundwater Sustainability Support, Engineering and Hydrogeology Services for Borrego Valley Groundwater Basin

Client:	Borrego Water District/County of San Diego
Client Reference:	Geoff Poole, General Manager; 806 Palm Canyon Drive Borrego Springs, California 92004; 760.767.5806, geoff@borregowd.org
Initial and Final Budget:	\$1,500,000
Project Dates:	2013–Ongoing

Dudek is providing Groundwater Sustainability Plan support for the critically overdrafted Borrego Valley Groundwater Basin. Dudek prepared cost estimates for the Groundwater Sustainability Plan (GSP), technical analysis of the existing Demand Offset WCP, and scientific and jurisdictional analysis of the basin boundaries to obtain a Bulletin 118 basin boundary modification, water replacement cost analysis, and analysis on managing proportional groundwater production cutbacks through a water market approach. Dudek is also providing on-call grant application preparation services and support for various projects through numerous chapters of Proposition 1 for the Borrego Water District (BWD).



*Well Development for new
Water Supply*

BWD contracted Dudek to provide engineering and hydrogeology services to analyze various water supply alternatives to serve the Rams Hill Golf Course. Dudek assisted BWD in drafting a long-term cooperation agreement with the golf course to avoid water rights litigation. Dudek characterized the hydrogeology of the southern portion of the basin to assist in determining safe yield. Dudek has performed multiple aquifer tests, drilled five test holes, installed four new production wells, and completed groundwater-level monitoring and water quality sampling, including installation of a telemetry system to continually monitor groundwater levels and groundwater production. Dudek is using the recently completed USGS groundwater model to optimize pumping of the basin and project groundwater level decline.

Dudek is currently the lead consultant for the preparation of the Sustainable Groundwater Management Act (SGMA) mandated GSP. To date, Dudek has compiled all historical data, prepared a water budget update using the USGS MODFLOW-OWHM code, established a basin-wide groundwater level and quality monitoring network, developed a GIS-based data management system, assessed data gaps and made preliminary recommendations to improve sustainable management of the basin. Dudek is currently evaluating supply-side and demand-side project alternatives to augment recharge to the basin and reduce groundwater production.

Hydrogeological and Geophysical Services for Drilling New Groundwater Production Wells, Nitrate Cycle Testing, Water Budget, and Estimated Groundwater in Storage

Client: Rancho Pauma Mutual Water Company
Client Reference: Mindy Houser, Administrator, 760.742.1909, mindy@paumavalleycsd.com
Project Dates: 2013–Ongoing

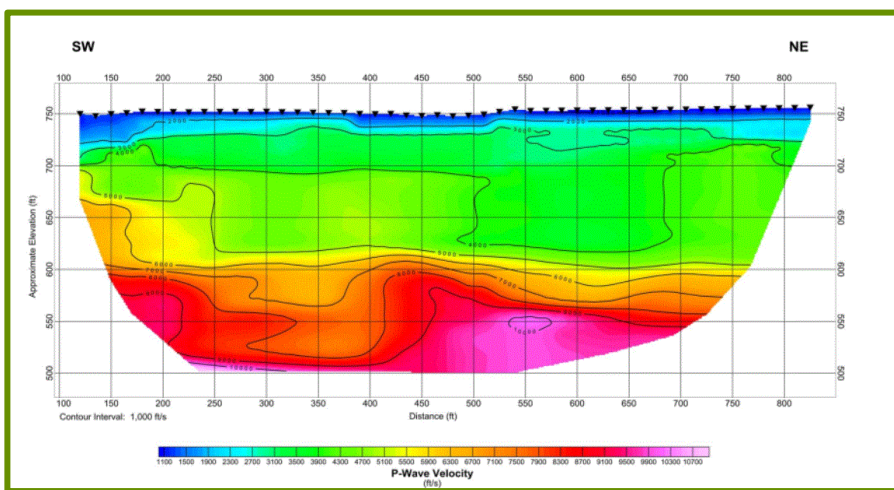
Dudek assisted Rancho Pauma Mutual Water Company in locating and drilling three new production wells in the Pauma Valley groundwater basin. Based on Rancho Water Company’s desired yield, Dudek assisted the Rancho Water Company in achieving greater groundwater production capacity.

Work included hydrogeological evaluations for each new well site, factoring in existing groundwater well locations, topography and geology, water quality, and additional historical local groundwater information provided by the Rancho Water Company. Dudek developed the survey plan for and provided oversight of several geophysical surveys intended to characterize the subsurface contact between saturated sediment and bedrock, and to ground-truth the historical information provided by the Rancho Water Company. The geophysical surveys consisted of several unique methods, including surface seismic refraction, horizontal-vertical spectral ratio readings, and electrical resistivity soundings. Based on the results of the geophysical surveys,



RPMWC Well 40 Casing Installation

Dudek provided recommendations for new groundwater well drilling locations. During the drilling, Dudek geologists logged borehole lithology and designed final water well completion specifications. Following construction of each groundwater well, aquifer tests were performed to quantify the production capacity and aquifer properties of each well.

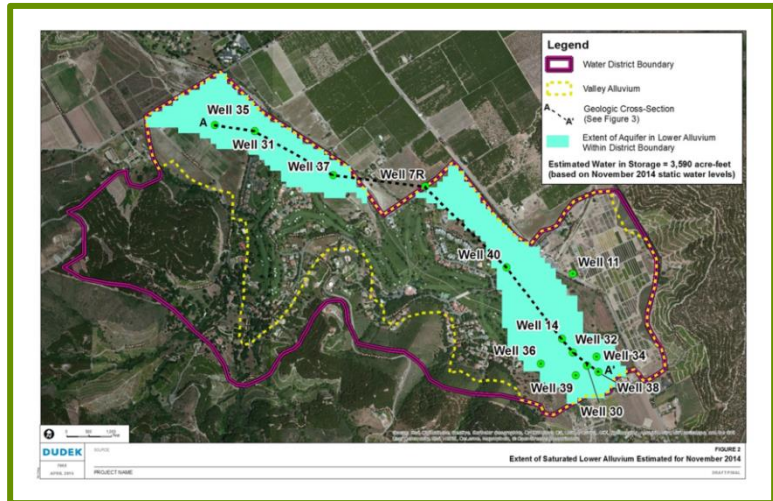


Seismic refraction model performed for Rancho Pauma Mutual Water Company at the location of the new Airport Well to determine depth to bedrock and thickness of saturated sediments.

Source: GeoVision 2015.

Dudek also evaluated Well 7R to monitor nitrate concentrations in the groundwater pumped from the well, including performing annual cycle testing as required by the SWRCB Division of Drinking Water. Dudek evaluated results of annual cycle testing and prepared updates to the Nitrate Operation and Monitoring Plan.

In 2015, Dudek prepared an initial water balance analysis and estimated available groundwater in storage in the alluvial aquifer to provide adaptive management recommendations for wellfield operation during the drought. The goal was to predict the potential change in groundwater storage after 1 year of pumping at alternative extraction rates to meet future demands. Water inflows included infiltrating rainfall, applied irrigation, subsurface groundwater flow, surface water discharge from the San Luis Rey River, and imported water purchased from the Yuima Municipal Water District. Water outflows included evapotranspiration, subsurface groundwater flow, and pumping.



Estimated Extent of Saturated Alluvium in November 2014 for Portion of Pauma Basin Underlying Rancho Pauma Mutual Water Company Service Area

Third-Stage Reverse Osmosis Feasibility Study, Design, and Implementation

Client: Ramona Municipal Water District
Client Reference: Ricardo Soto, District Engineer, 760.910.3555, rsoto@rmwd.org
Initial and Final Budget: \$65,000
Project Completion Date: 2016

Dudek oversaw implementation of a reverse osmosis (RO) system that achieved an overall recovery of 97.5% and cut the District’s brine hauling costs in half.

Dudek evaluated the feasibility of and provided the design for a third-stage RO desalination treatment system at the District’s San Vicente Wastewater Treatment Plant (SVWWTP). SVWWTP produces tertiary recycled water for irrigation uses, and a portion of the recycled water must be desalinated to meet permitted discharge limits for total dissolved solids. The original two-stage RO system achieved an admirable 95% recovery.



Completed reverse osmosis system upgrade for RMWD

Dudek performed a feasibility study for the addition of a third-stage RO system to increase overall recovery and reduce brine hauling costs. Careful consideration was employed when attempting to further increase an already very high RO system recovery, as membrane and system performance can be adversely impacted by aggressive operation. Dudek determined that adding a third RO stage would increase capital costs, membrane energy use, cleaning chemical use, membrane replacement, and staff hours. However, the added maintenance costs were anticipated to be less than the savings realized from decreased brine hauling. The District recognized the economic benefit of the third stage RO system, and Dudek oversaw system design, tie-in to the existing RO system, and site civil design work. RO system installation was completed in January 2016.

6 Fee and Fee Schedule

Please see the fee and fee schedule submitted under separate sealed cover.

7 Exceptions to RFP

Dudek has no exceptions to the RFP, including but not limited to the Consultant Services Agreement.

APPENDIX A

Key Personnel Resumes

Steven Stuart, PE – Senior Hydrogeologist

Steven Stuart has been a professional hydrogeologist at Dudek since 1997. Mr. Stuart has over 18 years' experience in Southern California managing groundwater supply projects and hydrogeological investigations. His experience includes designing, building, calibrating, and implementing 2-D and 3-D finite difference numerical models to simulate groundwater flow and contaminant fate and transport in the unsaturated and saturated zones. Mr. Stuart has used the windows-based pre/post-processor Groundwater Vistas, and conducted simulations with the finite-difference codes MODFLOW and MODFLOW-SURFACT. Additionally, he has designed 3-D finite difference numerical models to simulate multiphase flow of contaminants using the T2VOC and TOUGH2 modeling codes developed at Lawrence Berkeley Laboratory.

EDUCATION

San Diego State University
MS, Geology, with an emphasis
toward hydrogeology

University of California, San Diego
BS, Physics, with specialization in
Earth Sciences

PROFESSIONAL LICENSE

California Professional Engineer,
Civil No. 79764

Numerical Modeling Experience

- Modified an existing 2-D MODFLOW numerical model by expanding the model domain with additional layers to better represent the geology of the groundwater basin and incorporating site-specific aquifer characteristics derived from local aquifer testing. The numerical model was used to simulate the potential change in water table elevation resulting from additional recharge from the discharge of imported water to recharge spreading basins.
- Modified an existing 3-D finite-difference numerical model to evaluate the potential impacts to groundwater levels at a downstream ecological reserve when diverting stream flow and pumping groundwater at a multipurpose basin upstream of the reserve. The modified numerical model incorporated monthly stress periods to simulate monthly variations in rainfall, stream flow and evapotranspiration, which was defined using transpiration rates for riparian vegetation mapped in the reserve.
- Developed a variably-saturated flow model to simulate the potential effects to shallow groundwater levels and soil moisture when modifying a floodplain for a riparian habitat restoration project. The numerical model was used to estimate the depth to the water table and the height of the capillary fringe above the water table. Results from the numerical model were used to design a habitat mitigation plan to sustain new riparian habitat.
- Manipulated the existing USGS MODFLOW groundwater numerical model of the Joshua Basin using Groundwater Vistas to predict changes in aquifer storage as a result of projected growth in the basin.
- Prepared a 3-D MODFLOW groundwater numerical model of the Orange County Groundwater Basin using Groundwater Vistas to evaluate the effect of additional pumping proposed within the basin. The impact on surrounding existing wells was determined by estimating changes in groundwater elevations.
- Prepared a 3-D MODFLOW groundwater numerical model to simulate the transport of dissolved chromium in an aquifer beneath the former Marley Cooling Tower Company facility in Stockton, California. The numerical model is used to evaluate the hydraulic capture and plume containment by the remedial well field. Proposed modifications in the pumping scheme of the remedial well field are evaluated by using the numerical model to predict the effect of such changes.

- Prepared a 3-D groundwater flow and transport model of the Kimball and Gower Hydrologic Sub-Areas near Ramona, California, using MODFLOW-SURFACT to simulate the effect of population growth on the quality of groundwater in the near future.
- Conducted numerical model simulations of multiphase transport of chlorinated solvents from the unsaturated zone to the saturated zone using T2VOC. The numerical model was used to simulate the potential fate and transport of a contaminant from land surface to the water table.

Groundwater Supply and Remediation

- Project manager for implementing a habitat monitoring program for the Yucaipa Valley Water District to monitor the diurnal and seasonal fluctuations of shallow groundwater in riparian habitat adjacent to San Timoteo Creek. Data collected from the monitoring program was used to establish baseline groundwater level conditions and evaluate the potential impacts on established riparian habitat by planned reductions in treated effluent discharge to the creek.
- Data Project Manager for the Yucaipa, Beaumont and San Timoteo Groundwater Management Zones. Responsibilities include collecting, compiling and analyzing groundwater and surface water data to evaluate how each water agency and public entity is operating to maintain the “maximum benefit” of the natural water resource in the upper northeastern section of the Chino Basin that includes San Timoteo Creek.
- Conducted a water budget analysis for an alluvial sub-basin in Pauma Valley, California. The analysis included an estimate of groundwater in storage and an evaluation of potential impacts to storage by anticipated increases in groundwater production from the basin.
- Project manager for designing and implementing a monitoring program to establish baseline groundwater level conditions in shallow alluvium underlying riparian habitat downstream of El Capitan Reservoir and San Vicente Reservoir for the City of San Diego. Soil moisture sensors were installed, in addition to piezometers, to characterize the soil moisture profile from land surface to the water table.
- Project manager to evaluate the performance and water quality of two existing water supply wells for the City of San Clemente and provide recommendations to modify wells to enhance production and water quality.
- Conducted third-party review of existing hydrogeological investigations and data to evaluate the potential influence of groundwater production from fractured bedrock at the Maderas Golf Course in Poway, California on adjacent residential wells and riparian habitat.
- Project manager for the design, construction, development and testing of a production well for the Joshua Basin Water District.
- Coordinated and implemented a 5-day aquifer test of a production well in Orange County to assess the maximum sustainable yield.
- Supervised and logged the drilling, construction, and development of groundwater monitor wells using hollow stem auger in Newport Beach, California.
- Conducted and evaluated the results of a 24-hour constant-rate pump test in Lebec, California.
- Managed the design, construction, and operation of a soil vapor extraction system to remediate soil impacted by chlorinated solvents in Azusa, California.
- Supervised and logged the drilling, construction, and development of SVE wells using the STRATEX air rotary drilling method in Azusa, California.

Peter T. Quinlan, RG

Principal; Hydrogeology Manager

Peter Quinlan has over 30 years' experience as a professional hydrogeologist. He worked in groundwater exploration and water resources evaluation for Tetra Tech International and the government of Oman before returning to the United States and working for Hargis + Associates, and eventually, Dudek. Mr. Quinlan's current professional responsibilities include design and supervision of groundwater contamination investigations at hazardous waste sites. Areas of specialization include water resource evaluation, soil and groundwater remediation, expert witness testimony, groundwater modeling, cost allocation among multiple potentially responsible parties (PRPs) at Superfund sites, and environmental assessments.

EDUCATION

University of Arizona
MS, Hydrology, 1982

CERTIFICATIONS

Registered Geologist (RG),
AZ No. 26772 (exp. 3/31/2017)

ADVISORY COMMITTEE AFFILIATIONS

Industry Advisory Committee, Department of
Aerospace, Mechanical, and Environmental
Engineering, University of California, San Diego
Department Advisory Committee, Department
of Hydrology and Water Resources,
University of Arizona

Project Experience

Groundwater Supply and Development

- Evaluated water quality and quantity and regulatory and water rights issues as part of the due diligence for the acquisition of the Primm casinos and golf courses in Nevada and California.
- Prepared a groundwater supply assessment for the Joshua Basin Water District, including simulations of water level and storage declines in response to various demand growth scenarios. Evaluated recharge estimates, estimated storage, and historical production and declines in groundwater levels, and estimated both recharge from septic system discharges and water quality impacts associated with septic discharge. Identified potential sites for artificial recharge through the capture of storm runoff and imported water.
- Designed and prepared well specification for a new production well for the Joshua Basin Water District. Evaluated potential spreading basin locations for aquifer recharge with imported water.
- Evaluated potential impact of a new production well on water levels and pump submergence in existing wells, on seawater intrusion, and on colored water migration in the Orange County Groundwater Basin for the Laguna Beach County Water District.
- Investigated the groundwater resources and sustainable yield of a 23,000-acre ranch in San Diego County, California. Work included exploration drilling; production well construction; and measuring rainfall, surface water runoff, changes in soil moisture, and changes in groundwater storage. Estimated infiltration and losses to evapotranspiration to calculate recharge and sustainable yield through water balance analysis. Performed an ecohydrology study to evaluate water demands of native plant populations in upland and riparian areas. Project is ongoing.
- Investigated the groundwater resources and sustainable yield of a 25,000-acre ranch in Santa Barbara County, California. Measured rainfall, changes in soil moisture, and changes in groundwater storage. Estimated infiltration and evapotranspiration losses to calculate recharge and sustainable yield through water balance analysis.
- Conducted resource evaluations and prepared a groundwater management plan in accordance with Assembly Bill 3030 to develop groundwater resources in Tijuana Valley, California. Designed a groundwater exploration program for the San Diego Formation, which included the installation of two 1,400-foot-deep observatory wells and a 1,200-foot-deep production well.

- Consulted with Suburban Water Systems to site and design two 1,200-foot exploratory boreholes and two 1,200-foot production wells. Prepared draft well specifications for driller bid packages; interpreted geophysical logs; and designed well screen intervals, slot size and filter pack. Evaluated water quality analyses from zone testing to determine screen intervals.

Groundwater Modeling

- Simulated migration of TCE in south Archibald Plume in Ontario, California, to evaluate potential remedial responses and impacts of further migration.
- Conducted model simulations of the potential impact of various growth scenarios on groundwater supplies for the Joshua Basin Water District. Results of these simulations aided the District in the decision to import water to enhance recharge.
- Performed vadose zone and groundwater modeling of a PCE release for AC Products in *OCWD v. Northrup* litigation over groundwater contamination with PCE; TCE; 1,4-dioxane; and perchlorate.
- Developed solute transport model of a glacial outwash aquifer with complex surface water/groundwater interaction. Simulations included the replicating fate of VOCs degraded by reductive dehalogenation.
- Prepared coupled vapor transport and groundwater transport models of VOC releases from landfills in California and Indiana.
- Participated in the preparation of a finite element model of the San Gabriel Basin that was used to design a groundwater remedy in the Baldwin Park Operable Unit of the San Gabriel Valley Superfund sites.
- Prepared a three-dimensional density-driven flow model of the Tijuana River Valley to evaluate seawater intrusion groundwater development alternatives and groundwater recharge using reclaimed water and injection wells.
- Prepared a groundwater model to simulate the effects of increased infiltration at a wastewater plant in Rancho Santa Fe, California.
- Prepared a groundwater model of the San Dieguito Valley to evaluate the effectiveness of coordinated groundwater pumping and reclaimed water recharge in reversing saltwater intrusion.
- Prepared a solute transport model of a layered alluvial aquifer system to design groundwater remediation at a wood-treating facility in the Central Valley.

Groundwater/Surface Water/Habitat Interaction – Ecohydrology

- Conducted an ecohydrology study to evaluate water demands of native plant populations in upland and riparian areas on a 23,000-acre ranch in San Diego County, California, and the potential impact of groundwater development. Work included measuring rainfall, surface water runoff, changes in soil moisture, and transpiration, and logging plant species and numbers in gridded test cells.
- Conducted an ecohydrology study to evaluate water demands of native plant populations in upland and riparian areas on a 25,000-acre ranch in Santa Barbara County, California. Work included measuring rainfall, surface water runoff, and changes in soil moisture and estimating transpiration. Estimated habitat water requirements by measuring changes in soil moisture. Project is ongoing.
- Evaluated seasonal water quantity and quality requirements of cismontane alkali marsh on Newhall Ranch in Los Angeles County, California. Marsh grasses were sustained by brackish groundwater containing sulfate at concentrations up to 5,000 milligrams per liter.
- Evaluated seasonal water quantity and quality requirements of wetlands habitat on a 250,000-acre ranch in Los Angeles and Kern Counties, California. Study examined potential seasonally varying sources of water to the wetlands and the potential impact of groundwater development.

Trey Driscoll, PG, CHG

Principal Hydrogeologist

Trey Driscoll is a senior hydrogeologist with over 16 years' experience in the environmental field. Mr. Driscoll specializes in water resource studies, watershed evaluations, environmental investigations, well locating and drilling, and well design. Mr. Driscoll brings diverse experience to the project team and has supported numerous projects encompassing a wide range of areas. Mr. Driscoll's project experience includes negotiation of water supply contracts, water rights testimony, preparation of groundwater monitoring and mitigation plans, water quality and hydrology technical reports, and exploratory groundwater investigations.

EDUCATION

Hobart and William Smith Colleges, Geneva, New York,
BS, Geoscience and Environmental Studies

CERTIFICATIONS

Professional Geologist, CA No. 8511

Certified Hydrogeologist, CA No. 936

QSD/QSP, No. 20167

PROFESSIONAL AFFILIATIONS

National Groundwater Association

Groundwater Resource Association of California

San Diego Association of Geologists

Project Experience

Water Supply, Aquifer Characterization and SGMA Support Services, Borrego Water District, Borrego Springs, California. Dudek was retained by the Borrego Water District (BWD) in 2013 to evaluate water supply options for the Rams Hill Golf Course. Dudek completed a series of technical memoranda to evaluate water supply options and provided the BWD technical support to develop the Agreement for the Delivery of Water to the Rams Hill Golf Course. Subsequently, Mr. Driscoll led a drilling program to explore the aquifer underlying Rams Hill. This included drilling and logging five test holes, completing four of the five test holes as production water wells, performing aquifer tests and analysis, water quality sampling, and oversaw installation of wireless system for remote groundwater level and production monitoring. Dudek used the integrated hydrologic numerical model, USGS code, MODFLOW-OWHM, to assist in completing analysis of the sustainable yield of the Southern Management Area of the Borrego Springs Subbasin. Mr. Driscoll prepared technical analysis of the existing BWD and County Demand Offset Water Credit Policy, water cost analysis, economic analysis, and evaluated water quality and water supply options for District customers. Mr. Driscoll is the project manager for Sustainable Groundwater Management Act (SGMA) support services Dudek provided to the BWD. Dudek prepared the Bulletin 118 basin boundary modification request, which was approved by the Department of Water Resources on October 6, 2016.

Hydrogeological and Geophysical Services for the Drilling of New Groundwater Production Wells, Rancho Pauma Mutual Water Company, Pauma Valley, California. Project manager for well siting drill three new production wells in the Pauma Valley groundwater basin. Included hydrogeological evaluations for each new well site, factoring in existing groundwater well locations, topography, geology and water quality. Dudek developed a survey plan for and oversight of several geophysical surveys intended to characterize the subsurface contact between saturated sediment and bedrock. The geophysical surveys consisted of several unique methods including surface seismic refraction, horizontal-vertical spectral ratio (HVSr) readings and electrical resistivity soundings. Based on the results of the geophysical surveys, Dudek provided recommendations for new groundwater well drilling locations. During the drilling of the groundwater production wells, Dudek logged borehole lithology and designed final water well completion specifications. Following the construction of each groundwater well, aquifer tests were performed to quantify the production capacity and aquifer properties. Dudek was able to successfully assist the Water Company in achieving greater groundwater production capacity.

Hexavalent Chromium Study and Municipal Water Wells Installation Project, Santa Ynez River Water Conservation District, Santa Ynez, California. Project manager for design and implementation of a well profiling study to evaluate the potential for naturally occurring hexavalent chromium [Cr(VI)] to impact the water quality at Upland Basin production wells owned and operated by the Santa Ynez River Water Conservation District (SYRWCD). SYRWCD operates 12 groundwater wells in the Upland Basin located north of Santa Ynez in the Alamo Pintado Creek Watershed. Cr(VI) concentrations exceeded the California maximum contaminant level (MCL) for Cr(VI) of 10 micrograms per liter ($\mu\text{g/L}$) in half of the Upland Basin wells. The SYRWCD sought to identify potential discrete zones of naturally occurring Cr(VI) concentrations that exceed the MCL. Preliminary flow data and depth discrete water quality samples indicated vertical variation of Cr(VI) concentrations in aquifer. Dudek used the results of the well profiling study to develop a plan to improve the quality of water supplied by the wells. Dudek designed an inflatable packer with Baski Inc., to selectively pump from aquifer zones with lower Cr(VI) concentrations to reduce the wellhead concentration of Cr(VI) without wellhead treatment.

For wells that will require wellhead treatment, Dudek is working with a multi-consultant team to evaluate potential treatment alternatives. As site geologist, supervised installation of four municipal production wells and one monitoring well in the Upland Basin. Conducted aquifer pump tests, logged lithology of boreholes and assisted with well design. Currently assisting SYRWCD with locating and design of replacement water wells.

Hydrogeology, Engineering and Project Management Services, Jacumba Community Services District, Jacumba Hot Springs, California. Worked in collaboration with Jacumba Community Services District (JCSD) and Jacumba Solar, LLC to develop Water Supply Agreement for the Jacumba Solar Farm. Project manager for subsurface geophysical survey, well locating, design and drilling oversight of the new Highland Center Well completed in October 2016. Implemented a groundwater level monitoring and water quality testing program for the Jacumba Valley Groundwater Basin to evaluate pumping and localized historical groundwater contamination from a gas station. Prepared Preliminary Engineering Report and assisted with U.S. Department of Agriculture (USDA) Rural Development grant application for Manganese Treatment System Water Supply Wells No. 7 and 8, Photovoltaic Solar Array and Pipeline Replacement. Successfully assisted the JCSD obtain a grant totaling \$1.671 million from USDA Rural Development.

Multiple Solar Projects, San Diego County, California. Prepared County required Groundwater Resource Investigation Reports for the Rugged (80 MW), Tierra del Sol (60 MW) and Jacumba (20 MW) Solar Projects including preparation of water balance studies and evaluation of potential impacts to storage, well interference and groundwater dependent ecosystems. Established groundwater monitoring network for 26 private wells located in fractured rock aquifer. Drilled a new production well to depth of 1,311 feet. Performed aquifer testing of multiple wells to establish transmissivity and storage coefficients. Performed additional studies for the Pine Valley Mutual Water Company and Jacumba Community Services District. Prepared multiple Groundwater Monitoring and Mitigation Plans to sustainably manage groundwater resources.

Groundwater Management Plan, Rainbow, San Diego County, California. Served as researcher on lithology and hydrology of the Rainbow valley for a groundwater management plan prepared in accordance with Assembly Bill 3030 to evaluate hydrologic conditions and to assess potential groundwater use and management options.

Gregory Guillen, PhD, PE

Project Engineer

Gregory Guillen is a chemical and environmental engineer focused on water and wastewater treatment. Dr. Guillen's education covered the fundamentals of chemical and environmental engineering with an emphasis on water and wastewater treatment. His graduate work focused on advanced membrane materials and processes for separations including those found in water and wastewater treatment. Dr. Guillen has authored several peer-reviewed papers in the field of desalination and membrane filtration, holds multiple patents for membrane formation, and has lectured in the Department of Civil and Environmental Engineering at UCLA. Dr. Guillen has 4 years of experience designing water and wastewater treatment processes as well as odor control systems.

EDUCATION

University of California, Los Angeles
MS, Civil Engineering
PhD, Civil Engineering
University of California, Riverside
BS, Environmental Engineering

LICENSE

Professional Civil Engineer
CA No. 83897

PROFESSIONAL AFFILIATIONS

California Water Environment Association
WateReuse Association

Relevant Project Experience

San Vicente Third Stage RO, Ramona, California. Dr. Guillen reviewed the third stage reverse osmosis expansion design for the San Vicente Water Reclamation Facility. The additional RO stage increases recycled water production and reduces brine volume. Dr. Guillen evaluated several scenarios to determine the payback periods for the capital investment. The addition of the third stage has cut the District's brine hauling bill in half.

Water Reclamation Facility Chloride Discharge Limits, Confidential Client, Ventura County, California. Dr. Guillen analyzed existing influent/effluent water quality and flows and researched potential sources of elevated chloride at a Ventura County WRF. In addition, Dr. Guillen examined and selected appropriate chloride reduction technologies, including reverse osmosis membrane treatment. Dr. Guillen sized and designed a desalination process that will allow the WRF to meet its chloride discharge requirements. Brine reduction and disposal options are currently being evaluated.

Capacity Analysis - City of Del Mar, San Elijo Joint Powers Authority Cardiff by the Sea, California. Dr. Guillen evaluated the feasibility of diverting a portion of the City of Del Mar's wastewater to be treated by the San Elijo Joint Powers Authority Water Reclamation Facility. The analysis includes conveyance and pumping considerations in existing pump stations and sewers, design of a new force main, and impacts on the operation of SEJPA WRF, the MF/RO system, and the San Elijo Ocean Outfall.

Hexavalent Chromium Compliance Program Management, Joshua Basin Water District, Joshua Tree, California. Dr. Guillen is the District-appointed hexavalent chromium (Cr(VI)) compliance program manager. He provides technical oversight of on-going Cr(VI) treatment pilot studies conducted by the US Bureau of Reclamation. Dr. Guillen is developing a preliminary engineering report in which several treatment technologies are compared based on treatment efficacy and lifecycle cost. Cr(VI) drinking water treatment systems must be in service at five JBWD wells by January 1, 2020.

Industrial Wastewater Pretreatment System Recommendations Memorandum, BACHEM Americas, Inc., Vista, California. Dr. Guillen examined industrial wastewater quantity and quality from a peptide manufacturer in Vista, CA. The client had historically not met discharge limits set forth by Encina Wastewater Authority's Source Control Program. As a result, the client was forced to stop discharging its industrial wastewater to the local sewer and begin hauling offsite at a considerable cost. Dr. Guillen made recommendations on a wastewater pretreatment system design that would allow the client to reliably comply with EWA's wastewater quality requirements, restore wastewater discharge to the local sewer, and eliminate all hauling costs.

Well Rehabilitation Master Plans, Goleta Water District, Goleta, California. Dr. Guillen helped develop Master Plans for the Goleta Water District for the rehabilitation of several drinking water wells. Dr. Guillen led the evaluation of the iron and manganese treatment systems and provided operational and capital improvement recommendations to the District.

San Jacinto Valley Enhanced Recharge and Recovery Program, Eastern Municipal Water District, San Jacinto, California. Dr. Guillen created the preliminary design for a centralized iron, manganese, and nitrate treatment system. Several new wells were considered for returning to service, all of which exceeded drinking water quality standards for iron, manganese, and/or nitrate. Dr. Guillen designed a treatment system to bring all of these constituents to below their MCLs without the need for costly ion exchange or reverse osmosis.

Preliminary Engineering Report for Proposed Domestic Water Supply Project Manganese Treatment System Water Supply Wells No. 7 and 8, Photovoltaic Solar Array and Pipeline Replacement, Jacumba Community Services District, Jacumba, California. Dr. Guillen developed a preliminary design of a manganese treatment system for Jacumba Community Services District. Dr. Guillen helped write the preliminary design report, which was used to secure USDA grant funding for the procurement and construction of the treatment system, PV solar array, and pipeline replacement.

Recycled Water Feasibility Engineering Study, The Claremont Colleges, Pasadena, California. Dr. Guillen led the development of a recycled water feasibility study for The Claremont Colleges. Several different alternatives for bringing recycled water to The Claremont Colleges were evaluated. It was determined that the most feasible source of recycled water would be from an on-campus water reclamation facility drawing wastewater from the local sewer. Local wastewater availability, campus irrigation demands, and irrigation water quality requirements were evaluated. Stakeholders, conceptual treatment plant design, and funding opportunities were identified in the final feasibility report.

Woods Valley Ranch Water Reclamation Facility Phase 2, Valley Center Municipal Water District, Valley Center, California. Dr. Guillen designed secondary, tertiary, and disinfection processes for the Woods Valley Ranch WRF Phase 2 expansion. Secondary wastewater treatment consists of an Aero-Mod extended aeration system capable of full nitrification-denitrification. Tertiary treatment consists of coagulation, flocculation, and cloth disk filters. Dr. Guillen developed a tracer study protocol in coordination with the California Department of Public Health (now Division of Drinking Water) that will be used to recertify the existing chlorine contact basins to determine their ultimate capacities. The WRF will continue to produce Title 22 quality effluent.

Crestline Sanitation District Title 22 Engineering Report, Crestline Sanitation District, Crestline, California. Dr. Guillen was the project manager for the creation of a Title 22 Engineering Report to cover Crestline Sanitation District's multiple wastewater recycling facilities and common recycled water outfall. The Title 22 Engineering Report required close coordination with the Division of Drinking Water and two Regional Water Quality Control Boards. The project enabled CSD to continue discharging recycled water on pasture land and also to sell recycled water for dust control.

Candice Magnus

Environmental Project Manager

Candice D. Magnus is an environmental and land use planner with 10 years' experience in coastal/land use planning and environmental review, specifically in compliance with the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA). Ms. Magnus has experience in project management, regulatory permitting, waterfront revitalization, and public outreach. Ms. Magnus is currently serving as the assistant project manager for a variety of projects at Dudek. As a redevelopment planner at the Unified Port of San Diego, Ms. Magnus worked on a variety of planning initiatives and projects over a nine-year period including, the North Embarcadero Port Master Plan Amendment, Seaport Village Planning Project, Lane Field Hotel Development, Tenth Avenue Marine Terminal Strategic Plan, Districtwide Parking and Circulation Study, and the Harbor Island Framework Initiative. Ms. Magnus also coordinated multiple projects and planning initiatives with the San Diego Regional County Airport Authority including, the 2008 Airport Master Plan, the Northside Improvements Plan, the Airport Land Use Compatibility Plan, and the 2701 North Harbor Drive Demolition and Remediation Project. Ms. Magnus has worked with the California Coastal Commission (CCC) and other regulatory agencies and she has experience working with a variety of stakeholders for planning projects and initiatives. She is dedicated to project success through quality work and the achievement of project goals and objectives.

EDUCATION

University of California, San Diego
MIR, Environmental Policy/Planning, 2007

University of North Carolina, Charlotte,
BS, Public Administration, 2001

Clemson University
BS, Marketing, 1997

CERTIFICATIONS

Maritime Terminal Operations
Professional Certification

PROFESSIONAL AFFILIATIONS

American Planning Association
Association of Environmental Professionals

Project Experience

Water/Wastewater

Santa Margarita River Conjunctive Use Project EIR/EIS, Fallbrook Public Utilities District, Fallbrook, California. Ms. Magnus authored key sections of the EIR/EIS for the Santa Margarita River Conjunctive Use Project. The project proposed to enhance groundwater recharge and recovery capacity within the Lower Santa Margarita River Basin by constructing new facilities and developing a conjunctive use program that would increase available water supplies for the benefit of Marine Corps Base Camp Pendleton and the Fallbrook Public Utilities District.

Monterey Bay Region Water Project Environmental Impact Report (EIR)/Environmental Impact Statement (EIS), California State Lands Commission, Monterey, California. Ms. Magnus wrote sections of the Draft EIR for the Monterey Bay Regional Water project that proposed to construct and operate a seawater desalination facility, co-located data center, and associated components to provide up to 25,000 acre-feet per year of potable water and data transmission and storage services in the region. The project included three product water distribution systems to provide potable water to locations in Monterey and Santa Cruz Counties. The project also included a hydroacoustic monitoring system for water quality data collection and other research purposes.

Development

B Street Pier Mooring Dolphin EIR, Port of San Diego, California. Ms. Magnus acted as the assistant project manager for the Final EIR for the proposed B Street Pier Mooring Dolphin project. The project included the installation of a rectangular mooring dolphin platform supported by concrete piles, and a catwalk system that connected the mooring dolphin to the west end of B Street Pier. The project was designed to allow cruise ships up to 1,135 feet in length to be safely berthed along the north side of B Street Pier.

Pala Mesa Highlands Project Resource Management Plan, Beazer Homes Holding Corporation, Fallbrook, California. Ms. Magnus assisted in writing the on-site and off-site Resource Management Plans for the Pala Mesa Highlands Project. The 84.6-acre project included a 34.8-acre open space preserve as required by the mitigation requirements identified in the Final Subsequent Environmental Impact Report (SEIR) for the project. The Resource Management Plan provided direction for the permanent preservation and management of the on-site and off-site biological open space preserve. The plan establishes baseline conditions; provides an overview of the operation, maintenance, administrative, and personnel requirements; and guides for management of vegetation communities/habitats, plant and animal species, and programs that enhance biological values.

Cannon Road Agua Hedionda South Shore Specific Plan Project, Caruso Acquisition Co. II LLC, Carlsbad, California. Ms. Magnus wrote sections of the environmental analysis for the proposed Agua Hedionda South Shore Specific Plan. The Specific Plan consisted of 203.4 acres between the south shore of the Agua Hedionda Lagoon and Cannon Road in the City of Carlsbad. The Specific Plan permanently conserved and restored 176.7 acres of open space lands and agricultural fields, or more than 85% of the entire Specific Plan area, which enhanced existing habitat, sensitive species and riparian/wetland resources and provide for the continuation of coastal agriculture and strawberry farming. The remaining 26.7 acres of the Specific Plan area included a new pedestrian-oriented visitor-serving outdoor retail, shopping, dining and entertainment promenade.

Breakwater Imperial Beach Addendum, Sudberry Properties Inc., Imperial Beach, California. Ms. Magnus wrote the Final Environmental Initial Study and Addendum to the Mitigated Negative Declaration (MND) for the Breakwater Imperial Beach project, which analyzed a modification in the original project under the California Public Resources Code Section 21166 and CEQA Guidelines Section 15162 to address the environmental effects of the proposed project modifications. The updated design included removal of two separate retail spaces on the western portions of project site and inclusion of an approximately 4-story, 100-room hotel.

Vallejo Marine Terminal (VMT) Project, City of Vallejo, California. Ms. Magnus wrote sections of the Final EIR for the proposed VMT and Orcem California, Inc. project. The VMT component of the project included the demolition of the former General Mills Warehouse buildings; removal of a deteriorated timber wharf; construction of a modern deep-water terminal, including wharf improvements, laydown area, trucking and rail connections; rail improvements; and construction of a rock dike. As an operational deep draft facility (allowing vessels with a vertical distance between the waterline and the bottom of the ship of approximately 38 feet), the VMT terminal was proposed to service the import and export of a wide variety of bulk and break-bulk commodities within approximately 10.5 acres referred to as the VMT Terminal Site. Construction of the terminal required fill and dredging activities in the water. In addition to the construction and operation of this modern terminal, the VMT component also included reuse several of the existing buildings formerly occupied by General Mills as commercial and administrative office uses.

Patrick Rentz, PG

Hydrogeologist

Patrick Rentz is a hydrogeologist with over 5 years' experience in the hydrogeological and environmental fields. Mr. Rentz has performed a wide range of services in these fields and specializes in groundwater supply assessment, hydrogeological investigations and groundwater production wells.

Project Experience

Multiple Groundwater Well Installations, Borrego Springs, California.

Served as project geologist. Duties included supervising the well drilling, geophysical borehole logging, well development, aquifer pump testing and designing well construction specifications for multiple groundwater supply wells. Coordinated with the Borrego Water District (BWD) to obtain basin-wide lithology data and prepared regional geologic cross-sections. Prepared multiple water supply applications for BWD.

Groundwater Well Valuation, Borrego Springs, California. Performed an assessment of the existing condition of a network of groundwater irrigation supply wells for a potential real estate/property transaction. Evaluated the well construction, materials, production capacity and service life to estimate a value on the groundwater production infrastructure.

Groundwater Supply Assessment for Solar Project, Lucerne Valley, California. Performed an evaluation of the existing condition of 20 on-site groundwater wells to support the solar project construction and operational water demand. Evaluation included review of historical well logs, downhole well video logs and well locations relative to local aquifer type and thickness.

Aquifer Zone Testing for Multiple Pilot Boreholes, Oasis, California. Performed zoned aquifer pump and water quality testing for multiple pilot boreholes as part of a groundwater supply program at a 1,000 acre property in Oasis, California. The zone testing and sampling was performed to assess quantity and quality of potential irrigation water, suitable for citrus crop. In addition to the zone testing, duties included interpretation of drill cuttings and geophysical borehole logs.

Groundwater Well Drilling Locations, San Diego and Riverside Counties, California. Analyzed current and historical aerial imagery, color infrared imagery, geologic maps, high resolution digital topographic data and well logs in addition to active investigation techniques (electromagnetic soundings, magnetometer surveys and terrestrial electrical resistivity surveys) to recommend new water well locations for multiple private land holdings in southern Riverside County and county-wide in San Diego.

Artesian Groundwater Condition Investigation, Newhall, California. Collected and managed site water level data and performed slug tests and pump tests to determine aquifer properties. Coordinated, planned and performed geophysical survey to characterize the subsurface conditions of a spring complex. Obtained well permits and supervised well destruction.

EDUCATION

Scripps Institution of Oceanography
MS, Marine Geology, 2011

University of California, San Diego

BS, Environmental Systems - Earth Science,
2009

CERTIFICATIONS

Professional Geologist, CA No. 9150

OSHA 40 Hour HAZWOPER

Groundwater Well Monitoring, San Diego County, California. Maintained and monitored a network of over 40 groundwater wells. As project geologist, devised and performed aquifer pump tests on several of the production wells within the network. Coordinated with the County of San Diego to provide data for the county-wide groundwater monitoring program.

U.S. Forest Service (USFS) Groundwater Well Investigation, San Diego County, California. Planned and performed step test and constant rate aquifer testing at multiple groundwater supply wells for the USFS in eastern San Diego County. Performed temperature logging and depth-discrete water quality sampling in order to diagnose production zone contributing to high iron concentrations in the groundwater.

Seawater Intrusion Investigation, San Clemente, California. Evaluated existing conditions of the City of San Clemente's water supply wells. Supervised fluid conductivity, flow and temperature surveys in the wells and collected depth-discrete water samples for analysis. Proposed a well development schedule and well construction modification based on the results of the investigation.

Groundwater Well Evaluation and Assessment, Santa Catalina Island, California. Performed a field investigation and well assessment for over 30 supply and monitoring wells throughout the island. Further investigation of select wells included downhole video logging, well rehabilitation and historical production data review. Additional work included aquifer testing of the City of Avalon's groundwater supply wells and evaluation of pumping influence.

Small Water System Support, San Diego County, California. Acting as a consulting geologist supporting several small water systems in eastern San Diego County. Duties included aquifer testing and evaluation of pumping influence for prove-out of water supply, preparation of source capacity report for California Public Utilities Commission (CPUC), and annual monitoring of groundwater pumping for each small water system.

Residential Community Support, Carmel Valley, California. Acting as the consulting geologist for the homeowner's association of a residential community in Carmel Valley, California. Duties included education on groundwater well drilling regulations, local aquifer production and expected water quality, review of favorable water well drilling targets, and impacts of multiple production well installations.

Ronald Schnabel, PG, CHG

Senior Hydrogeologist

Ronald Schnabel has more than 35 years' experience as a Geologist, and 15 years as a Hydrogeologist. Mr. Schnabel has used his thorough understanding of geology and hydrogeology to develop clients requiring planning, permitting, design and operational expertise with water banking and artificial groundwater recharge. He has served as project manager and key team member on over twenty groundwater banking and recharge projects in California, and for numerous other types of projects. His regulatory experience includes environmental

permitting, plans of operation, CEQA, EIR, and NEPA compliance and permitting. He aims to use his experience to help further develop clients needing surface water and groundwater related investigations, artificial recharge projects for aquifer storage and recovery, well design, construction and testing. Mr. Schnabel's experience includes groundwater modeling, GIS, statistics, surface-water-measurement methods, and geophysics.

EDUCATION

California State University Sacramento
BS, Geology

CERTIFICATIONS

Geologist, Arizona No. 39745
California No. 7836
Oregon No. 2020
Washington No. 463

Project Experience

Preliminary Conceptual Design, Lower May Sediment Placement Site, Los Angeles County Department of Public Works, Los Angeles County, California. Project Manager for the conceptual civil engineering and landscape design for the facility. Supervised work of the hydrological and landscape architectural sub-consultants. Managed project budget and deliverables.

Evaluation of the Proposed Fremont Valley Preservation Project Groundwater Bank, AquaHelio Resources, LLC, Kern County, California. Conducted an evaluation of the Fremont Valley Groundwater Basin to determine the effects of groundwater banking on the basin. Conducted twenty-three test borings and twelve hydraulic conductivity tests to evaluate surface recharge potentials. Constructed three percolation test basins to estimate infiltration rates. Conducted five aquifer pumping tests to estimate aquifer parameters to construct a conceptual geologic groundwater model to evaluate the groundwater banking operations. Estimated the safe yield of the Basin by precipitation and change in storage methods.

Percolation Basin Testing and Design Recommendations, Coachella Canal Lining Coordination Committee Technical Memorandum, San Bernardino County, California. Conducted percolation basin testing at Coachella Valley Water District's (CVWD) Unlined Canal and at the Dos Palmas Aqua Farms percolation basins to estimate infiltration rates. Used falling-head and constant-head percolation tests to estimate percolation rates. Results were then used to plan new percolation ponds on the CVWD Unlined Canal and at the Dos Palmas Aqua Farms.

Evaluation of Groundwater Banking Project Impacts, Environmental Science Associates, Kern County, California. Evaluated the affects of the proposed West Kern Water District Groundwater Banking Project to groundwater levels and to water quality for an EIR. Used the WinFlow modeling software to estimate the drawdown and mounding impacts for different well configurations, pumping and recharge amounts and for different locations. Examined historic groundwater level and water quality data to estimate project impacts to baseline conditions. Characterized the groundwater basin. Reviewed pumping tests to obtain aquifer parameters for modeling.

Semitropic Groundwater Model, Semitropic Water Storage District, Wasco, California. Project Manager for the development of an extensive groundwater model used to estimate groundwater-banking impacts to adjacent water districts. The model required the development of an extensive Access database capable of manipulating large amounts of data on a monthly basis.

Santa Ana River Groundwater Recharge Optimization Study, San Bernardino Valley Water Conservation District and San Bernardino Valley Municipal Water District, San Bernardino, California. Conducted recharge infiltration rate studies as part of a team to evaluate potential recharge and optimization for the upper Santa Ana River. Conducted falling-head and constant-rate recharge tests on existing recharge basins and worked with team to plan new facility locations.

Centennial Hydrogeologic Investigation, Centennial Founders, LLC, Los Angeles, California. Conducted a hydrogeologic study to assess the quantity and quality of groundwater. Performed preliminary design and cost estimating for groundwater recharge and recovery facilities consisting of approximately 100 acres of spreading grounds and seven recovery wells. Conducted an extensive hydrogeologic study that included drilling and installing eight monitoring wells, designing and constructing a groundwater recharge test basin, and estimating the safe groundwater yield for local groundwater supply. This investigation was a portion of the water resource assessment study for a major planned community.

White River Recharge Site Investigation, Kern-Tulare Water District, Kern County, California. Conducted groundwater recharge basin tests to estimate percolation rates for a proposed groundwater banking operation. Drilled an exploratory borehole to determine the viability of conducting a groundwater storage and recovery program.

Groundwater Resource and Quality Investigation, Blackwell Land, LLC, Bakersfield, California. Evaluated the quality and availability of groundwater for approximately 45 square miles of the Berrenda Mesa Water District in western Kern County. Examined historic groundwater levels and water quality, characterized the groundwater basin and provided estimates of current groundwater quantities and quality. Performed pumping tests to obtain aquifer parameters and for water quality testing.

Evaluation of Groundwater Banking Sites for Cattani Farming, Kern County, California. Conducted three different property evaluations for potential groundwater banking operations. Investigations included evaluating soil conditions, estimating infiltration rates, and locating potential subsurface impediments to recharge. Groundwater recovery was evaluated for each property site. This required aquifer characterization, well placement analysis, and water quality and well drawdown impact considerations.

Freeport Element of the American River Use Strategy, San Joaquin County Department of Power and Water, San Joaquin County, California. Developed recharge modeling constraints such as soil properties, geology, water quality and levels, environmental considerations, and land use that were used to rank potential recharge site favorability. Ranked constraints values were incorporated with GIS mapping to identify favorable groundwater recharge and In-Lieu water use sites.

Groundwater Storage and Recovery Pilot Project in White Wolf Basin, Wheeler Ridge-Maricopa Water Storage District, Kern County, California. Conducted a detailed hydrogeologic investigation on recharging State Water Project water in the White Wolf Basin for groundwater banking. The investigation included field work and reviewing reports, well construction information, groundwater quality and level data, oil and gas well information, and geophysical investigations. The investigation included surface recharge pond tests, design and construction of monitoring wells, water quality sampling, and conducting three aquifer pumping tests to estimate storage aquifer parameters.

Yokohl Ranch Groundwater Study, The Yokohl Ranch Company, Tulare County, California. Evaluated the potential impacts to groundwater levels from the proposed development of a master planned community. Reviewed and worked with water quality consultants on the potential impacts of the planned community to groundwater quality.

Semitropic Ridge Groundwater Quality Investigation, Semitropic Water Storage District, Wasco, California. Studied historical water uses, groundwater quality and production information, oil and gas production data, and well construction information to evaluate the nature and occurrence of high saline groundwater.

Ocotillo-Coyote Wells Hydrology and Groundwater Modeling Study, US Gypsum, Ocotillo, California. Reviewed available reports, well information, groundwater level and quality data, and conducted field work to generate a conceptual geologic model used for a groundwater model. The work was the major part of an EIR/EIS to estimate future groundwater conditions with increased production from the basin. Work included environmental documentation and responses to comments on the project's hydrogeologic affects.

2005 Groundwater Monitoring Improvement Project, Semitropic Water Storage District, Wasco, California. As the Project Manager for this project, 21 wells were equipped with continuous groundwater level measuring devices (data loggers), and two aquifer tests were conducted to estimate aquifer parameters within unconfined and semi-confined aquifers.

Water Master Plan, The Huntington Library, Art Collections, and Botanical Garden, California. Three groundwater production wells were evaluated as part of the Huntington's WMP. The evaluation included review of historical information, such as power usage and redevelopment procedures, and estimating specific capacity. Based on the findings of this evaluation one well will be replaced to provide groundwater reliability.

Washingtonville, US Gypsum, Pennsylvania. Analyzed groundwater pumping test data from a fractured rock aquifer to evaluate potential groundwater production effects on local groundwater levels and supplies.

Well No. 5 MTBE Study, Crescenta Valley Water District, California. Used available reports and data, well construction information, groundwater quality, and groundwater level information to characterize the hydrogeology of the Verdugo Basin. This effort was conducted to assist with the review of site contamination data to evaluate potential sources of MTBE contamination observed at one of the District's wells.

High Desert Power Project, High Desert Power Project LLC, San Bernardino County, California. Collected and analyzed surface and groundwater quality data and incorporated USEPA statistical guidance procedures to prepare the drafts "Statistical Analysis of Background Water Quality Data and Proposed Approach to Determine SWP Water Treatment Levels" "Sampling and Analysis Plan" (SAP) and the "Draft Treatment and Monitoring Plan" for groundwater banking operations.

Adjudication and Litigation Support

Antelope Valley Groundwater Basin Adjudication, Tejon Ranch Company, California. As part of the Antelope Valley Technical Committee, worked on defining the basin's geologic setting, natural groundwater yield, production safe yield, and defining the basin's current groundwater status.

Litigation Support, Wheeler Ridge Farms, California. Conducted field evaluation of natural springs to estimate reliability and determine historical usage. Used historical and field information to demonstrate that the springs produce a reliable source of water for ranching.

Litigation Support, California Department of Transportation, California. Worked with the State of California and land appraisal consultants on estimating the values of gravel deposits for condemnation.

General Manager Experience

Big Lost River Irrigation District, Idaho. Conducted the day to day operations of one of the largest irrigation district in Idaho. Supervised and trained district personnel to perform surface hydrologic measurements related to water supply and delivery for increased accounting of surface- and groundwater resources. Studied historical data on the Big Lost River watershed to produce estimated stream flow figures. The estimated flows were used to adjust Mackay Reservoir storage rule curves, and to produce surface water supply estimates and recharge determinations for the basin. Managed the construction of a river drop structure, designed and supervised the construction of canal diversions, checks, and river barbs. Responsible for all permits related to river construction projects.

Mining Company Experience

Project Geologist of several major drilling and development projects. Duties included hiring and supervising staff, producing and managing budgets, mapping, sampling, and generating all databases, reports, maps, and final presentations and recommendations on projects.

Project Geologist for the Sultana Project, Idaho. Conducted detailed geologic mapping, and soil and rock geochemical program, which identified areas to be drill tested. Managed drilling program and geologically logged forty-nine core drill holes up to 850 feet in depth. This extensive investigation of the project's geologic and chemical properties proved that a significant resource is present.

Project Geologist for the Annie Laurie Deposit, Utah. Conducted a two-year field investigation consisting of large-scale mapping and sampling an area of over 7,000 acres in the rugged mountains of central Utah. The results were used to drill test and determine the potential of developing an underground deposit.

Chief Project Geologist for the Molson Skarn Joint Venture Agreement, Washington. Responsible for all geologic and operational duties for a major joint venture agreement between two international mining companies.

Robert P. Caringella, MAI

Educational Background

B.A. degree in Management Science, Economics Department, University of California, San Diego	1987
Professional Courses Completed:	
Appraisal Institute (or AIREA):	
Real Estate Appraisal Principles/Valuation Procedures	1987
Capitalization Theory and Techniques - Parts A & B	1988
Case Studies in Real Estate Valuation	1989
Report Writing	1991
Standards of Professional Practice	1995, 1999, 2003, 2005, 2008, 2010, 2012
Limited Partnership and Common Tenancy Valuation	2002
Fundamentals of Separating Real/Personal Property and Intangibles	2012
Seminars Attended (partial list):	
Appraisal Institute (or AIREA):	
Uniform Appraisal Standards for Federal Land Acquisitions	2011
Appraising Unique Properties	2010
Annual Litigation Seminar	1989, 1990, 1995, 1996, 2007
Conservation Easements	2005
Planning and Land Use	1990
OREA Federal and State Laws and Regulations	1995, 1999
Attorneys, Appraisers & Real Estate	1996, 1997, 1998
Blueprint Reading	1996
Environmental Issues	1996
San Diego Economic Update	2004, 2005, 2006, 2007, 2009, 2012
Mitigation Land Update and Valuation	1997
Tax Assessment	1997
Apartment Seminar	1998, 2003, 2005
Retail Property Analysis	1998
Single Tenant Net Leased Properties	1999
Trends in R&D Market	2002
Advanced Appraisal	2004
International Right-of-Way Association:	
Easement Valuation	1990
Mock Condemnation Trial	1994, 2000, 2012
Eminent Domain Case Update	1995, 1997, 2002, 2005
ASA-IRS Symposium	2006

Professional Affiliations

Member, Appraisal Institute (MAI No. 9649)
 Certified under Continuing Education Program
 Appraisal Institute, Appraiser Development and Qualifications Committee, present
 Appraisal Institute Education Trust, 2011-2013
 National Board of Directors, Regional Vice Chair 2007, Regional Chair 2008
 President, San Diego Chapter, 2005
 Board of Directors, San Diego Chapter, 1999-2001, 2003-2005
 Leadership Development and Advisory Council, 1999 and 2000 (National)

Past Chairman of Experience Review Committee, San Diego Chapter 1996-98
 California Certified General Real Estate Appraiser (AG003295)
 Member, International Right-of-Way Association
 Board of Directors, San Diego Chapter, 1999-2003
 Young Leadership Council, 1998 and 1999 (National)

Appraisal Experience

Co-Owner - Jones, Roach & Caringella, Inc. (formerly Jones & Roach, Inc.), Since 1996
 Appraiser - Jones & Roach, Inc. - 1987-1996

Testimony Experience

San Diego Superior Court
 San Diego Assessor Tax Hearing
 Imperial County Superior Court
 US District Court, Special Master

Teaching Experience

Speaker - Lormon Seminar, Law of Easements: 2013
 Speaker - MCLE Seminar, Eminent Domain: 2011
 Speaker - Caltrans Seminar, Contaminated Properties: 2011
 Speaker - Appraisal Institute Litigation Seminar So. Cal.: 2007
 Speaker - IRS Symposium, Conservation Easements: 2006
 Co-Creator, Co-Instructor - "Advanced Refresher": 2004
 Co-Instructor - "Rates and Ratios", Appraisal Institute: 2003
 Guest lecturer at UCSD, SDSU, USD, and Point Loma Nazarene University on Appraisal
 Seminar Creator/Moderator - "The Client": 2003
 Speaker - IRS Seminar "Valuation of Fractional Interests": 2000
 Speaker - San Diego Assessor's Seminar: 1998
 Seminar Coordinator/Moderator - "Attorneys, Appraisers & Real Estate": 1996, 97, and 98
 Seminar Co-Coordinator/Moderator - Int'l Right-of-Way Assoc. "Valuation Tour": 6/96

Other Affiliations

Board of Directors - Willow Grove Educational Foundation 2008 -2013
 Board of Directors - USE Credit Union, San Diego, 1999-2006
 Investor LLC Manager - \$5,000,000 Loft Development, 2000

Types of Appraisals

Agricultural	Industrial & Office Buildings
Apartment Buildings	Leasehold and Leased Fee Estates
Auto Dealerships	Mining - Aggregate
Auto Repair	Mitigation Credits
Commercial Buildings	Mixed-Use Properties
Contaminated Properties	Notes/Loans
Development Rights	Mobilehome/RV Parks
Easements	Planned Communities
Eminent Domain/Partial Acquisitions	Research & Development Buildings
Fractional Interests	Residential Subdivisions
Historical Appraisals	Retail Centers
	Self-Storage Facilities

Single Family Homes and Condominiums
 Single Room Occupancy Hotels
 Vacant Land
 Wetlands/Other Sensitive Habitat

Partial List of Clients

Public Agencies

California Dept. of Transportation
 California Coastal Conservancy
 Centre City Development Corporation
 Chula Vista Redevelopment Agency
 City of Escondido
 City of National City
 City of Oceanside
 City of Redlands
 City of San Diego
 County of San Diego
 Del Mar Union School District
 IRS
 Metropolitan Transit System (MTS and MTDB)
 MiraCosta Community College District
 Oceanside Redevelopment Agency
 Otay Water District
 Regents of the University of California
 Resolution Trust Corporation (RTC)
 San Diego City College District
 San Diego County Water Authority
 San Diego Unified Port District
 Solana Beach School District
 Southeastern Economic Development Corp.
 U.S. Department of Justice
 Wildlife Conservation Board (California)

Lenders and Developers

Ayres Land Company
 Bank of America
 Bank of California
 Barratt American
 Brookfield Homes
 Buie Corporation
 California Transportation Ventures
 Citicorp Acceptance Company
 Coast Federal Bank
 Column Financial
 Continental Bank
 Downey Savings
 D.R. Horton

First Interstate Bank
 Garden Communities
 Great American Bank
 Home Savings of America
 HomeFed Bank and Home Capital Dev. Corp.
 KB Home
 Leisure Technology
 Nexus Development Corporation
 Pardee Construction Company
 McMillin Communities
 San Diego National Bank
 Sherritt Development Services
 Union Bank
 US Bank
 Wells Fargo Bank
 Western National Properties
 Western Pacific Housing

Corporations, Attorneys, and Individuals

American Assets
 Anderson, Mann & Hilbert, LLP
 ARCO Petroleum Products Co.
 Bartz & McCarberg, LLP
 Berger & Norton
 Best, Best & Krieger LLP
 Bob Baker Enterprises
 Brobeck, Phleger & Harrison
 Coldwell Banker Realty Advisory Services
 Daley & Heft
 Endeman, Lincoln, Turek & Heater
 English & Gloven
 Epsten & Grinnell
 Ford Motor Company
 Fraser Engineering, Inc.
 Golden Eagle Insurance Company
 Golub & Morales
 Gray, Cary, Ware & Friedenrich
 Haight, Brown & Bonesteel
 Hearthstone Advisors
 Insurance Company of the West
 Irell & Manella, LLP
 John H. Reaves, Attorney at Law
 Judge Robert C. Thaxton (retired)
 Lempres & Wulfsberg
 Liberty Mutual Insurance Company
 McKenna & Cuneo
 Meisenheimer Herron & Steele
 Morris, Polich & Purdy

Olmstead, Hughes & Garrett
Orrick, Herrington & Sutcliffe, LLP
Palmieri Tyler Weiner Wilhelm & Waldron
Procopio Cory Hargreaves & Savitch
Rick Engineering Company
Ryals & Associates
San Diego Gas & Electric Company
Seltzer Caplan McMahon Vitek
Sheppard, Mullin, Richter & Hampton, LLP
Sierra Club Legal Defense Fund
Sillardorf, Burdman, Duignan & Eisenberg
Solomon Ward Seidenwurm & Smith, LLP
Sullivan Wertz McDade & Wallace
Texaco Oil
Thorsnes, Bartolotta, McGuire & Padilla
Trust Company of the West
Trust for Public Land
UETA



ANDY KARYDES, PLS

Mr. Karydes has more than 30 years' professional experience in land surveying and has held a land surveyors license in California since 1997. Mr. Karydes' experience includes records research, the preparation of legal descriptions, easement plats, boundary surveys, ALTA surveys, subdivision maps, parcel maps, records of surveys, terrestrial topographic and aerial photogrammetric surveys, construction surveys, horizontal and vertical control surveys, as-built surveys, map check services for the City of San Diego, and expert witness testimony.

Professional Affiliations:

- Member of North County Civil Engineers and Land Surveyors (NCCELS)
- Associated General Contractors of America (AGC), San Diego Chapter
- California Land Surveyors Association (CLSA) State and San Diego Chapter: Member, State Board Representative Since 2008, Past President 2007
- Building Industry of Association (BIA) of San Diego County, Past Member
- National Society of Professional Surveyors (NSPS), Past Member

Areas of Expertise:

- ALTA Surveys
- Topographical Surveys
- Construction Staking
- Records of Survey
- Boundary Surveys
- Legal Descriptions
- Parcel Maps
- As-built Surveys
- Right-of-Way Documents
- Easement Plats

Education:

Surveying | Cleveland State University, OH | Kent State University, OH

Registration/Certifications:

1997 | Professional Land Surveyor | CA | 7442



Karlene E. Martorana

Counsel | Phoenix

Tel. 602.382.6099

kmartorana@swlaw.com

Main Bio

Karlene Martorana practices in the areas of water, natural resources and real estate. She helps municipal, industrial and agricultural water users – both inside and outside active management areas – manage and secure their water rights, as well as develop alternative water supplies. Karlene also represents clients in the negotiation of contracts for the transfer and storage of water rights, in obtaining permits and approvals from state and federal regulatory agencies, and in the settlement of water rights with Arizona Indian tribes. She also represents clients in general stream adjudications in Arizona. In addition, Karlene assists developers in obtaining withdrawal permits, reporting annual groundwater withdrawals and obtaining certificates of assured water supply. Karlene also negotiates and drafts delivery, storage and wheeling agreements on behalf of clients. She earned her J.D. from the University of Maryland and her B.S. from the University of Arizona Honors College. Karlene regularly speaks and publishes on water rights issues, and she is the author of the Twitter feed <https://twitter.com/alternativeh2o>, which focuses on water scarcity issues, including the use of reclaimed water.

In Karlene's real estate practice, she represents national commercial buyers and developers. Her work includes drafting, reviewing and negotiating leases and agreements, and performing related due diligence. Karlene is licensed to practice in Arizona and California.

Education

- University of Maryland School of Law (J.D., Environmental Certificate, 2006)
- University of Arizona Honors College (B.S., Environmental Science, summa cum laude, 2002)
 - Phi Beta Kappa
 - Robert H. Smith College of Agriculture Scholarship Award
 - Presidential Award for Academic Excellence
 - College of Agriculture Student of the Year

Professional Memberships & Activities

- Maricopa County Bar Natural Resources Board (2009-2014)
 - Chair (2012)
 - Chair-Elect (2011)
 - Treasurer (2010)
- Colorado River Water Users Commission
- State Bar of Arizona, Environmental and Natural Resources Section (2011)
 - Treasurer (2015)

- Secretary (2014)
- Programs Chair (2013)
- Arizona Commercial Real Estate Women
- Ellevate – a global professional women's network
 - Executive Team (2012-2015)
- WaterReuse Association, Legislative Committee (2014)
- Agribusiness and Water Council

Representative Presentations & Publications

- "Municipal Water Issues," Presenter, Law Seminars International (May 2015)
- "Water Rights for Golf Courses in the Desert," Presenter, Maricopa County Bar Association (November 6, 2014)
- "The Price of Reclaimed Water – Too Much to Stomach?," Author, ABA Section of Environment, Energy and Resources, Vol. 26, No. 4 (Spring 2012)
- "Notice of Proposed Rulemaking on Surface Water Quality Standards: An Update," Author, State Bar of Arizona Environmental Section Newsletter (August 2008)
- "Interviews Under the All Appropriate Inquiry Rules Leave Much to Environmental Professionals' Discretion," Author, State Bar of Arizona Environmental Section Newsletter (December 2007)
- "The Army Corps of Engineers and the EPA's Joint Guidance Following the Rapanos Decision," Author, State Bar of Arizona Environmental Section Newsletter (September 2007)
- "RCRA Financial Assurance Requirement: A Preliminary Review of EPA's Efforts to Address a New Priority," State Bar of Arizona Environmental Section Newsletter (February 2007)

Professional Recognition & Awards

- Southwest Super Lawyers® Rising Stars Edition, Energy & Natural Resources (2013-2015)
- Ladder Down, Class of 2015 Graduate

Community Involvement

- Shepherd of the Desert, Human Resources Committee (2008-2012), Board of Directors (2010-2012)
- Park Central Toastmasters (2010-2014)

Other Professional Experience

- Robert S. Lynch & Associates, Associate (2009-2011)
- Ryley Carlock & Applewhite, Associate (2006-2008), Law Clerk (2005)
- U.S. District Court, District of Arizona, Extern for Hon. Stephen McNamee (2004)

Bar Admissions

- Arizona
- California

Court Admissions

- Supreme Court of Arizona
- Supreme Court of California

- United States District Court, District of Arizona



Richard J. McNeil

Partner | Orange County | Los Angeles

Tel. 714.427.7517 OC

Tel. 213.929.2500 LA

rmcneil@swlaw.com

Main Bio

Rick McNeil is a trial attorney with numerous jury, bench and administrative trials to his credit and is also proficient in general business, real estate, land use, environmental and probate matters.

Rick is a member of the American Law Institute, where he contributes to the current revision of the Restatement of the Law, 4th, Property. He is also a member of the Litigation Section and the Environment, Energy and Resources Section of the American Bar Association, the Litigation Section and the Environmental Law Section of the California State Bar and the Real Estate, Business Litigation and Environmental Law Sections of the Orange County Bar Association.

Rick was selected for inclusion in the Los Angeles rankings of Super Lawyers from 2004 through 2009 and was named one of Los Angeles Daily Journal's "Top 20 Under 40" in 1997.

He is the Chair Emeritus of the Pacific Chorale, a member of the Board of Directors of the Orange County Bar Association, the Chair of the Orange County Bar Association's Diversity Task Force and on the Board of Directors for Legal Aid of Orange County. .

Rick also has handled a number of civil rights and environmental justice cases involving land use, environmental and constitutional issues.

Rick is also an experienced mediator, having mediated many commercial, land use and environmental cases.

Education

- University of California, Berkeley, Boalt Hall School of Law (J.D., 1984)
 - California Law Review
- Yale University (B.A., 1981)

Professional Memberships & Activities

- American Bar Association
- State Bar of California
 - Environmental Law Section (Former Member, Executive Committee)
- Orange County Bar Association
 - Environmental Law Section, Member (1998-present), Chair (2016-present)
 - Diversity Task Force, Chair (2015-present)
 - Elimination of Bias Subcommittee, Chair (2016-present)

- American Law Institute

Representative Presentations & Publications

- "Habits of the Mind - Implicit Bias in the Workplace," Moderator, Orange County Bar Association Diversity Task Force CLE, Newport Beach, CA (December 1, 2016)
- ["To Succeed at Business Development and Client Relationships, Female and Minority Attorneys Face Challenges and Opportunities,"](#) Co-Author, American Bar Association, Commercial & Business Litigation - Section of Litigation, Volume 18., Issue 1. (Fall 2016)
- "Update on Sober Living Homes in Orange County," Speaker, Get Connected with Councilwoman Katrina Foley, Costa Mesa City Council Chambers, CA (September 27, 2016)
- "NOT IN MY BACKYARD: Land Use Implications of Siting Sober Living Homes and Treatment Centers in Residential Zones in Orange County," Speaker, Orange County Bar Association Real Estate Section, Santa Ana, CA (August 23, 2016)
- "Developments in Water Rights in Orange County," Moderator, Orange County Bar Association Environmental Law Section, Newport Beach, CA (June 30, 2016)
- "San Clemente Case Study," Panelist, Sober Living Homes in Orange County, Regional Town Hall Meeting, Laguna Hills, CA (May 12, 2016)
- ["Rumble in the Riviera,"](#) Co-Author, OC Lawyer Magazine (April 2016)
- "Business Development: Special Challenges and Opportunities for Minority Attorneys," Speaker, American Bar Association, Section of Litigation Roundtable (March 30, 2016)
- "Exploring Diversity: The Collective Benefits of a Diverse Workforce in Today's Legal Environment," Speaker, Orange County Bar Association Solo Practitioner/Small Firm Section January meeting, Newport Beach, CA (January 21, 2016)
- "Moving Forward Through Diversity: Perspectives on the Collective Benefits of a Diverse Workforce in Today's Legal Environment," Moderator, OCBA Diversity Task Force Seminar, Costa Mesa, CA (November 17, 2015)
- ["Minority Powerbrokers Q&A: Snell & Wilmer's Rick McNeil,"](#) Featured, Law360 (March 3, 2015)
- "How to foster and maintain civil relationships with opposing counsel despite animosity amongst your clients," Co-Speaker, Putting the Civil Back in Civil Litigation, Orange County Bar Association, Newport Beach, CA (October 9, 2014)
- ["Fifth District Invalidates Fresno Senior Housing Project EIR For Inadequate Analysis Of Thresholds of Significance,"](#) Co-Author, S&W Environmental & Natural Resources Law Blog (August 11, 2014)
- ["First District Court of Appeal Finds Citizen Group's CEQA Challenge To College of San Mateo Upgrades Time Barred,"](#) Co-Author, S&W Environmental & Natural Resources Law Blog (August 11, 2014)
- ["EPA Issues Proposed Rule to Significantly Reduce Carbon Dioxide Emissions,"](#) Co-Author, Snell & Wilmer Legal Alert (July 10, 2014)
- ["'CEQA-in-Reverse' Case Headed for the California Supreme Court,"](#) Co-Author, Orange County Business Journal (May 12, 2014)
- ["Second District Court of Appeal Rejects Conservation Group Challenge to EIR for Newhall Ranch Development,"](#) Co-Author, S&W Environmental & Natural Resources Law Blog (March 20, 2014)
- ["Second District Court of Appeal Rejects City of Los Angeles' Attempt to Require Tentative Tract Map or EIR for Benedict Canyon Luxury Home Development,"](#) Co-Author, S&W Environmental & Natural Resources Law Blog (February 28, 2014)
- ["New EPA Standard Provides Guidance for Phase I Investigations,"](#) Author, Snell & Wilmer Legal Alert (February 21, 2014)

- "[First District Court of Appeal Finds CalTrans' EIR Deficient For Failure To Properly Evaluate Impacts to Redwood Trees Adjacent to Highway 101](#)," Co-Author, S&W Environmental & Natural Resources Law Blog (January 30, 2014)
- "[Fifth District Court of Appeal Dismisses Citizen Group Challenge to Annexation Based on Procedural Irregularities](#)," Co-Author, S&W Environmental & Natural Resources Law Blog (January 28, 2014)
- "2014 Legal and Legislative Update for Commercial Real Estate," Co-Presenter, Society of Industrial and Office Realtors, Newport Beach, CA (January 27, 2014)
- "[Fourth District Court of Appeal Rejects Citizen Group Spot Zoning Challenge to Orange County Senior Housing Project](#)," Co-Author, S&W Environmental & Natural Resources Law Blog (January 13, 2014)
- "[Takings' Decision Raises State Law Questions](#)," Author, Daily Journal (July 8, 2013)
- "[California Scores Another Cap-and-Trade Victory](#)," Co-Author, Snell & Wilmer Legal Alert (February 15, 2013)
- "[LEED Legal Alerts](#)," Co-Author, Orange County Business Journal (November 19, 2012)
- "[Countdown to California's 'Cap and Trade' Carbon Credit Auction](#)," Author, Snell & Wilmer Legal Alert (October 26, 2012)
- "Desalination: The Carlsbad Project and Huntington Beach," Speaker, California Water Law Conference, San Diego, CA (May 3-4, 2012)
- "Regulatory Justice: In Key Decision, U.S. Supreme Court Makes It Easier To Challenge EPA Orders," Author, JMBM Land Use Blog (March 26, 2012)
- "The Rising Tide of Stormwater," Speaker, CalcIMA Education Conference, Monterey, CA (October 11, 2011)
- "Developments In Stormwater," Speaker, JMBM Breakfast Briefing, Irvine, CA (September 26, 2011)
- "Will Health Care Facilities Prove To Be The Antidote For Orange County's Ailing Real Estate Market?," Author, Orange County Business Journal (September 26, 2011)
- "How Review Standards Changed Cap-And-Trade In California," Author, Law360 (April 19, 2011)
- "Climate Change/AQMD Update," JMBM Breakfast Briefing, Irvine, CA (March 24, 2011)
- "Liability for Pharmaceuticals in Ground Water," Speaker, National Ground Water Association, Memphis, TN (April 1, 2008)
- "Recent Developments In CERCLA Litigation," Speaker, 2006 State Bar Environmental Law Roundtable, Monterey, CA (June 9-11, 2006)
- "Environmental Insurance and Other Third Party Risk Transfer Mechanisms," Speaker, 2001 State Bar Environmental Law Conference, Yosemite, CA (October 25-27, 2001)
- "Managing Environmental Issues I Real Estate Lending & Securitization Transactions," Speaker, sponsored by AIG Insurance and Miller & Associates, Scottsdale, AZ (October 1-3, 2000)
- "Swimming Toward a Safe Harbor, EPA's Lender Liability Rule," Speaker, State Bar of California Environmental Subsection of the Real Property Section, San Diego, CA (November 13, 1993)
- "Environmental Regulations and Financing Transactions: Their Impact on Lenders, Borrowers and Regulators: EPA's Lender Liability Rule," Speaker, State Bar of California Environmental Subsection of the Real Property Section, Irvine, CA (June 4, 1993)
- "Environmental Concerns in Real Estate Transactions: The Developer's Perspective," Speaker, CEB Presentation, Los Angeles, CA (October 31, 1992)
- "Requirements for Publicly Owned Treatment Works," Speaker, Executive Enterprises Water Quality Regulation Course, San Francisco, CA (May 15, 1990)
- "Current Developments in Environmental Law," Speaker, Orange County Chamber of Commerce,

Santa Ana, CA (May 11, 1989)

- "Asbestos Abatement," Speaker, Hazardous Materials and Water Pollution Subcommittee of the Environmental Law Section of the Los Angeles County Bar Association, Los Angeles, CA (April 14, 1988)
- "Proposition 65, Asbestos and the Real Estate Industry," Author, 6 Cal. Real Property Journal 29 (Spring 1988)
- "Environmental Issues for Lenders," Speaker, Pension and Real Estate Advisors Winter Meeting, Los Angeles, CA (February 11, 1988)

Professional Recognition & Awards

- Southern California Super Lawyers, Environmental (2004-2009)
- Top 20 Under 40, Los Angeles Daily Journal (1997)

Community Involvement

- Pacific Chorale, Board of Directors (1997-present)
 - Chairman of the Board (2014-present)
- Legal Aid Society of Orange County, Board of Directors (2016-present)

Other Professional Experience

- Irell & Manella LLP, Partner (1991-2010)
- Latham & Watkins, Associate (1985-1990)
- U.S. District Court for the District of Columbia, Washington, DC, Law Clerk for Hon. Aubrey E. Robinson, Chief Judge (1984-1985)

Bar Admissions

- California

Court Admissions

- Supreme Court of California
- United States District Court, All Districts of California
- United States Court of Appeals, Ninth Circuit

DUDEK

800.450.1818 | DUDEK.COM | INFO@DUDEK.COM

SOUTHERN CALIFORNIA

Encinitas (Main)

La Quinta

Pasadena

Riverside

San Juan Capistrano

CENTRAL COAST

Santa Barbara

Santa Cruz

NORTHERN CALIFORNIA

Auburn

Larkspur

Oakland

Sacramento

HAWAII

Honolulu

OREGON

Portland

HABITAT RESTORATION SCIENCES

A Dudek Subsidiary

Fee Schedule

Project Team Role:	Labor Hours and Rates												Total Dudek Hours	Dudek Labor Costs	Subconsultant Fees					Other Direct Costs	Total Fee
	PIC - QA/QC	Project Manager	Senior Engineer	Hydrogeologist	Senior Envi Anlist	Senior Hydrogeologist	Senior Hydrologist III/Engineer III	Cultural Specialist	Biologist/Principal	QA/QC	Hydro Engineer	Hydro Engineer			Survey/ Right-of-Way	Water Rights Attorney	Water Quality Laboratory	Appraiser	Title Service		
Team Member:	Quinian	Stuart	Guillen	Driscoll	Magnus	Duverge	McMahon	Murray	Ortega	Schnabel	Rentz		San Diego Engineering	Snell & Wilmer	Babcock	Sub name	Title Company				
Billable Rate :	\$260	\$225	\$180	\$240	\$160	\$180	\$210	\$135	\$240	\$225	\$160	\$110	Fee	Fee	Fee	Fee	Fee				
Task 100 – Project Management																					
100.1	Overall project management and coordination with RMWD	4	60										64	\$14,540					\$14,540		
<i>Subtotal Task 100</i>		4	60										64	\$14,540	\$-	\$-	\$-	\$-	\$-	\$14,540	
Task 200 – Data Collection																					
200.1	Review and compile historical District data		2									20	22	\$2,650					\$2,650		
200.2	Review and compile other agency data		2									16	18	\$2,210					\$2,210		
200.3	Review and compile private well data		2									20	22	\$2,650					\$2,650		
<i>Subtotal Task 200</i>			6									56	62	\$7,510	\$-	\$-	\$-	\$-	\$-	\$7,510	
Task 300 – Update and Validate Groundwater Model and Verify Production Well Yields																					
300.1	Update Numerical Model	4	24									80	108	\$15,240					\$15,240		
300.2	Calibrate/Validate Numerical Model	10	60									140	210	\$31,500					\$31,500		
300.3	Verify Production Yields of Project Wells and Assess Potential Impacts	10	24									60	94	\$14,600					\$14,600		
<i>Subtotal Task 300</i>		24	108									280	412	\$61,340	\$-	\$-	\$-	\$-	\$-	\$61,340	
Task 400 – Water Rights Opinion and Confirmation																					
400.1	Review previous studies and reports		2		4								6	\$1,410			\$8,000		\$9,410		
400.2	Analyze water rights including existing permits and points of diversion		2		4								6	\$1,410			\$8,000		\$9,410		

Page 123 of 220

Project Team Role:	Labor Hours and Rates												Total Dudek Hours	Dudek Labor Costs	Subconsultant Fees					Other Direct Costs	Total Fee
	PIC - QA/QC	Project Manager	Senior Engineer	Hydrogeologist	Senior Envi Anlist	Senior Hydrogeologist	Senior Hydrologist III/Engineer III	Cultural Specialist	Biologist/Principal	QA/QC	Hydro/Engineer	Hydro/Engineer			Survey/Right-of-Way	Water Rights Attorney	Water Quality Laboratory	Appraiser	Title Service		
	Quinlan	Stuart	Guillen	Driscoll	Magnus	Duverge	McMahon	Murray	Ortega	Schnabel	Rentz				San Diego/ito Engineering	Snell & Wilmer	Babcock	Sub name	Title Company		
Team Member:	Quinlan	Stuart	Guillen	Driscoll	Magnus	Duverge	McMahon	Murray	Ortega	Schnabel	Rentz		San Diego/ito Engineering	Snell & Wilmer	Babcock	Sub name	Title Company	Other Direct Costs	Total Fee		
Billable Rate :	\$260	\$225	\$180	\$240	\$160	\$180	\$210	\$135	\$240	\$225	\$160	\$110	Fee	Fee	Fee	Fee	Fee				
400.3	Provide independent opinion to produce maximum yield			4										\$960		\$6,000				\$6,960	
400.4	Provide road map to confirm water rights		2	4									6	\$1,410		\$6,000				\$7,410	
Subtotal Task 400			6	16									22	\$5,190	\$-	\$28,000	\$-	\$-	\$-	\$33,190	
Task 500 – Collect and Summarize Groundwater Quality Data																					
500.1	Review and compile historical District data		1	5								20	26	\$3,625						\$3,625	
500.2	Review and compile other agency data		1	5								16	22	\$3,185						\$3,185	
500.3	Review and compile private well data, includes site reconnaissance		2	8								50	60	\$7,870					\$193	\$8,063	
500.4	Private well owner questionnaire and coordination with property owners		1	2								30	33	\$4,005						\$4,005	
500.5	Sample accessible existing water wells (up to 10 wells)		1	10								60	71	\$9,225					\$593	\$9,818	
500.6	Laboratory analysis (one sample for up to 10 wells)													\$-		\$15,853				\$15,853	
Subtotal Task 500			6	30								176	212	\$27,910	\$-	\$-	\$15,853	\$-	\$-	\$785	\$44,548
Task 600 – Develop Draft Brine Disposal Agreement with Oceanside																					
600.1	Technical support to develop brine disposal agreement			40									40	\$7,200						\$7,200	

Project Team Role:		Labor Hours and Rates											Total Dudek Hours Dudek Labor Costs		Subconsultant Fees					Other Direct Costs	Total Fee	
		PIC - QA/QC	Project Manager	Senior Engineer	Hydrogeologist	Senior Envi Anlist	Senior Hydrogeologist	Senior Hydrologist III/Engineer III	Cultural Specialist	Biologist/Principal	QA/QC	Hydro/Engineer			Hydro/Engineer	Survey/Right-of-Way	Water Rights Attorney	Water Quality Laboratory	Appraiser			Title Service
Team Member:		Quinian	Stuart	Guillen	Driscoll	Magnus	Duverge	McMahon	Murray	Ortega	Schnabel	Reniz			San Dieguito Engineering	Snell & Wilmer	Babcock	Sub name	Title Company			
Billable Rate :		\$260	\$225	\$180	\$240	\$160	\$180	\$210	\$135	\$240	\$225	\$160	\$110		Fee	Fee	Fee	Fee	Fee			
600.2	Research other disposal agreements			24										24	\$4,320							\$4,320
600.3	Review Oceanside Ocean Outfall operation permit		2	8										10	\$1,890							\$1,890
Subtotal Task 600			2	72										74	\$13,410	\$-	\$-	\$-	\$-	\$-	\$-	\$13,410
Task 700 – Evaluate Production Well Sites, Geology, and Production																						
700.1	Review and identify existing wells suitable for pump testing		2		6							8	10	26	\$4,270							\$4,270
700.2	Review and identify proposed sites suitable for exploratory boring		8		8							8	4	28	\$5,440							\$5,440
700.3	Contact property owners to determine access to pump test/drill wells		2										16	18	\$2,210							\$2,210
700.4	Scope of work letter, cost allocation and access agreement		2		6							8	14	30	\$4,710							\$4,710
700.5	Well drilling contracting, permitting and drilling		16		2							60	100	178	\$24,680							\$24,680
Subtotal Task 700			30		22							84	144	280	\$41,310	\$-	\$-	\$-	\$-	\$-	\$-	\$41,310
Task 800 – Property Acquisition and Costs																						
800.1	Develop acquisition plots, easements and right-of-way layouts			6								40	40	86	\$11,880							\$11,880
800.2	Geodetic Control		1	2								8		11	\$1,865	\$8,000						\$9,865
800.3	Right-of-Way Survey		1	6								8		15	\$2,585	\$49,000						\$51,585

Page 125 of 220

Project Team Role:		Labor Hours and Rates											Total Dudek Hours Dudek Labor Costs		Subconsultant Fees					Other Direct Costs	Total Fee	
		PIC - QA/QC	Project Manager	Senior Engineer	Hydrogeologist	Senior Env/Anlist	Senior Hydrogeologist	Senior Hydrologist IV/Engineer III	Cultural Specialist	Biologist/Principal	QA/QC	Hydro/Engineer			Hydro/Engineer	Survey/Right-of-Way	Water Rights Attorney	Water Quality Laboratory	Appraiser			Title Service
Team Member:		Quinlan	Stuart	Gullen	Driscoll	Magnus	Duverge	McMahon	Murray	Ortega	Schnabel	Rentz			San Diego Engineering	Snell & Wilmer	Babcock	Sub name	Title Company			
Billable Rate :		\$260	\$225	\$180	\$240	\$160	\$180	\$210	\$135	\$240	\$225	\$160	\$110		Fee	Fee	Fee	Fee	Fee			
800.4	Title Report (First American or Chicago title; 40 parcels)		1	2								1		4	\$745				\$32,000		\$32,745	
800.5	Appraisal of an assumed 40 parcels with 14 unique owners		2	4								1		7	\$1,330			\$84,000			\$85,330	
Subtotal Task 800			5	20								58	40	123	\$18,405	\$57,000	\$-	\$-	\$84,000	\$32,000	\$-	\$191,405
Task 900 – Desalter Project Alternatives and Costs																						
900.1	Review 2017 TM and supporting documents		2	16										18	\$3,330						\$3,330	
900.2	Update desalter treatment system design criteria		2	40										42	\$7,650						\$7,650	
900.3	Update desalter treatment system cost estimates		2	32										34	\$6,210						\$6,210	
Subtotal Task 900			6	88										94	\$17,190	\$-	\$-	\$-	\$-	\$-	\$-	\$17,190
Task 1000 – Evaluation and Environmental Issues																						
1000.1	Groundwater Resources Constraints Analysis		10			40	100				12			162	\$29,350						\$29,350	
1000.2	Biological Constraints Analysis		6			20			60	6				92	\$20,300						\$20,300	
1000.3	Preliminary Cultural and Hitoric Resources Technical Memo		6			20			58	4				88	\$13,280						\$13,280	
1000.4	Hazardous Materials/Wastes Constraints Analysis		6			20		30		4				60	\$11,750						\$11,750	
Subtotal Task 1000			28			100	100	30	58	60	26			402	\$74,680	\$-	\$-	\$-	\$-	\$-	\$-	\$74,680

Project Team Role:	Labor Hours and Rates												Total Dudek Hours	Dudek Labor Costs	Subconsultant Fees					Other Direct Costs	Total Fee
	PIC - QA/QC	Project Manager	Senior Engineer	Hydrogeologist	Senior Envi Anlst	Senior Hydrogeologist	Senior Hydrologist II/Engineer III	Cultural Specialist	Biologist/Principal	QA/QC	Hydro/ Engineer	Hydro/ Engineer			Survey/ Right-of-Way	Water Rights Attorney	Water Quality Laboratory	Appraiser	Title Service		
Team Member:	Quinian	Stuart	Guillen	Driscoll	Magnus	Duverge	McMahon	Murray	Ortega	Schnabel	Rentz		San Dieguito Engineering	Snell & Wilmer	Babcock	Sub name	Title Company				
Billable Rate :	\$260	\$225	\$180	\$240	\$160	\$180	\$210	\$135	\$240	\$225	\$160	\$110	Fee	Fee	Fee	Fee	Fee				
Task 1100 – Draft and Final Summary Reports																					
1100.1	Draft Report	10	80	24	4	32				12		40	202	\$38,100					\$38,100		
1100.2	Staff, Engineering Committee and Board Meetings		20	20		20							60	\$11,300					\$11,300		
1100.3	Response to District Comments on Report	10	20		2					12		24	68	\$12,920					\$12,920		
1100.4	Final Report	8	16		2					4		40	70	\$11,460					\$11,460		
Subtotal Task 1100		28	136	44	8	52				28		104	400	\$73,780	\$-	\$-	\$-	\$-	\$-	\$73,780	
Total Hours and Fee		56	393	224	76	152	100	30	58	60	54	142	800	\$355,265	\$ 57,000	\$28,000	\$15,853	\$84,000	\$32,000	\$785	\$572,903

Page 127 of 220

INTENTIONALLY LEFT BLANK



BOARD ACTION

BOARD OF DIRECTORS

September 26, 2017

SUBJECT

DISCUSSION AND POSSIBLE ACTION TO APPROVE A CHANGE ORDER FOR THE KNOTTWOOD WAY WATERLINE IMPROVEMENTS PROJECT IN THE AMOUNT OF \$26,982.10.

BACKGROUND

The Knottwood Way Waterline Improvements Project is an installation of 980 ft. of waterline and a District provided pressure reducing station on Knottwood Way. On May 23, 2017, the board awarded M-Rae Engineering Inc. a construction contract and construction is currently in progress. In the course of construction several unforeseen circumstances have brought about changes to the project scope. These changes are necessary for the completion of the project. In total, these changes amount to \$26,982.10. This change order requires Board approval because the total cost is above the General Manager's signing authority of \$25,000 or 10% of the total project cost.

DESCRIPTION

The change order for the Knottwood Way Waterline Improvements Project accounts for the following changes to the project scope.

1. Waterline extension on the west side of the project. This change is necessary due to a waterline break on the existing pipe west of the initial project area. The waterline was hit by a contractor, not employed by the District. Costs will be reimbursed by the Contractor at fault.
2. Waterline extension on the east side of the project. This change is necessary because the location of the existing pipe on the east side of the project was different than that which was depicted in the plans.
3. Changes to the design of connections to the pressure reducing station to rise above an existing dry utility conduit.
4. Relocation of 2 1-inch service laterals. This change is necessary due to a waterline break on the existing pipe west of the initial project area. The waterline was hit by a contractor, not employed by the District. The laterals were connected to the length of the waterline damaged by the incident.
5. 3-inch drain line for the pressure reducing station. The plans did not depict the outlet for the pressure relief valve or the floor drains on the pressure reducing station.
6. Additional work required to connect to the existing pipe on the east side of the project. The existing flange connection was different than depicted in the plans.

Two of the listed items, 1 and 4, are repairs to existing facilities damaged by a contractor that was not employed by the District and will be reimbursed by the contractor at fault. These repairs account for \$9,906.20 in change orders.

POLICY/STRATEGIC PLAN KEY FOCUS AREA

Strategic Focus Area Two: Asset Management. The Knottwood Way Waterline Improvements Project will enable operators to more efficiently operate the District's distribution system by creating an alternate route for flow and providing pressure reduction for many customers and a large portion of the waterlines. Reduced pressures can result in less wear on facilities and extend their useful life. This change order is necessary to complete the project.

BOARD OPTIONS/FISCAL IMPACTS

The project is included in the District's CIP budget, with \$180,000 total in expenditures expected in fiscal year 2017-2018. The original contract amount for the construction of the improvements is \$146,700.00. This change order would add \$26,982.10 to the construction cost for the project which is above the General Manager's signing authority of \$25,000 for this project.

- 1) Approve the change orders amounting in \$26,982.10 to complete the project construction.
- 2) Provide other direction to staff.

STAFF RECOMMENDATION

Staff recommends Option 1.



Michael Powers
Interim Engineering Manager

September 26, 2017



BOARD ACTION

BOARD OF DIRECTORS

September 26, 2017

SUBJECT

CONSIDER A PROFESSIONAL SERVICES AGREEMENT WITH RT LAWRENCE CORPORATION, FOR LOCKBOX SERVICES OF UTILITY BILLS FOR AN INITIAL TERM OF ONE YEAR

BACKGROUND

The Customer Service Department is responsible for collecting and processing all utility bill payments. Approximately 7,800 utility bills are issued monthly and, of this amount, approximately 3,000 are paid by manual check and are processed by Customer Service staff. Check payments are manually-intensive to process, as time is required to open all payment envelopes and then manually enter each check into the financial software system. At the end of the day, all payments must be balanced and prepared for bank deposit. Due to the time-intensive nature of check processing, check payments divert staff time from other essential tasks. Additionally, the District is expecting growth over the next few years that potentially may add 1,000 new service connections to the system. Outsourcing this process will permit staff more availability to better handle the impending growth.

Staff has researched lockbox services as an alternative to manual check processing in order to improve operational efficiency and better utilize staff time and resources. A lockbox service is a third-party service that will receive and process payments on behalf of the District. From beginning to end, the third-party service will handle the payments it receives in the following manner:

1. Check payments will be mailed to a specified post office box, collected and opened daily.
2. Check payments will be processed through the third-party's high-capacity, automated equipment.
3. A data file will be generated and sent to the District each day for posting to the financial software system.
4. Funds received for all check payments will be deposited into the District's bank account before the close of each business day.
5. A physical image of each payment stub/coupon and check will be saved on a secured portal and will be available to the District to access for reference purposes.

The use of lockbox services is widely used in the payment industry to streamline check processing and to accelerate the deposit and availability of funds. Staff solicited quotes through contacting vendors in the industry and received a total of three proposals, 2 formal and 1 informal quote. After careful consideration of all proposals received, Staff identified RT Lawrence as the most responsible bidder that best meets the needs of the District. The Budget & Finance committee along with Staff selected RT Lawrence Corporation, it was determined to offer the overall best value to the District. RT Lawrence Corporation is known in the industry and has proven to be a very reliable vendor for lockbox services. Their set prices did come in at a lower cost and they provided a long list of references that included other water agencies.

POLICY /STRATEGIC PLAN KEY FOCUS AREA

Strategic Focus Area Five: Customer Service – RMWD provides reliable, quality water and water reclamation to our customers. The District also provides top quality customer service by meeting customer needs, being responsive, providing timely communication and being financially responsible.

BOARD OPTIONS/FISCAL IMPACTS

There will be an estimated cost of \$1,000/month depending on volume of mail payments received by vendor.

STAFF RECOMMENDATION

Staff recommends that the Board of Directors:

1. Authorize the General Manager to execute an agreement in a form approved by the District's Counsel with RT Lawrence, Inc. for lockbox services of the District's customers' payments.
2. Take such additional, related, action that may be desirable.
3. Do nothing and have Staff research other options.

ATTACHMENTS

RT Lawrence Service Agreement
RT Lawrence Proposal



Vanessa Martinez
Finance Manager

09/26/2017

**RT LAWRENCE CORPORATION
PAYMENT PROCESSING (LOCKBOX) SERVICES AGREEMENT**

This AGREEMENT, is made and entered into this _____ ("Effective Date"), by and between RT Lawrence Corporation, a corporation duly organized and existing under the laws of the State of California and having its principal place of business at 7740 Painter Avenue, Suite 100, Whittier, CA 90602 (hereinafter called "Contractor") and Rainbow Municipal Water District of 3707 Old Highway 395, Fallbrook, CA 92028 (hereinafter called "Client").

NOW THEREFORE, in consideration of the mutual promises of the parties and other valuable consideration, the parties agree as follows:

SECTION 1 – AGREEMENT DOCUMENTS

The Agreement documents for the payment processing professional services shall consist of: 1) Attachment A – RTLockbox Services Proposal dated September 6, 2017; together with this Agreement and all required certificates; and also including any and all addenda or supplemental agreements clarifying, amending, or extending the work contemplated as may be required to insure the services to be performed in an acceptable manner. All of the provisions of said documents are made a part hereof as though fully set forth herein. The provisions of the Agreement shall supersede any conflicting provisions in the Proposal and certificates.

SECTION 2 – TERM

The initial term of this Agreement shall be one (1) year from the Effective Date of this Agreement. Sixty (60) days prior to the end of the initial term and any renewal term, Contractor shall notify Client that Client has the option to renew this Agreement for a subsequent one-year renewal term. Client may exercise its right to renew at any time prior to the end of the current term.

SECTION 3 – CHANGES IN WORK SCOPE

The Scope of Work document consists of services listed in Attachment A of this Agreement Document. No additional fees shall be paid to Contractor by the Client for services or material not included in this Agreement without the written approval of the Client prior to undertaking any such work.

SECTION 4 – COMPENSATION AND BILLING

4.1 Contractor agrees to bill for services in reference to the prices and terms set forth in the Proposal, Attachment A - RTLockbox Services Proposal dated September 6, 2017.

The fees defined in Attachment A are fixed for the price commitment term specified within this agreement provided the Client does not initiate a change in the form of its customer payments, operating procedures, invoices, envelopes or in the regular schedule of such documents.

4.2 LOCKBOX SERVICES BILLING – Contractor will send Client an invoice detailing volumes, prices and charges. Contractor shall submit invoices to Client by the 1st of each month with Payment Term of Net 10 from the Date of Invoice. Payment made later than invoice due date will be subject to a late charge fee of 1 percent per month, prorated.

4.3 ELECTRONIC PAYMENT PROCESSING CHARGES BILLING – The Client may elect to have the collected payments deposited electronically into their bank account, eliminating the need for paper-based bank deposit. The charges associated with electronic check deposit processing will be billed by RTL together with the lockbox services billing on a monthly basis.

4.4 TAXES - sales, use or governmental taxes or levies of any kind or nature shall be the expense and responsibility of the Client, if applicable.

4.5 BILLING ADDRESS AND CONTACT - Contractor shall send all billings to the Client as follows:

Accounts Payable Department
Rainbow Municipal Water District
3707 Old Highway 395
Fallbrook, CA 92028

SECTION 5 – INSURANCE REQUIREMENTS

- 5.1 Contractor shall obtain and maintain during the term of this a policy or policies of liability insurance with limits not less than:
- \$1,000,000 for physical damage to or loss of the property of any one person
 - \$2,000,000 for all other claims which may be brought by any one person; and
 - \$1,000,000 aggregate of all claims per occurrence.
- 5.2 The insurance required in this section shall include the following coverages:
- Comprehensive General or Commercial General Liability, including personal injury, contractual liability, and products/201 completed operations coverage;
 - Automotive Liability;
 - Errors and Omissions, including contractual liability coverage.
- 5.3 Each policy of such insurance except Errors and Omissions coverage shall be on an “occurrence” and not a “claims made” form, and shall:
- Name as additional insured “Rainbow Municipal Water District, its officers, agents and employees”: with respect to claims arising out of Contractor’s work under the Agreement;
 - Provide that such policy may not be canceled without a minimum of ten days prior written notice to the Client; and
 - Be evidenced by a certificate or certificates of such insurance approved by the Client’s Attorney.
- 5.4 Errors and Omissions coverage shall be evidenced by a certificate of insurance in form acceptable to the Client’s Attorney.
- 5.5 Pursuant to State and Federal regulations, if Contractor employs any person, whether or not such employee will be performing any work on or related to this Agreement, and whether or not such person resides in or will perform any work in the State of California, Contractor is a “subject employer” and must comply with all State and Federal employment regulations, requiring maintenance of Workers’ Compensation coverage as a self-insured or carrier-insured employer.

SECTION 6 – ERRORS AND OMISSIONS

In the event of any substantial error or omission on the part of Contractor, its agents or employees, Contractor will, if requested in writing, correct said error or omission with the cooperation of Client. If such correction requires the reprocessing of work, such reprocessing will be done by Contractor or its designee at no additional charge to Client. The Contractor shall maintain adequate insurance protecting against damages due to data loss from error and omissions on an ongoing basis. Contractor shall not be responsible for failure to perform hereunder if such failure is due to causes beyond its reasonable control or if attributable to Client or third parties. As to any third party claims, both the Client and Contractor shall be responsible for the negligent acts, errors and omissions of their respective officers, employees and agents and, in the event of any such third party claims, both the Client and the Contractor shall look exclusively to their respective insurance carriers for a legal defense and coverage for any claims for damages and not to each other. The Contractor is an independent contractor under this Agreement. Except as set out in this paragraph, the Contractor’s liability to Client and Client’s exclusive remedy for any loss, damage or injury regardless of the nature of Client’s damage or injury including, but not limited to, claims for breach of contract or negligence, shall not exceed and shall be limited to the amount of payments made hereunder by Client to the Contractor for providing the services herein stated. THE CONTRACTOR SHALL NOT BE LIABLE FOR ANY OTHER DAMAGES HEREUNDER, INCLUDING BUT NOT LIMITED TO, LOSS OF PROFITS, INCIDENTAL, EXEMPLARY, SPECIAL OR CONSEQUENTIAL DAMAGES AND ANY OTHER CLAIMS OR DEMANDS AGAINST CLIENT MADE BY ANY OTHER PARTY EVEN IF THE CONTRACTOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

SECTION 7 – CONFIDENTIALITY

All ideas, memoranda, specifications, plans, procedures, drawings, descriptions, computer program data, input record data, written information, and other Documents and Data either created by or provided to Contractor in connection with the performance of this Agreement shall be held confidential by Contractor. Such materials shall not, without the prior written consent of Client, be used by Contractor for any purposes other than the performance of the Services. Nor shall such materials be disclosed to any person or entity not connected with the performance of the Services or the Project. Nothing furnished to Contractor which is otherwise known to Contractor or is generally known, or has

become known, to the related industry shall be deemed confidential. Contractor shall not use Client's name or insignia, photographs of the Project, or any publicity pertaining to the Services or the Project in any magazine, trade paper, newspaper, television or radio production or other similar medium without the prior written consent of Client.

SECTION 8 – GENERAL PROVISIONS

- 8.1 **RESPONSIBILITY FOR THE DATA** – Contractor assumes no liability for loss of input payment data, checks or other information while in transit or transmission to or from the remittance processing site unless such loss occurs while in possession of Contractor. However, upon Client's request, Contractor will resubmit the payment data provided that the request is not significantly delayed (e.g., over 10 days).
- 8.2 **TIME OF CLAIMS** - Except for fees due hereunder, no claim, regardless of form, which in any way arises out of this Agreement may be made, or action based upon such claim brought, by any party more than six (6) months after the basis for such claim becomes known to the party desiring to assert it.
- 8.3 **ARBITRATION** – Any controversy or claim arising out of or relating to this Agreement, or the breach thereof, or the furnishing of any services by Contractor to Client, shall be settled by arbitration. The arbitration shall be conducted by a single arbitrator under the then-current rules of the American Arbitration Association, provided that the arbitrator shall be chosen only from a panel of persons knowledgeable in business information and data processing systems. A decision on award of the arbitrator shall be final and binding, and the award so rendered may be entered in any Court having jurisdiction thereof. The arbitration shall be held, and the award shall be deemed to be made, in the County of Los Angeles, California. This agreement for arbitration is predicated on the Federal Arbitration Act and is binding on the parties to this Agreement and to their successors and assigns, regardless of whether the applicable laws of the state controlling this Agreement provide for binding arbitration.
- 8.4 **EARLY TERMINATION** – Either party may terminate this agreement upon written notice if the other party breaches any material term or condition of the Agreement (including without limitations, failure to meet service standards) and such breach remains uncorrected for thirty (30) days following written notice to such breaching party specifying the breach. Client may also exercise early termination should RT Lawrence Corporation be acquired by another Company. Client will give Contractor thirty (30) days notice should this occur.
- 8.5 **CHOICE OF LAW** – The validity of this Agreement, the construction and enforcement of its terms, and the interpretation of the rights and duties of the parties shall be governed by the laws of the State of California.
- 8.6 **FORCE MAJEURE** - Neither party shall be responsible for delays or failures in performance resulting from acts beyond the reasonable control of such party. Such acts shall include but not be limited to acts of God, strikes or other labor disputes, riots, acts of war, governmental regulations superimposed after the fact, communication line failures, power failures, fires, earthquakes or other natural disasters.
- 8.7 **NOTICE** - Any notice or reports required or permitted to be given under this Agreement shall be given in writing and in the English language and shall be delivered by personal delivery, telegram, telex, telecopier, facsimile transmission or by certified or registered mail, postage prepaid, return receipt requested, and shall be deemed given upon personal delivery, five (5) days after deposit in the mail or upon acknowledgment of receipt of electronic transmission. Notices shall be sent to:

CONTRACTOR: John Phillips
COO
RT Lawrence Corporation
7740 Painter Avenue, Suite 100
Whittier, CA 90602
(312) 296-2796
john.phillips@rtlawrence.com

CLIENT:
Vanessa Martinez

Finance Manager
Rainbow Municipal Water District
3707 Old Highway 395
Fallbrook, CA 92028
(760) 728-1178 Ext. 102
vmartinez@rainbowmwd.com

- 8.8 INVALID PROVISIONS - If any provision of this Agreement is declared to be invalid under any applicable statute or rule or law, the parties agree that such invalidity shall not affect the remaining portions of this Agreement.
- 8.9 ARBITRATION AND ATTORNEYS' FEES - In the event that arbitration or suit is brought by either party arising out of or related to this Agreement, reasonable arbitration or attorneys' fees and expenses and expert witness fees, as fixed by the arbitration panel or a court of competent jurisdiction, as applicable, shall be awarded to the prevailing party.
- 8.10 WAIVER - The failure of either party to exercise any right or option that is granted therein or to require the performance of any term of this Agreement or the waiver by either party of any breach of this Agreement, shall not prevent a subsequent exercise or enforcement of such term or be deemed a waiver of any subsequent breach of the same or any other term of this Agreement.
- 8.11 ENTIRE AGREEMENT - This Agreement and all attachments and exhibits referenced in Section 1 of this Agreement hereto contain the entire understanding of the parties with respect to the subject matter contained herein and supersede all terms and conditions in any quotations, purchase orders, acknowledgments or other documents exchanged by the parties. There are no promises, covenants, agreements or undertakings other than those expressly set forth herein. This Agreement may not be modified except by a writing signed by authorized representatives of the Contractor and Client.

Authorized Agreement Modification Representatives are:

For: **Rainbow Municipal Water District**

For: **RT Lawrence Corporation**

Larry W. Tong or
John Phillips

In Witness whereof, the parties hereto have executed this Agreement as of the day, month and year first above written, by the undersigned officers thereunto duly authorized.

Rainbow Municipal Water District

RT Lawrence Corporation

By: _____

By: _____

Printed: _____

Printed: Larry W. Tong

Title: _____

Title: Director of Operations

Date: _____

Date: _____



RT Lawrence Corporation

Rainbow Municipal Water District

Outsource Lockbox Services Proposal

RTLFIRST

Lockbox Services

EBPP

Submission Date:
09.06.2017

Credit card

Check 21

Submitted By:

RT Lawrence Corporation

7740 Painter Avenue, Suite 100

Whittier, CA 90602

Ph: 562.696.4843

www.rtlawrence.com

ACH

technology

Remittance Processing

September 6, 2017

Ms. Vanessa Martinez

Finance Manager
3707 Old Highway 395
Fallbrook, CA 92028

Dear Ms. Martinez:

Thank you for allowing RT Lawrence Corporation (RTL) to submit a proposal for your Outsource Lockbox Services. We appreciate the opportunity to serve you and to present this information to serve your payment processing needs. RTL's Lockbox Solution is the most "Problem Solving Oriented" lockbox solution in the market. This information will outline how our proposed solution will exceed all of Rainbow Municipal Water District's expectations; bringing more process streamlining features and cost effectiveness.

Starting in 1992, RTL has grown to be one of the largest suppliers of payment processing solution provider to cities, counties, insurance companies, and others. We currently supply payment processing solution to over 150 middle-market corporate clients all over the United States.

The reason for our success is three-fold:

First, RTL takes pride in the quality of service we provide to our customers; our goal is "100% Customer-Loving-Us-Ness." We understand the utilities business; we have so many different companies depending on us. We strive to present the best possible customer service to our customers. We invite Rainbow Municipal Water District to contact our reference provided in this proposal.

Second, we listen and respond to our clients. Through our vibrant and active User Community and through visits to our clients by our Solution Design Specialists, RTLfiRST Payment Solution is constantly evolving and growing; incorporate Best Practices Designs continuously. In a way, our client's needs, requests, and ideas are integral part of our "Best Practice Based" Solution. We bring the experience and the solution features that work best to streamline your operation.

Third, from the very beginning, we designed RTLfiRST to be fully menu-driven configurable. This design enables us to provide Rainbow MWD specific Lockbox Workflow solution cost effectively. It is like providing customized solution without customized programming. This design philosophy also enables our customers to meet their changing needs without having to have programming changes. We have loyal clients with us for over 17 years evolving without customization; bringing them the lowest Cost of Ownership in the long run.

Please see page 14 for detailed pricing. Thank you for your consideration. Please call me at (312) 296-2796 if you have any questions.

Sincerely,

John Phillips

COO

Direct: (312) 296.2796

E-mail: John.Phillips@rtlawrence.com



ABOUT US

RT Lawrence Corporation has been in the technology business providing leading edge automated solutions since 1992. We specialize in image-based payment processing solutions and services, the software development and systems integration of, and most importantly, customer service.

RTL is comprised of two distinct business units:

- 1) Remittance Systems
- 2) Lockbox Services

Our main business goal has been to be a single source solution provider for all of our Client's payment processing needs, which include in-house remittance processing systems, backend imaging archival solutions, lockbox services, ACH/Check 21 check conversion services, credit card payment processing services, phone and internet payment solutions, and over-the-counter systems.

RTL develops and supports all of the products and services we offer. We are not dependant on any other software developers for the enrichment and support of our solutions, nor are we dependent on subcontractors or outside firms for the management and day-to-day activities of our lockbox services.

Developer

RTL is the developer of our flagship remittance processing software, RTLFIRST, which is utilized by over 160+ customers across the US and Canada and across various industries (i.e. utilities, insurance companies, City government, County offices, newspaper companies, non-profit organizations, etc.). The same system we develop is the same system we use for our lockbox operations. We have full control over our system, to add new features and processing enhancements, while other organizations use third party systems. Any need for additional capabilities or program adjustments, they are at the mercy of the third party vendor.

The system we use for our lockbox, RTLFIRST, is one of the key differentiating factors of our services. Its flexibility, modularity, design based on "NO PROGRAMMING" required, feature-richness, use of technology (i.e. imaging, CAR/LAR – ability to read check amounts, etc.) enables us to provide a custom operation to meet each client's specific payment processing needs without a whole lot of programming. Being a highly technological organization, the use of automation allows us to efficiently and accurately process payments without a lot of overhead, thus translating to lower processing fees.

COMPANY EXPERTISE

RT Lawrence is a company of sixty employees, management and staff. The company has grown at a consistent rate of 10 to 15% over the past 20 years. RTL does business across the entire United States, of which a significant number of our clients are insurance, utilities, and public sector government agencies.

Number of Employees:

RTL is composed of sixty people, of which all members of the company specialized in the Remittance Processing business and related functions such as ACH, Check 21, front counter solutions, internet payments and credit card processing represent 100% of our company focus. Our business is in image-based payment processing solutions and services, the software development and systems integration of, and most importantly, customer service. RTL develops and supports all



of the products and services proposed within. We are not dependant on any other software developers for the enrichment and support of our solutions, nor are we dependent on subcontractors or outside firms for the management and day-to-day activities of our lockbox service operations.

History/Qualifications/Financial Solvency

RT Lawrence Corporation has been in the technology business providing leading edge automated solutions for over 20 years. Our company is divided into two main focus groups, system development and end-user support and service, and comprised of two distinct business units: 1) software development, and 2) lockbox payment processing services, which consists of ACH/Check 21 and credit card processing services (PayChannel Division). We have been providing image-based solutions from day one and started out in the general imaging industry. Within the past fifteen years, RTL shifted its focus to the financial industry, which has become a major cornerstone of our business. Our main business goal has been to be a single source solution provider for all of our Client's payment processing needs, which include in-house remittance processing systems, backend imaging archival solutions, lockbox services, ACH/Check 21 check conversion services, electronic bill payment and presentment solutions, phone and internet payment services, and over-the-counter systems.

RT Lawrence Corporation is a privately held corporation headed by a management group consisting of a CEO, CFO, and Corporate Secretary. We currently have 30 employees dedicated to application development, support, and 100% customer service. Approximately 19 employees are focused on development, project implementation, and support and another 11 are dedicated to account management and support. On occasion, we use independent contractors when necessary for the implementation of our RTLFIRST remittance system. We also have a reseller group with potential for sales expansion and project implementation. RTL has an excess of 150+ clients across the United States and Canada. All of which are supported by our Technical Support Team. Financially, annual gross sales have reflected solid profitability over the years, and RTL has never, in its entire existence, been a party to any litigation.

For our lockbox services/DPS Services, we are fully equipped with high-speed transports, mail extraction machines, mail drop-off services, and payment processing staff with a solid strategy for expansion and growth as payment processing volumes increase. RTL has full control, ownership, and direct management of our lockbox operations. We do not use subcontractors or third party firms for our services. Currently, we have our corporate payment processing centers in California, with plans to extend our outsourcing services to the State of Texas and the Northeast.

Our experience and expertise in technology won us the exclusive opportunity to be among the few vendors involved in the ACH pilot with NACHA for electronic check conversion, thus awarding us the clout of being one of the first true ACH processors in the industry. Our ATMS Network and ACH Solution Suite, with its unique ACH transaction management and reporting capabilities, is one of the most comprehensive in the market. The financial institutions, which we process ACH transactions through, are JP Morgan Chase, the largest ACH bank in the country, Bank of America, Union Bank of California, and Wells Fargo. With the Check 21 Act, our established banking partner relationships and constant strive to be leading-edge, not only do we offer ACH processing and electronic deposit, but image-exchange capabilities as well.

We are leaders in integration of remittance technology, over-the-counter systems, imaging archival, and internet-based applications and have provided seamless solutions that meet our clients' specific business and automation needs. Our lockbox customers benefit from our experience and understanding of payment processing needs across vertical markets as well as the features and capabilities available within our RTLFIRST remittance system and FIRSTView imaging archival solution, which are the systems we use for our lockbox operations.



In addition, we offer ACH electronic check deposit and Check 21 Image-Exchange capabilities, so there is no need for you to have to deal with multiple vendors for all of your payment processing needs. RTL is a single-source solution provider. Our success rests on our customer service and the flexibility of our feature-rich applications. Our achievements can be exemplified in our 100% customer satisfied client base largely consisting of companies and organizations within the government, insurance, utility, newspaper, non-profit, banking and financial industry. The ability to understand business operational needs and our in-depth knowledge of technology has warranted invitations to speak in various organizations for Insurance, Treasurer/Tax Collectors, Finance Officials, City Clerks, Student Business Officials, and Executive Management. RTL is also a certified Level 1 Credit Card processor. We have custom designed websites for customer payments for credit cards, debit cards, and electronic checks. We provide customers with competitive rates on a percentage and convenience fee model.

Company Experience

RT Lawrence Corporation is a remittance processing software developer. We are in complete control of the products we install and support as we do not resell an RPS system developed by others. The genesis of RTL is that of document imaging company, and thus the basis of the RTLFIRST RP system proposed herein. Our company is over twenty years old, and most of our new business is a result of referrals. Our experience is extensive in this rather narrow vertical market, and it is important to point out that 100% of our R&D efforts and budget are focused on the continuing development of our remittance processing system.

We also have a presence in other “payment processing” related markets such as insurance companies, tax collectors, cable companies, and non-profit charitable organizations, etc. Our software is compatible with all the major transport manufactures (scanners). Our transports of choice are NCR, Burroughs, OPEX and Canon to name a few, and we are very experienced with many brands of equipment.

All of our clients subscribe to our software support program and have the benefit of our “ever evolving” product enhancements. Scheduled revision updates, typically on a semi-annual basis, are distributed to our clients without additional charge as part of the software maintenance agreement. Updates announcements are provided by our Technical Support Department in conjunction with updates on our RTLelegram Newsletter.

Experience factor: The continuing communications with our client base is the primary impetuous for software enhancements, as we listen to our clients and respond to requests for additional features and additional functionality. Example: there is an extensive reporting capability included in the system, and most of the reports are a result of our client’s requests and suggestions. In the reporting, module there is a productivity report that reports on how many payments were processed by payment type, by batch, by day, by operator. There are also statistical reports available on activity. The system includes the ability to create a “virtual check” in those cases where a check was not included or a “virtual stub” for check only payments received. All these enhancements are a result of “feedback” from our clients. Rainbow Municipal Water District will benefit from these ever-evolving upgrades, not only from your specific input, but input from our entire client community. Our experience has provided RTL with an unequalled proficiency in system implementation, primarily based on the “no-programming required” structure of the system. We are able to pre-load, test and set up your “operation” before we arrive on site. Upload files are also specified and tested before on-site activity. We bring a “system up and running” in a matter of days, ready for training and client handholding. We anticipate a fully functional implementation in two to four weeks depending on scanner delivery time.



KEY PROJECT TEAM

A dedicated project management and technical staff team will be assigned to the remittance solution project. The team will consist of the following members: *(Specific RTL staff will be assigned once the contract is signed or upon request)*

- Project Engineer- Manages and coordinates Remittance Processing Project schedules and resource allocation. Provides business process analysis and project planning assistance, both system and procedural. Ensures that all items and issues of project are addressed for a smooth and successful implementation. Assigned to project for entire duration of project implementation and post-installation Customer Satisfaction services.
- Project Manager- Manages and coordinates entire project implementation from beginning to end – pre-installation preparation, system and procedural planning, system setup and configuration, testing, and on-site implementation. Also provides on-site administrative and end-user training, if necessary. Ensures that all items and issues of project are addressed for a smooth and successful implementation. Assigned to project for entire duration of project implementation and post-installation Customer Satisfaction services.
- Customer Service Representative/Account Manager- Assist to manage and coordinate details of entire project implementation from beginning to end. Ensures that all items and issues of project are addressed for a smooth and successful implementation. Assigned to project for entire duration of project implementation and post-installation Customer Satisfaction services.
- Application Consultant - Provides pre-installation prep work, system setup and configuration, and testing. Provides remote implementation assistance, if deemed necessary and depending on project scope. Assigned to project for entire duration of project implementation and post-installation Customer Satisfaction services and support.
- Chief Development Manager Designer/ Business Process Consultant– Provides business process analysis and project planning assistance, both system and procedural. Oversees and maintains security levels of payment operations. Accessible during the project for entire duration of project implementation and post-installation customer satisfaction services.
- Director of Payment Solutions – Director of Payment Solutions and responsible for Business Development for the department. Provides assistance in answering questions and addressing Client needs. Assigned to project and to specific Client account for initial sales process, proposal generation, contract negotiations, if any, project hand-off, account follow-up and assistance during entire duration of project implementation, and for post installation Customer Satisfaction services.



CORPORATE MANAGEMENT PROFILE

Larry Tong: Founder/CEO

- Mr. Tong is the founder of RT Lawrence Corporation. At the inception of the business in 1992, the company specialized in imaging based solutions, initially devised/resold document management solutions. Under Mr. Tong's vision and company goals he spearheaded the transition to specialize and create a remittance imaging solution (RTLFIRST). Prior to creating RT Lawrence, he worked as an engineer/consultant for large firms such as Rockwell Corporation (now Boeing Corporation), Ernst and Whinney (now Ernst & Young), and Sugar Foods Corporation (Sweet & Low manufacturer). He received a Bachelors and Masters of Engineering with Distinction from Harvey Mudd College, Claremont College. Mr. Tong is responsible for the overall management operations of the entire company and the 3 business units. He is also heavily involved in product development as well as sales.

Ravi Samtani: Director of E-Payments Division/Principal Developer of RTLFIRST

- Mr. Samtani has been a key staff member of the company since its incorporation. He was the primary programmer/developer of the RTLFIRST 1.0 programming software that is sold on the market today. He was a key contributor to the design and framework of the solution. He manages and oversees all major product designs of the RTLFIRST vs.6.5 product and presently manages our E-Payments division. He is heavily involved in research and development and the marketing/sales of our e-payment product line which includes credit card processing, Check 21/ACH services and EBPP solutions just to name a few. He constantly is in search of the latest technologies to ensure we stay ahead of the curve as far as development and growth for our product lines.

John Phillips: COO/Director of Payment Solutions

- Mr. Phillips joined RTL in 2011 and brings a plethora of experience. In his past life he acted as Regional Manager to Parking Concepts in Texas, a Parking Solution company. In addition, he spent 15+ years as CEO of System Parking, a Parking Solution/Service organization and managed and oversaw 1200 Employees, headquartered in Chicago. He has directly managed the financial operations of these organizations and streamlined these businesses to generate more revenue and increase the level of productivity. He brings to RTL, his professionalism and understanding of common business practices to his clients to ensure they find the best payment processing solution to optimize their investments, operations and resources. He is involved in all aspects of the sales process and account management activity for his region and works closely with the Technical Support Team to ensure a high level of customer service to his account base.

LOCKBOX SERVICES

Our RTLockbox services is a full-service operation that supports everything from daily mail pickup, payment scanning and imaging, online exception payment processing, bank deposit to provision of daily reports and datafile. We maintain a highly automated and completely image-based processing environment. The following briefly depicts the overall flow and inherent processing capabilities of our lockbox processing operations.

Mailroom Operation

The RTLockbox payment processing cycle begins with mail pickup or delivery to our Payment Processing Center. Part of our standard services includes mail pickup at the local post office to our lockbox facility. We also support the delivery of mailed-in payments to our facility, if such requirement is necessitated by the client.

Mailroom operators utilize high-speed mail extractor machines to open mail. The envelope contents are removed and grouped together based on transaction type (i.e. single/single, multiples, payments with correspondence, checks-only, stub-only payments, etc.).

Payment Processing Operation

Our lockbox operation utilizes an efficient Two-Pass image-based system and supports the processing of retail, wholesale and wholetail type of payment transactions. Wholesale and wholetail type of transactions would include payments with letters or correspondence, statement-based stubs with multiple accounts listed, etc.

Retail payments are scanned using high-speed transports. Wholesale and wholetail payments are scanned through our wholesale processing system. Images are taken of the payment documents and automated data capture of account and payment information from stub scanline, if available, and check MICR line is performed. Please note that letters or correspondence scanned will be “married” with the stub and/or check payment documents. This allows for all the documents in an envelope to be electronically grouped or kept together and maintains the “integrity” of the entire payment transaction as it proceeds through our payment processing channels and phases. This capability has a huge impact and benefit when it comes to customer service as the image retrieval of the transaction will display all of the payment documents, stub and/or check and correspondence.

As payment batches are scanned, they then queue for “processing.” Our remittance processing system has a processor function with embedded CAR/LAR (*Courtesy Amount Recognition and Legal Amount Recognition*) engine, which has the ability to read check amounts. The Processor will do automatic payment balancing and validation of payment groups as well as run any automated special processing rules required by the customer and that was implemented in their lockbox operation.

Customer Control and Payment Verification

In the event the system finds an unbalanced payment (e.g. check amount does not balance stub due amount), it has the ability to electronically suspend or put this item on hold for our data entry or verification operators to review via an image based process. Our verification staff performs the “front-line” review, correction and validation of any exception payments. If an operator comes across a transaction that meets a certain payment exception condition (e.g. check-only payment without any account information, multiple stub/multiple check transaction that does not balance, etc.), as defined and specified by the client, they can flag that transaction for presentment on the web for client operator review and decision.

What sets RTL apart from a traditional lockbox service provider is that we are able to extend control to our clients through our web-based verification feature, which gives them the ability to make decisions on extreme exception payments via the Internet from the comforts of their own office. These exception items can include payments such as a check-only where there is no account information on the check, thus requiring additional research against the client's host billing system in order to process and apply the payment to the right account. There is no way a third party organization could possibly process this payment correctly to the right account unless they had access to the client's main system to do the necessary research.

The visibility and processing control that this feature alone provides you is critical to ensuring that these types of payments get processed accurately and in a timely manner. Review of exceptions is more immediate. Our services allow full access to payment details with its corresponding images via the web. There is no delay in deposit of these payments, because of exception item mail-back procedures. There is no risk of these payments getting processed incorrectly, thus avoiding a whole lot of labor in error correction process.

Deposit

After payments have been verified by RTLockbox operators and/or by client staff, they are ready for deposit. RTL offers Check 21 – Image Cash Letter Deposit. We encourage the use of electronic deposit which eliminates courier and bank fees. Through Check 21 electronic deposit, an electronic file is submitted to the bank at end of business day for clearing. We adhere to a strict “same-day” deposit rule, which means payments are deposited on the same business day they are received.

In regards to Check 21 electronic deposit, please note that any ineligible items, such as checks with “bad” or “non-conforming” image quality, which cannot be ICL deposited, can and/or will be prepared for physical deposit.

Reports & Datafile

Part of the end-of-day process includes the creation and transmission of three management reports (e.g. deposit and transaction) in PDF file format along with a datafile, if required, for automatic posting. Reports and datafile can either be emailed and/or downloaded from a secured https site.

Imaging & Archival

All completed payment batches are automatically archived and made available for imaging search and retrieval via the web. As a standard service offering, we will host the latest one month's worth of payment images on the Internet for image search and retrieval. The option to host images on the Internet for longer than one month is available for an additional cost per month. Older images can be put on our https site for client download of up to 5 days prior to purging. This is without charge and also part of our standard lockbox services. As an alternative option, the client can elect to have us burn the older images onto CD/DVD and mailed back to them.

Please note that we are also the developer of our own imaging archival system known as FiRSTView. This is the main imaging system used and accessed by our lockbox clients when they go online to search and retrieve their imaged payment documents. As an option, customers can elect to purchase a license or multiple licenses of our FiRSTView imaging system. This will enable them to easily search and retrieve older payment documents burned onto CDs.

Additional Capabilities

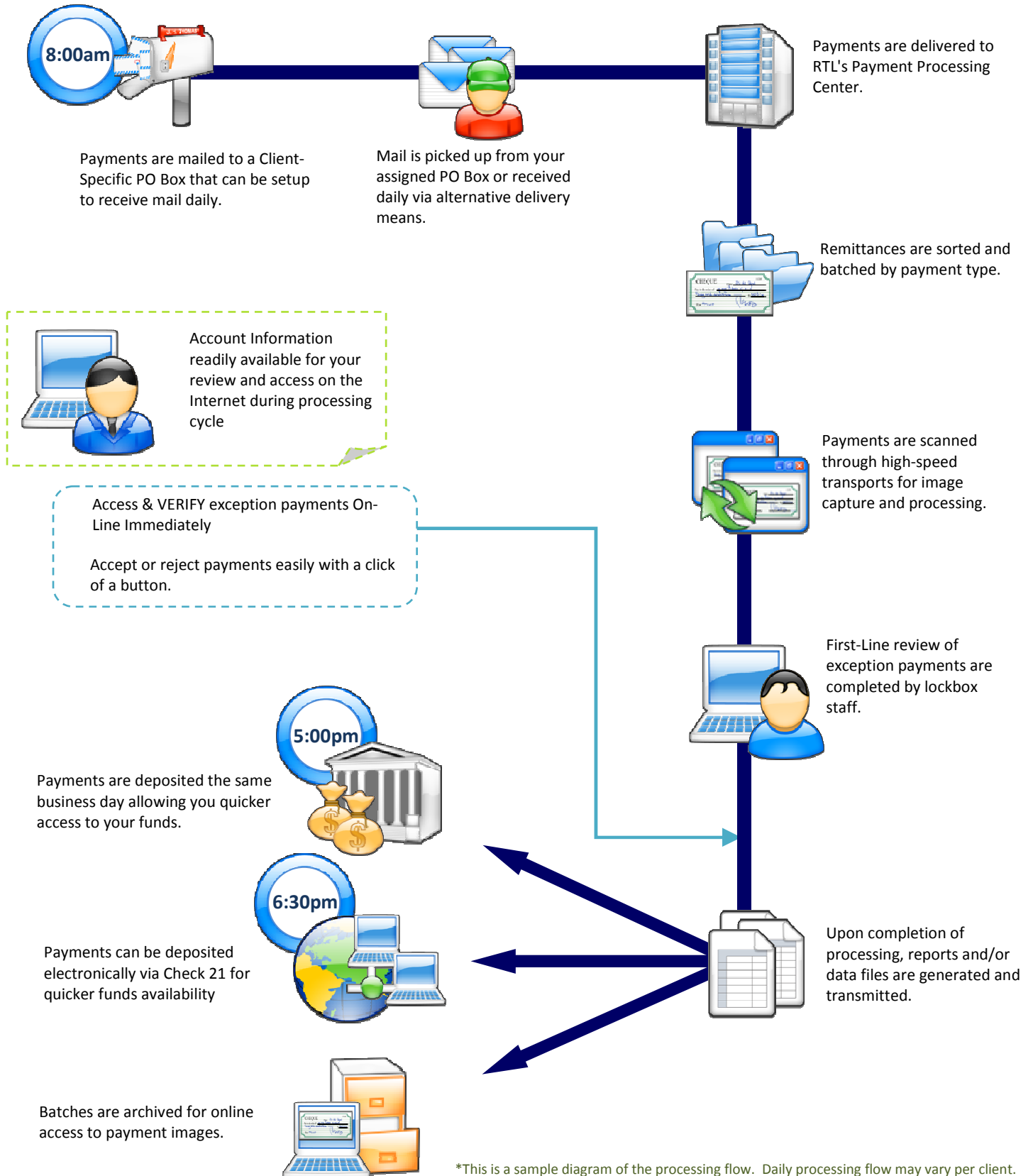
As the developers of RTLFIRST, the system we use for our lockbox service processing, new feature enhancements are continuously being added to the system. These features and our product development list comes from existing customer feedback, which helps in the ongoing development of the application and maintaining its competitive advantage to other comparable systems. As these new system enhancements/features are incorporated into RTLFIRST, their capabilities are readily made available to our lockbox Clients for their utilization, if needed, and benefit. One example of an enhanced capability and service offering is our SmartFind and SmartFix features for the handling of third-party online bill checks, which are troublesome payments and extremely labor intensive to process.

SUMMARY

RTL specializes in payment processing solutions and services. With our complete suite of products and service offerings along with our years of experience in the financial payment industry, we have the expertise and flexibility to configure a comprehensive total payment processing solution/service that will best meet your client's specific requirements. We can "customize" a solution without the high-dollar price and be a single-source for all your payment processing needs.



RTLockbox Services Processing Flow Diagram



RTL Sample Customers

Apple Valley Ranchos Water Company	City of West Miami	Coachella Valley Water District
Azusa Light and Water	City of Danville	Colorado Springs Utilities
Blue Casa Telephone	City of Toledo	Contra Costa County
Camrosa Water District	Great Lakes Energy Cooperative	Humboldt County Treasurer-Tax Collector
City of Antioch	Green Bay Water Utility	Imperial County Tax
City of Corona	Lake County Utilities	Imperial Irrigation District
City of Monrovia	Golden State Water Company	Lake County Tax Collector
City of Newport Beach	City of Hialeah	Madera County
City of Pittsburg	City of Highpoint	Marin County Tax
City of San Juan Capistrano	City of Savannah	Mendocino County
City of Santa Monica	Clay County Utility Authority	Merced County Tax
KCRW 89.9	Clay Electric	Mission Aviation Fellowship
KDFC-FM 89.9	COBB Electric Membership Corp	Mono County Treasurer-Tax Collector
Las Virgenes Municipal Water District	Fayetteville Public Works Commission	Monterey County Tax
Padre Dam Municipal Water District	Gainesville Regional Utilities	Moulton Niguel Water District
Park Water Company	Knoxville Utilities Board	Napa County
Sun West Mortgage Company, Inc.	Mid Carolina Electric Copperative	Nevada County
Western Municipal Water District	Santee Cooper Power	Orange County Superior Court
City of Escondido	Seacoast Utility Authority	Placer County Tax
City of Long Beach	Borough of Ellwood City	Rancho Santa Margarita Water District
City of Santa Rosa	Camrosa Water District	Riverside County Superior Court
City of Sparks	Diablo Water District	San Bernardino County ATC
City of Tucson	Seacoast Utility Authority	San Gabriel Valley Water
City of Amarillo	Searcy Water Utilities	San Joaquin County Tax
City of Arlington	West Baton Rouge Louisiana Water Gas District	Sierra Tel Communications
City of Davenport	Cal Farley Boy's Ranch	Solano County Tax
City of St. Louis	Azusa Light and Waters	Sonoma County Tax
City of Macomb	Butte County	Stanislaus County
City of Urbandale	California Water Service Company	Tuolumne County Tax

REFERENCE LIST

City of San Juan Capistrano

Profile: Utility Bill Payment Processing Lockbox Operation: PO Box setup, daily mail pickup, image scanning and processing of payments, web verification and online exception review, Check 21 electronic and physical deposit, daily provision of reports and datafile, online imaging access

No of Yrs as Client: 15.5 years (since 03/2002)

Ms. Michelle Bannigan – Asst. Finance Director

32400 Paseo Adelanto

San Juan Capistrano, CA 92675-3603

Phone: (949) 443-6307

Email: mbannigan@sanjuancapistrano.org

Western Municipal Water District

Profile: Utility Bill Payment Processing Lockbox Operation: PO Box setup, daily mail pickup, image scanning and processing of payments, web verification and online exception review, Check 21 electronic and physical deposit, daily provision of reports and datafile, online imaging access

No of Yrs as Client: 15 years (since 11/2002)

Ms. Tresa Huffman – Customer Service Supervisor

14205 Meridian Parkway

Riverside, CA 92518

Phone: (951) 571-7114

Email: thuffman@wmwd.com

PBS SoCal (former KOCE-TV Foundation)

Profile: Utility Bill Payment Processing Lockbox Operation: PO Box setup, daily mail pickup, image scanning and processing of payments, web verification and online exception review, Check 21 electronic and physical deposit, daily provision of reports and datafile, online imaging access

No of Yrs as Client: 13 years (since 12/2004)

Ms. Wendy B. Albor – Director of Data Management

3080 Bristol Street #100

Costa Mesa, CA 92626

Phone: (714) 241-4140

Email: walbor@pbsocal.org



RTLockbox Estimated Monthly Fee for Rainbow Municipal Water District

Average Monthly Volume **3,000**

Transaction-Based Charges **\$ 469**

	Count	Price	Total
Single Stub w/ scanline and 1 Check	2,718	\$ 0.12	\$ 326.16
Check Only, no stub	9	\$ 0.25	\$ 2.25
Multiple Stub or Check	144	\$ 0.28	\$ 40.32
Other Misc Payment	129	\$ 0.28	\$ 36.12
Number of Full Page Attachments	50	\$ 0.15	\$ 7.50
Third Party (Check free)	327	\$ 0.08	\$ 26.16
Total Number of Transactions- C21	3,000	\$ 0.01	\$ 30.00
<i>Total transaction Base Charge:</i>			\$ 468.51

Monthly Fixed Price Charges **\$ 330**

Lockbox Monthly Fee	\$ 200
PO Box Setup Fee (pass-through fee)	\$ 130

Per-Occurrence Charges **\$ 87**

	No. of Occurrence	Handling Fee	Postage Fee	Unit Price	Per Item Fee
Mailbacks (daily)	16	2.50	1.20		59.20
Bank Deposit (Check 21 ineligible)	3	5.00	-		15.00
CD of Images	1	2.50		10.00	12.50
<i>Total</i>					86.70

Estimate Monthly Fee **\$ 885**

Estimate Annual Fee **\$ 10,623**

Five Year Projection

2017	\$ 10,623
2018	\$ 10,835
2019	\$ 11,052
2020	\$ 11,273
2021	\$ 11,498

Estimate Total Annual Fee (for 5 years) **\$ 55,280**



**Lockbox Services Price Proposal for
Rainbow Municipal Water District**

RT Lawrence Corporation
7740 Painter Avenue, Suite 100
Whittier, CA 90602
562-696-4843
6-Sep-17

***** INSTRUCTIONS AND EXAMPLES TO HELP
UNDERSTAND THE FOLLOWING SECTION 1 AND HOW WE
APPLY/CALCULATE TRANSACTION CHARGES: *****

Single Stub/Single Check Example:

- Price Example: For single stub and single check payment that came in an envelope and the stub has a scanline, the cost to process the entire transaction is \$0.12 [Cost of a) Payment Coupon with Scanline + h) Check Mailed with Payment Coupon = \$0.08 + \$0.04 = \$0.12]
- Single stub and single check "Matched" (stub due amount = check amount) and "Unmatched" (stub due amount does not equal check amount) payments are priced the same.

Multiples Example:

- Price Example: For a "multiple" payment, which has two stubs and three checks, that came in an envelope and the stubs have a scanline, the cost to process the entire transaction is \$0.28 [Cost of a) Payment Coupon with Scanline x 2 + h) Check Mailed with Payment Coupon x 3 = (\$0.08x2) + (\$0.04x3) = \$0.28]
- Multiples "Matched" (total stub due amounts = total check amounts) and "Unmatched" (total stub due amounts does not equal total check amounts) payments are priced the same.

Wholesale or Statement-Based Payment Example:

- Price Example: For a payment, which has one letter-size statement/document listing 10 separate accounts and one check paying for all 10 accounts, that came in an envelope and the statement has no scanline, the cost to process the entire transaction is \$1.76 [Cost of d) Non-Standard Payment Coupon without Scanline + f) Each Additional Line-Item Account on Non-Standard Payment Coupon x 9 + h) Check Mailed with Payment Coupon = \$0.28 + (\$0.16x9) + \$0.04 = \$1.76]



**Lockbox Services Price Proposal for
Rainbow Municipal Water District**

RT Lawrence Corporation
7740 Painter Avenue, Suite 100
Whittier, CA 90602
562-696-4843
6-Sep-17

Section 1. Transaction-Based Charges
Minimum Total Monthly Transaction Charges

Pricing
\$400 per month

- a) **Payment Coupon with Scanline** \$0.08 per document
 - > Retail size (check-like size) document
 - > Includes automatic or manual capture of up to 3 data fields of computer printed or written information
- b) **Payment Coupon without Scanline** \$0.16 per document
 - > Retail size (check-like size) document
 - > Includes automatic or manual capture of up to 3 data fields of computer printed or written information
- c) **Non-Standard Payment Coupon with Scanline** \$0.22 per document
 - > 1 page letter-size or like-size document
 - > Includes automatic or manual capture of up to 3 data fields of computer printed or written information
- d) **Non-Standard Payment Coupon without Scanline** \$0.28 per document
 - > 1 page letter-size or like-size document
 - > Includes automatic or manual capture of up to 3 data fields of computer printed or written information
- e) **Each Additional Payment on Coupon** \$0.16 per account
 - > Posting of additional payment to a separate account/fund - Creation of virtual stub(s)
 - > Includes automatic or manual capture of up to 3 data fields of computer printed or written information
- f) **Each Additional Line-Item Account on Non-Standard Payment Coupon** \$0.16 per account
 - > Posting of additional payment to a separate account/fund - Creation of virtual stub(s)
 - > Includes automatic or manual capture of up to 3 data fields of computer printed or written information
- g) **Letters or Correspondence Sent with Payment** \$0.15 per document
 - > 1 page letter-size or like-size document without any payment information requiring posting or data entry and only requiring image capture
- h) **Check Mailed with Payment Coupon** \$0.04 per check
 - > Check(s) that accompany the payment coupon (Not the same as check-only payment)
- i) **Check-Only Payment** \$0.25 per transaction
- j) **Virtual Check** \$0.16 per check
 - > Cash processing
- k) **Stub-Only** \$0.25 per transaction

**** Please see notes on following page. ****



**Lockbox Services Price Proposal for
Rainbow Municipal Water District**

RT Lawrence Corporation
7740 Painter Avenue, Suite 100
Whittier, CA 90602
562-696-4843
6-Sep-17

Notes:

- Transaction processing and pricing is based on client specifications as defined in Section 7 of this service proposal. Changes to lockbox service specifications and processing requirements may affect the prices listed above.
- If the items listed above does not meet all transaction processing needs, please contact your RTL sales representative for a more comprehensive price list.
- All Payment types will be fully processed by our lockbox, NOT simply sent back to client for processing.
- *We provide optional mail backs to our client's customers.*
- Matched and Unmatched Payments are priced the same.
- Unknown items are scanned in and presented via secured internet, along with the images, for client's immediate, remote, resolution without the need for "send-back".
- *RTL has a secure web portal for error checking and correction*



Lockbox Services Price Proposal for Rainbow Municipal Water District

RT Lawrence Corporation
7740 Painter Avenue, Suite 100
Whittier, CA 90602
562-696-4843
6-Sep-17

Section 2. Monthly Fixed Price Charges

Pricing

Base Monthly Fee for Lockbox Services

\$200 per month

Monthly Services Include:

- **Daily Pickup of Mail** - Includes daily pickup of mail from Client-specific PO Box in local Whittier, CA post office
- **Data File Transmission** - Includes data transmission of one upload file via email and/or https download per day
- **Reporting** - Three management reports in pdf file format are provided via email and/or https site download
- **Web-based Payment Verification of "Holds"** - Web-based verification of unknown items by 3 of client's remittance staff
- **Imaging Storage and Retrieval via the Web** - Hosting and storing of one month worth of images on our server and the ability for five of client's customer service representative to perform imaging search and retrieval of payment documents via the internet
- **Delivery of Older Images** - For convenience, it is RTL's standard practice to put images of "older" payments per calendar month block onto our https site for a period of five days for client download onto their own server

Optional, but Recommended, Services NOT Included In the Monthly Fee:

- **Client-Exclusive PO Box** - A Client-Exclusive "Caller Services" P.O. Box number. This service ensures early mail delivery dedicated to Rainbow Municipal Water District's payments only.
> Sample client mailing address or return envelope address can be as follows:
Rainbow Municipal Water District
Payment Processing Center
P.O. Box 7000
Whittier, CA 90605-1400

\$1,560 per year

Services NOT Included In the Monthly Fee:

- Courier fees to perform daily pick up of mail from Client site or Client-specific PO Box NOT located in local Whittier, CA post office
- Courier fees or bank deposit trip fees to perform daily drop-off of encoded checks for deposit to local bank branch office (or equivalent service). Note: We encourage the use of Electronic Deposit, which eliminates courier and bank fees



**Lockbox Services Price Proposal for
Rainbow Municipal Water District**

RT Lawrence Corporation
7740 Painter Avenue, Suite 100
Whittier, CA 90602
562-696-4843
6-Sep-17

Section 3. E-Payment Services

Pricing

- a) **Check 21 Electronic Deposit Fees**
(Please note that we also offer ACH payment processing of E-Checks from the Web, Phone, Front Counter, and auto-pay)
- 1) Bank Check 21 or Image Cash Letter Transaction Fee
 - 2) Bank Return Items Fee
 - 3) RTL Check 21 or Image Cash Letter Transaction Fee
(In addition to Bank Check 21/ICL fees)
 - 4) RTL Return Items Fee
(In addition to Bank return item fees)

TBD by Bank
TBD by Bank
\$0.01 per trans
\$0.00 per occurrence

Check 21 Notes:

- Check 21 fees eliminate current bank charges for processing encoded checks for deposit.
- Check 21 approach will convert the check payment into an electronic transaction for deposit.
- Check 21 subject to bank credit approval
- Check 21 processing capabilities include complete stub-check transaction processing, in-line quality usability, duplicate check tracking, X9.37 generation and sanitization, closed-loop returned item stub-check integrity retention, returned item archive retag, block database, reversal file to back-end host system, etc.

Section 4. One-Time Setup Charges

Pricing

- a) **New Lockbox Account Setup Fee**
- Notes:**
- Setup includes one standard operation
 - Setup includes one data file layout configuration service
 - Setup includes three standard reports

\$1,200 one-time fee

- b) **New Check 21 Account Setup Fee for E-Payment**
- Notes:**
- Includes RTL E-Payment startup services: RTL E-Payment file testing with bank, payment processing operation setup and remote end-user training, if applicable.

\$1,200 one-time fee



**Lockbox Services Price Proposal for
Rainbow Municipal Water District**

RT Lawrence Corporation
7740 Painter Avenue, Suite 100
Whittier, CA 90602
562-696-4843
6-Sep-17

c) **Additional Operation Setup Fee (optional)** \$1,200 one-time fee

Notes:

- Setup includes one additional operation
- Setup includes one data file layout configuration service
- Setup includes three standard reports

d) **Real Time Lookup Setup Fee (optional)** \$1,200 one-time fee

Notes:

- Setup includes system configuration service and testing.

e) **Epay Consolidator Module (optional)** \$1,200 one-time fee

Notes:

- Setup includes system configuration service and testing.



**Lockbox Services Price Proposal for
Rainbow Municipal Water District**

RT Lawrence Corporation
7740 Painter Avenue, Suite 100
Whittier, CA 90602
562-696-4843
6-Sep-17

Section 5. Per-Occurrence Charges

Pricing

- | | | |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| a) Mailing of Items to Client | | Paid By Client |
| | <p>Notes:</p> <ul style="list-style-type: none"> • We anticipate only a once-a-week mailing, unless otherwise noted or requested, since the daily transactions are performed in real time mode via the use of images. • Covers mailing of hard copy payment documents and CD of expired images to Client. • Per-Occurrence charges cover cost of labor (\$2.50/occurrence) and postage, if applicable. | |
| b) Additional Client Handling Requests | | Paid By Client |
| | <p>Notes:</p> <ul style="list-style-type: none"> • This covers additional per occurrence services required by the Client that is not part of our standard lockbox services as noted above (i.e. photo copying stubs and/or checks, cutting or modifying the stubs to a scanable size, etc.) | |
| c) RTL Bank Deposit Trip Fee | | \$15 per trip |
| | <p>Notes:</p> <ul style="list-style-type: none"> • Charges to go to the local bank branch office (within a 6-mile radius to payment center) to deposit checks. Client can elect to have other courier services perform this task. If Client wishes for RTL to make the daily deposit and current bank does not provide for a local branch office within a 6-mile radius, Client can consider opening an interim deposit account with an alternative financial institution with local branch office to RTL payment processing center. • Bank deposit per trip fees will be reduced to \$5 per trip for Check 21 upon signing with our E-Payment services. | |
| d) Daily Bank Deposit by Third Party Courier Service | | TBD |
| | <p>Notes:</p> <ul style="list-style-type: none"> • Courier fees to perform daily deposit drop-off to local bank branch. | |
| e) Daily Mail Pickup Courier Fee | | TBD |
| | <p>Notes:</p> <ul style="list-style-type: none"> • Courier fees to perform daily pick up of mail from Client site or Client-specific PO Box NOT located in local Whittier, CA post office | |



**Lockbox Services Price Proposal for
Rainbow Municipal Water District**

RT Lawrence Corporation
7740 Painter Avenue, Suite 100
Whittier, CA 90602
562-696-4843
6-Sep-17

Section 6. OPTIONAL IMAGE ARCHIVAL ALTERNATIVES

Pricing

- a) **CD Delivery of Older Images** - As an alternative option within the traditional means, RTL can burn images of payments older than one month along with their corresponding index data file onto CDs for mailing back to the Client. The cost for mailing of the CD(s) fall under section 5 - Per Occurrence Charges of this proposal and is the cost of the CD(s), handling, and postage. \$10

- b) **Additional Imaging Storage and Retrieval on the Web** - Optional longer storage of images available upon request for an extra \$25/month for each additional month of extended online storage. \$25/mo per month

- c) **Optional Imaging System** - Client may want to consider the Optional purchase of our "in-house imaging research" software FiRSTView to enable the fast searching and retrieval of the "older" images from the CD. Please refer to the following for additional pricing information.

- Optional Additional In-House Imaging Research Software**
 - Single-User in-house FiRSTView Imaging Research Software \$3,250
 - Installation and Training Service \$1,000
 - Annual Support of the Imaging Software \$488 per year

Notes:

- The optional purchase of this product will enable the client to perform fast search and retrieval of "older" images returned to the client on CDs.
- We recommend a server for imaging.
- PC hardware not included.



**Lockbox Services Price Proposal for
Rainbow Municipal Water District**

RT Lawrence Corporation
7740 Painter Avenue, Suite 100
Whittier, CA 90602
562-696-4843
6-Sep-17

Section 7. Client Specific Requirements

(The following lists any tasks, special processing, conditions, etc. that we will comply with, provide or include in our lockbox services as part of the service proposal.)

Client payment processing requirements and specifications are yet to be determined, finalized and is pending discussion. Lockbox service pricing may be affected by Client's special payment processing needs.

Pricing

Section 8. Considerations

**Proposal
Notes**

- Pricing is valid for 90 days only.

**Payment
Terms**

- Lockbox Services are billed monthly by RTL with Net 10 terms.



BOARD ACTION

BOARD OF DIRECTORS

September 26, 2017

SUBJECT

DISCUSSION AND POSSIBLE ACTION TO APPROVE ORDINANCE NO. 17-13 AMENDING AND UPDATING ADMINISTRATIVE CODE CHAPTER 2.03 - REMUNERATION AND REIMBURSEMENT

BACKGROUND

Currently, Administrative Code Section 2.03 states Board of Directors shall receive \$150 Per Diem for one regular meeting of the Board and one additional Board meeting per month. It also states if a Board Member has been officially appointed as the RMWD representative at other agencies, they shall receive a \$150 Per Diem for meeting attendance. In addition, Directors may receive \$150 Per Diem to attend Board or Committee meetings of the Metropolitan Water District of Southern California, if, in the opinion of the Board President of RMWD, the Director's attendance at the Board or Committee meeting would benefit RMWD.

Administrative Code Section 2.03 does not address Per Diems being paid to Board of Directors for each day they attend conference, seminar, or workshop conducted by one of the organizations identified in the RMWD Memberships/Subscriptions Policy.

DESCRIPTION

After a series of discussions on the matter, the Board President appointed a subcommittee consisting of Board President Brazier and Director Gasca to review the matter in more depth and bring a proposed change back to the Board for consideration. The resulting revisions reflect the proposed changes. Some highlights of the proposed changes include:

- Compensation for Board Member attendance at meetings or other approved functions will now be referred to as compensation rather than using the term Per Diem. The term Per Diem has meanings in other contexts that can cause confusion.
- Board members who receive compensation for meetings other than RMWD Board meetings must submit a written report describing the content of the meeting and information received.
- There are a limited number of pre-approved meetings that Board members may receive compensation for that are included in the revised policy. Any other meeting, seminar, or conference that a Board member would like the District to cover conference registration and travel expenses and/or Board member compensation will require that board member to propose their attendance in open session for consideration by the full Board.
- Compensation is fixed at \$150 per day of attendance and is limited to six days per month.

POLICY/STRATEGIC PLAN KEY FOCUS AREA

Administrative Code Chapter 2.03

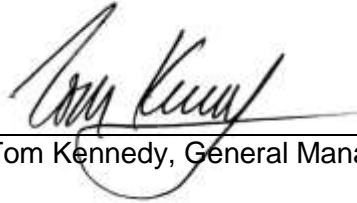
Strategic Focus Area Three: Workforce Development

BOARD OPTIONS/FISCAL IMPACTS

- 1) Approve Ordinance No. 17-13 amending and updating Administrative Code Chapter 2.03.
- 2) Approve Ordinance No. 17-13 amending and updating Administrative Code Chapter 2.03 with revisions.
- 3) Provide staff with further direction.
- 4) Do not approve Ordinance No. 17-13 amending and updating Administrative Code Chapter 2.03

STAFF RECOMMENDATION

Staff supports Board direction.



Tom Kennedy, General Manager

September 26, 2017

Ordinance No. 17-13

**Ordinance of the Board of Directors of the Rainbow Municipal Water District
Amending the Administrative Code Chapter 2.03 – Remuneration and
Reimbursement**

WHEREAS, the Rainbow Municipal Water District has, from time to time, adopted various rules and regulations for the operation of the District; and

WHEREAS, certain of those rules and regulations require updating to reflect best practices, as well as changes in applicable laws; and

WHEREAS, the Board of Directors has determined that changes in the rules or regulations of the District shall occur solely by amendment to the Administrative Code;

NOW, THEREFORE,

BE IT ORDAINED by the Board of Directors of Rainbow Municipal Water District as follows:

1. The following rules and regulations of the District, collected are hereby adopted and shall be incorporated into the Administrative Code, consisting of:

2.03 Remuneration and Reimbursement

2. The General Manager is hereby directed to update the Administrative Code to reflect the approval of these rules and regulations, and to assign or reassign the numbering of the Administrative Code as necessary to codify these rules and regulations as amended.

3. This ordinance shall take effect immediately upon its adoption on this 26th day of September, 2017.

AYES:
NOES:
ABSTAIN:
ABSENT:

Helene Brazier, Board President

ATTEST:

Dawn Washburn, Board Secretary

**Chapter 2.03
REMUNERATION AND REIMBURSEMENT**

**Section 2.03.010
Remuneration and Reimbursement Policy**

2.03.010.1 State Law limits Board member compensation to ten (10) compensable meetings per month (Water Code Section 20202). The RMWD Board shall not be eligible for compensation for more than six (6) meetings per month.

Formatted: Font: Not Bold

2.03.010.2~~4~~ Members of the Board of Directors shall receive compensation of \$150 Per Diem for each day's attendance for up to two one regular meeting of the Board and one additional Board meetings per month. In addition, Board Members shall receive compensation of \$150 for each day in attendance at the following regularly scheduled local meetings:

- Council Of Water Utilities Monthly Meeting
- San Diego Chapter of CSDA Quarterly Meeting

Formatted: Bulleted + Level: 1 + Aligned at: 0.03" + Indent at: 0.28"

Certain Board Members will be appointed as the District's representative for local agencies and organizations. Board Members appointed to the following organizations will receive compensation of \$150 per day of attendance at meetings of the following organizations:

Formatted: Indent: Left: 0.28"

Formatted: Indent: Left: 0"

- San Luis Rey Watershed Council
- Santa Margarita Watershed Council

Formatted: Bulleted + Level: 1 + Aligned at: 0.03" + Indent at: 0.28"

Formatted: Indent: Left: 0"

Should two compensable meetings occur in a single day, the Board member(s) in attendance shall be eligible for compensation of only \$150 for the entire day.

2.03.010.3 Training, Seminars, and Conferences – If a Board member wishes to attend any training, seminar, or conference and receive compensation for the event and travel/registration expenses, the Board member must present his or her request for attendance during a regularly scheduled open session Board meeting. A standing agenda item for this practice will be included in each Board meeting agenda. The Board member requesting compensation and travel/registration costs shall indicate the nature of the conference and the benefits that his or her attendance will bring to the District and its ratepayers. The full Board shall consider this information and take action to approve or disapprove the compensation by a majority vote. Upon approval, the Board member will be eligible for compensation of \$150 for each full day at a conference or seminar.

Formatted: Font: Bold

~~In the event a regular meeting is not scheduled in one particular month but additional meetings are called by the Board of Directors, the Directors in attendance shall receive \$150.00 Per Diem~~

Formatted: Not Highlight

D:\Temp\trampoline\eda27f2e-5bac-4375-a3dc-e31992d69c00.docx\Board of Directors\Remuneration and Reimbursement Policy revTK.docx\W:\BOARD\Board Secretary\Administrative Code Working File\Remuneration and Reimbursement 2.03 – Remuneration and Reimbursement Policy 2.03.010 DRAFT.doc\Approved Ordinance 05-07\8-3-05\Amended and Approved 7-21-06 by Ordinance No. 06-02\Revised 06-26-07\Ordinance 07-08\Amended and Approved 2-24-09 by Ordinance 09-05\Amended and Approved 8-28-12 by Ordinance 12-03\DRAFT

~~per meeting for that month with a two meeting maximum. Those Directors attending other agency meetings as the appointed official RMWD representative (i.e., Economic Study Group, ACWA/JPIA Board of Directors or Committee Member, and San Luis Rey Watershed Council) would also be authorized to receive \$150 Per Diem for attendance at each of those meetings. In addition, Directors may receive a \$150 Per Diem to attend Board or Committee meetings of the Metropolitan Water District of Southern California, if, in the opinion of the Board President of RMWD, the Director's attendance at the Board or Committee meeting would benefit RMWD.~~

2.03.010.42 Members of the Board of Directors shall be reimbursed for all legitimate expenses incurred in attending any meetings or in making any trips on official business of the Board, when so authorized in accordance with this Administrative Code. Reimbursement for the cost of the use of a Director's vehicle shall be on the basis of total miles driven and at the rate specified in the Internal Revenue Service Rates as established in Publication 463 or any successor publication.

[D:\Temp\trampoline\eda27f2e-5bac-4375-a3dc-e31992d69c00.docx\Board of Directors\Remuneration and Reimbursement Policy revTK.docx\W:\BOARD\Board Secretary\Administrative Code Working File\Remuneration and Reimbursement 2.03 - Remuneration and Reimbursement Policy 2.03-010 DRAFT.doc\Approved Ordinance 05-07\8-3-05\Amended and Approved 7-21-06 by Ordinance No. 06-02\Revised 06-26-07\Ordinance 07-08\Amended and Approved 2-24-09 by Ordinance 09-05\Amended and Approved 8-28-12 by Ordinance 12-03\DRAFT](#)

Chapter 2.03
REMUNERATION AND REIMBURSEMENT

Section 2.03.010

Remuneration and Reimbursement Policy

2.03.010.1 State Law limits Board member compensation to ten (10) compensable meetings per month (Water Code Section 20202). The RMWD Board shall not be eligible for compensation for more than six (6) meetings per month.

2.03.010.2 Members of the Board of Directors shall receive compensation of \$150 for each day's attendance up to two Board meetings per month. In addition, Board Members shall receive compensation of \$150 for each day in attendance at the following regularly scheduled local meetings:

- Council Of Water Utilities Monthly Meeting
- San Diego Chapter of CSDA Quarterly Meeting

Certain Board Members will be appointed as the District's representative for local agencies and organizations. Board Members appointed to the following organizations will receive compensation of \$150 per day of attendance at meetings of the following organizations:

- San Luis Rey Watershed Council
- Santa Margarita Watershed Council

Should two compensable meetings occur in a single day, the Board member(s) in attendance shall be eligible for compensation of only \$150 for the entire day.

2.03.010.3 Training, Seminars, and Conferences – If a Board member wishes to attend any training, seminar, or conference and receive compensation for the event and travel/registration expenses, the Board member must present his or her request for attendance during a regularly scheduled open session Board meeting. A standing agenda item for this practice will be included in each Board meeting agenda. The Board member requesting compensation and travel/registration costs shall indicate the nature of the conference and the benefits that his or her attendance will bring to the District and its ratepayers. The full Board shall consider this information and take action to approve or disapprove the compensation by a majority vote. Upon approval, the Board member will be eligible for compensation of \$150 for each full day at a conference or seminar.

2.03.010.4 Members of the Board of Directors shall be reimbursed for all legitimate expenses incurred in attending any meetings or in making any trips on official business of the Board, when so authorized in accordance with this Administrative Code. Reimbursement for the cost of the use of a Director's vehicle shall be on the basis of total miles driven and at the rate specified in the Internal Revenue Service Rates as established in Publication 463 or any successor publication.

BOARD OF DIRECTORS

September 26, 2017

SUBJECT

DISCUSSION AND POSSIBLE ACTION TO APPOINT FLINT NELSON AS AN ALTERNATE MEMBER TO THE ENGINEERING SERVICES COMMITTEE

BACKGROUND

Flint Nelson has attended a few Engineering Services Committee meetings and has shown an interest in membership. Currently, the Engineering Services Committee has full membership and therefore would like to appoint Flint Nelson as an alternate member.

DESCRIPTION

At the September 6, 2017 Engineering Services Committee meeting, the committee members voted to recommend to the Board of Directors to appoint Flint Nelson as an alternate member.

POLICY/STRATEGIC PLAN KEY FOCUS AREA

Administrative Code Section 2.09; Committees

BOARD OPTIONS/FISCAL IMPACTS

The Board may make the appointments.

STAFF RECOMMENDATION

Staff recommends the Board appoint Flint Nelson as an alternate member to Engineering Services Committee.



Tom Kennedy
General Manager

9/26/17

BOARD OF DIRECTORS

September 26, 2017

SUBJECT

DISCUSSION AND POSSIBLE ACTION TO APPOINT DAVE SHINN AS A MEMBER TO THE COMMUNICATIONS COMMITTEE

BACKGROUND

Dave Shinn has attended the last two Communications Committee meetings and has shown an interest in membership. Currently, the Communications Committee is not fully seated and therefore would like to appoint Dave Shinn as a member.

DESCRIPTION

At the September 11, 2017 Communications Committee meeting, the committee members voted to recommend to the Board of Directors to appoint Dave Shinn as a member.

POLICY/STRATEGIC PLAN KEY FOCUS AREA

Administrative Code Section 2.09; Committees

BOARD OPTIONS/FISCAL IMPACTS

The Board may make the appointments.

STAFF RECOMMENDATION

Staff recommends the Board appoint Dave Shinn a member to the Communications Committee.



Tom Kennedy
General Manager

9/26/17

BOARD OF DIRECTORS

September 26, 2017

SUBJECT

DISCUSSION AND POSSIBLE ACTION TO APPOINT MIGUAEL GASCA AS A MEMBER TO THE BUDGET AND FINANCE COMMITTEE

BACKGROUND

Miguel Gasca has attended a few Budget and Finance Committee meetings and has shown an interest in membership. Currently, the Budget and Finance Committee does not have full membership and therefore would like to appoint Miguel Gasca as a member.

DESCRIPTION

At the September 12, 2017 Budget and Finance Committee meeting, the committee members voted to recommend to the Board of Directors to appoint Miguel Gasca as a member.

POLICY/STRATEGIC PLAN KEY FOCUS AREA

Administrative Code Section 2.09; Committees

BOARD OPTIONS/FISCAL IMPACTS

The Board may make the appointments.

STAFF RECOMMENDATION

Staff recommends the Board appoint Miguel Gasca as a member to Budget and Finance Committee.



Tom Kennedy
General Manager

9/26/17

BOARD OF DIRECTORS

September 26, 2017

SUBJECT

REQUEST FOR RETROACTIVE COMPENSATION FOR CONFERENCE ATTENDANCE IN MAY 2017 BY DIRECTOR MACK

BACKGROUND

During the past several Regular Board, Special Board, and Ad-Hoc Committee meetings, Board Members have held discussions regarding the remuneration and reimbursement policy for Board Member attendance at conferences and workshops. At the September 5, 2017, Special Board meeting, the Board had made some proposed changes to the current Administrative Code policy for Board consideration at their September 26, 2017 Regular Board meeting.

DESCRIPTION

Director Mack is requesting retroactive compensation for attendance at both the ACWA 2017 Spring Conference held May 9-12, 2017 and Special Districts Legislative Days held May 15-17, 2017. A breakdown for each conference is as follows:

ACWA 2017 Spring Conference

May 9, 2017	Travel Day Only - Director Mack received \$150.00 per diem as the Rainbow representative to ACWA (Director Mack attended a meeting with Tom Kennedy and the City of Oceanside)
May 10, 2017	Conference Day
May 11, 2017	Conference Day
May 12, 2017	Travel Day Only

Special Districts Legislative Days

May 15, 2017	Travel Day Only – Director Mack received \$150.00 per diem as the Rainbow representative to CSDA
May 16, 2017	Conference Day
May 17, 2017	Conference Day

Director Mack is requesting retroactive compensation in the amount of \$150.00 for May 10-12, 2017 as well as May 16-17, 2017 totaling \$750 in addition to the \$300 already paid.

The purpose of this item is for the Board to consider honoring Director Mack's request.

POLICY/STRATEGIC PLAN KEY FOCUS AREA

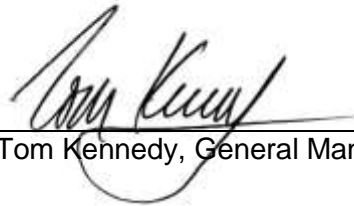
Strategic Focus Area Three: Workforce Development

BOARD OPTIONS/FISCAL IMPACTS

- 1) The Board honors Director Mack's request for retroactive compensation for conferences attended in May, 2017.
- 2) The Board honors Director Mack's request for retroactive compensation for conferences attended in May, 2017 with adjustments.
- 3) The Board denies Director Mack's request for retroactive compensation for conferences attended in May, 2017.

STAFF RECOMMENDATION

Staff supports Board direction.



Tom Kennedy, General Manager

9/26/17

MEETINGS/SEMINARS/CONFERENCES/WORKSHOPS

VARIABLE					
DATE	2017	MEETING	LOCATION	ATTENDEES	POST
October	12	SDCWA Special Board Meeting	SDCWA	GM	N/A
October	*	CSDA – San Diego Chapter	(Location to be Announced) 6:00 p.m.	Mack	N/A
October	*	LAFCO Special Meeting	County Admin Center, Room 302 – 9:30am	(As Advised by GM)	N/A
October	17	Santa Margarita Watershed Council	Rancho California Water District	Hamilton	N/A

* To Be Announced

MEETINGS/SEMINARS/CONFERENCES/WORKSHOPS

RECURRING					
DATE	2017	MEETING	LOCATION	ATTENDEES	POST
October	2	LAFCO	County Admin. Center Room 302 9:00 am	As Advised by GM	N/A
October	2	Communications Committee Mtg.	RMWD Board Room 3:30 p.m.	Appointed Director, General Manager	9/28
October	4	Engineering Committee Meeting	RMWD Board Room 3:00 p.m.	Appointed Director, General Manager	9/28
October	10	Budget & Finance Committee Mtg.	RMWD Board Room 1:00 p.m.	Appointed Director, General Manager	9/28
October	17	SDCWA GM's Meeting	SDCWA, San Diego 9:30 a.m.	General Manager	N/A
October	17	Council of Water Utilities	Stoneridge Country Club 7:15 a.m. Poway	All Directors, General Manager	9/12
October	20	LAFCO Advisory Committee	LAFCO, 9335 Hazard Way, 9:30 a.m.	General Manager	N/A
October	20	NC Managers	Golden Egg 7:45 a.m.	General Manager	N/A
October	24	RMWD General Board	RMWD Board Room (Start Time to Be Determined)	All Directors	10/10
October	25	North County Water Group	Rincon Del Diablo, Escondido 7:30 a.m.	All Directors on a Rotating Schedule, General Manager	N/A
October	25	San Luis Rey Watershed Council	Pala Administration Building 1:00 p.m.	Stewart	N/A
October	26	SDCWA Full Board Meeting	SDCWA Board Room, 3-5 p.m.	General Manager	N/A

MEETINGS/SEMINARS/CONFERENCES/WORKSHOPS

- **CHANGES – ADDITIONS - DELETIONS:**

BOARD OF DIRECTORS

September 26, 2017

SUBJECT

Operations Report for August 2017

DESCRIPTION

Activities for Operations & Maintenance Division

CONSTRUCTION & MAINTENANCE:

The Valve Maintenance crew exercised a total of 199 valves this month due to other emergencies, and supported Engineering with ongoing projects. The crew assisted with fourteen (14) planned shutdowns for the Construction crew, and contractors on water main tie-ins for the newer development within the District's service area. They also performed maintenance on eight (8) PRV stations as well as completed 202 Dig Alert tickets/mark-outs for the District.

The Construction crews repaired eleven (11) leaks, seven water main and four (4) service leaks. The crew performed seventeen (17) planned/emergency shutdowns. They also installed and/or repaired three (3) appurtenances and installed a 6" and a 12" gate valve. The Construction staff also prepared to start excavating jobs for valve replacement. The crews maintained District easements as well as completed work at the District Yard. The pressure station in the Vista Valley community is in progress as well. Some of the C&M staff also assisted the Meter and Wastewater crews.

The District's mechanic completed a total of (37) District vehicles with regular *scheduled* preventative maintenance and/or repairs. All repairs and maintenance were logged into the Mitchel program. The following maintenance and/or repairs were considered *unscheduled*:

- Emergency Equipment Monthly Inspection & test (7)
- Vehicle Maintenance (12)
- Vehicles with Emergency Repairs (4)
- Small Equipment (4)
- Off-Road Equipment / Trailers Repairs & Maintenance (1)
- Off-Road Equipment / Trailer Emergency Repairs (2)
- Large Vehicle Maintenance / Repairs (5)
- Large Equipment Emergency Repairs (1)
- Lift Station # 4 Troubleshoot and Repair (1)

WATER OPERATIONS:

- Completed 13 monthly tank and 3 reservoir cover inspections.
- Completed weed abatement at Hutton/Turner Tanks, Morro Reservoir and Huntley Pump Station.
- Conducted vibration test performance on Pump #4 gear drive at Rainbow Heights Pump Station.

- Dosed Rainbow Heights and U-2 Tanks with sodium hypochlorite.
- Repaired new Pressure Station at Horse Creek Ranch development.
- Performed routine/preventative at Morro Chlorine Station.
- Made system adjustments to feed Morro Zone from Pala Mesa Tank / Operation still in progress.
- Fire flow testing performed and completed in the Morro Tank Zone.
- Assisted Water Quality Department with seven (7) water quality complaints.
- Repositioned sodium hypochlorite injection point at Morro Station for upcoming IEC tests.

Water Quality:

- 22 Routine coliform samples
- 17 Nitrification samples
- 5 Water quality complaint (odor complaints, dead end line flushed)
- 5 Special samples
- 460 Backflows tested

CA State Mandated Special Lead Testing in Schools:

- 5 special lead samples taken by RMWD Staff requested by Superintendent of Vallecitos Elementary School in Rainbow. Babcock Labs reported no lead detection at all sample locations.

WASTEWATER:

Monthly, Semi Annual and Annual Reports:

August 2017: California Integrated Water Quality System (CIWQS): Confirmation #2494477 Reported "No Spill Report".

August 2017: No Megging - Will place routine on a quarterly basis at Lift Stations (#'s 1 – 6)

Lift Stations Pumps / Preventative Maintenance:

<u>Date</u>	<u>Location</u>	<u>Cause</u>
August 5, 2017	Lift Station #1	High level alarm, plugged Pump #2
August 8, 2017	Lift Station #2	Swapped flush valve from Wet Well #1 to Wet Well #2
August 29, 2017	Lift Station #3	Pump inspection and replaced bubbler line to compressor
August 17 – August 23, 2017		Easement clearing @ Malabar Ranch Estates

Lift Station Generators:

Lift Station #1 August 16, 2017: PM Service on emergency generator drained & replaced oil, replaced air filter, check all fluids and topped off, visual check on all hoses and fittings. Tested battery and cleaned terminals. Hrs.: 335.8 – 336.0 = 0.2 hrs.

Lift Station #2 August 16, 2017: PM Service on emergency generator drained & replaced oil, replaced air filter, check all fluids and topped off, visual check on all hoses and fittings. Tested battery and cleaned terminals. Hours: 176.6 – 176.8 = .2 hrs.

Lift Station #3 August 16, 2017: PM Service on emergency generator drained & replaced oil, replaced air filter, check all fluids and topped off, visual check on all hoses and fittings. Tested battery and cleaned terminals. Hours: 587.2 – 587.4 = 0.2 hrs.

Lift Station #4 August 16, 2017: PM Service on emergency generator drained & replaced oil, replaced air filter, check all fluids and topped off, visual check on all hoses and fittings. Tested battery and cleaned terminals. Hours: 1022.1 - 1022.2 = 0.1 hrs.

Lift Station #6 August 16, 2017: PM Service on emergency generator drained & replaced oil, replaced air filter, check all fluids and topped off, visual check on all hoses and fittings. Tested battery and cleaned terminals. Hours: 342.9 – 343.1 = 0.2 hrs.

Sewer Line Cleaning:

Dates:

July 27,2017 – August 2, 2017: 2,902' sewer line cleaned @ La Canada, Thoroughbred Lane

August 03, 2017 – August 9, 2017: 10,742' sewer line cleaned @ Malabar, La Canada, Thoroughbred Lane, Siphon.

August 10,2017 – August 16, 2017: 5,480' sewer line cleaned @ Via Monserate, Malabar

August 17,2017 – August 23, 2017: 3,487' sewer line cleaned @ Malabar Ranch

August 24,2017 – August 30, 2017: 5,662' sewer line cleaned @ La Canada, Hillrise, Lake Sycamore, Sweetgrass, and Ramona Drive.

Total sewer lines cleaned: **28,273'**

High Frequency Cleaning:

August 11, 2017: Cleaned 1410' of 8" & 10" siphon/sewer lines.

Total sewer lines cleaned: **1,410'**

Manhole Inspections:

Dates:

July 27, 2017 – August 2, 2017: 15 manholes inspected @ La Canada, Thoroughbred Lane

August 03, 2017 – August 9, 2017: 42 manholes inspected @ Malabar, La Canada, Thoroughbred Lane

August 10, 2017 – August 16, 2017: 38 manholes inspected @ Via Monserate, Malabar

August 17, 2017 – August 23, 2017: None

August 24, 2017 – August 30, 2017: 26 manholes inspected @ La Canada, Hillrise, Lake Sycamore, Sweetgrass, Ramona Drive.

Total manholes inspected for month of April 2017: **121**

CCTV/CONTRACTOR

August 01,2017 – August 31, 2017: 426' sewer lines televised (Pala Mesa)

Total lines CCTV inspected: 426'

Smart/Cover Alarm Units:

San Luis Rey Siphon Map Page N 3 MH 47 Aug 03, 2017 - Intrusion alarm

San Luis Rey Siphon Map Page N 3 MH 47 Aug 07, 2017 - Intrusion alarm

San Luis Rey Siphon Map Page N 3 MH 47 Aug 22, 2017 - Alarm storm

EMPLOYEE RECOGNITION – OPERATIONS DIVISION:

District's Monthly "Excellence Program" Coin Award Winners

Responsibility:

- Joe Perreira

Professionalism:

- Steve Coffee
- Chris Heincy



Darren S. Milner
Operations Manager

9/26/17

BOARD OF DIRECTORS

September 26, 2017

SUBJECT

Engineering Report for August 2017

DESCRIPTION

CAPITAL PROJECTS:

Bonsall Basin Imported Return Flow: Proposal received and is under review by Staff.

Condition Assessment of Water Facilities: The Consultant is working on the technical memorandum.

Gird to Monserate Hill: Bid documents pending new alignment. Staff working on alignment with minimal environmental impacts.

Horse Creek Lift Station: Developer started construction. The Lift Station is scheduled to be completed by March 2018.

Highway 76 East Segment: Contractor is coating manholes and rectifying the punch list.

Knottwood Way Waterline Improvements: Construction of waterline is near completion.

Lift Station 1 Replacement: The property has been fenced in and the lift station design is underway.

Moosa Crest Waterline (Emergency) Project: Contractor installed the bridge on September 5, 2017; began installation of the 16" pipe; and will proceed with testing of the pipeline.

Pump Station #1 Upgrades: Staff reviewing 90% design submittal.

Water / Wastewater Asset Cost & Capacity Fee Study: Board approved new capacity fees effective August 1, 2017.

Wastewater Outfall Replacement: Project on hold until further evaluation from local water alternatives. Project may take the form of rehabilitation with equalization basin.

Weese Filtration Plant Interconnect: Consultant is working on 60% design submittal.

DEVELOPER PROJECTS:

Golf Green Estates – Rio Estrella: (near Lift Station 1): 94 SFR planned across from Bonsall Elementary School. Contractor installing 8" onsite sewerline and 8" onsite waterline. Sewer testing was completed for phase one. Potable water main testing completed for phase one and two.

Horse Ranch Creek Ridge (D.R. Horton - formally Campus Park, Passerelle): 850 WMs / 850 EDUs – Off of Highway 76 and Horse Ranch Creek Road. The Contractor has begun grading and construction of the lift station on Pankey Road, in addition to installing the gravity sewer within Horse Ranch Creek Road. Models to be completed by Fall 2017.

Malabar Ranch: 31 WMs / 29 EDUs - There are 17 out of 31 homes built. Contractor shall complete waterline relocation and punch list items.

Nessy Burger: Nessy Burger's is proposing to install a permanent building. Plan check two completed.

Pala Mesa Highlands: 124 Lots on Old Highway 395. Staff reviewing submittals from new Contractor. Preparing punch list for existing contractor.

Palomar College: Plan check complete for sewer extension.

OTHER:

ITEMS	NO#	ITEMS	NO#
Water Availability Letters	1	Water Meters Purchased	46
Sewer Availability Letters	0	Sewer EDUs Purchased	0
Water Commitment Letters	0	Developer Shutdowns	0
Sewer Commitment Letters	0	Jobs Closed:	0



Michael Powers
Acting Engineering Manager

9/26/17



BOARD INFORMATION

BOARD OF DIRECTORS

September 14, 2017

SUBJECT

August: Customer Service & Meter Services

DESCRIPTION

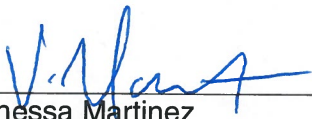
METER SERVICES:

Meter Services completed 714 service orders. Here is a summary of the most pertinent service orders shown by category.

SERVICE ORDERS	COMPLETED
Check Reads	550
Transfers	74
Locked	19
Unlocked	10
Pressure Calls	29
Leaks	82
Drought	0

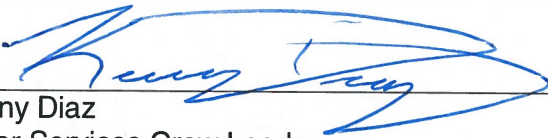
CUSTOMER SERVICE & METER SERVICES:

Nothing to report



Vanessa Martinez
Finance Manager

9/14/17
9/14/2017



Kenny Diaz
Meter Services Crew Leader

9/14/17
9/14/2017



BOARD INFORMATION

BOARD OF DIRECTORS

September 26, 2017

SUBJECT

HUMAN RESOURCES REPORT FOR AUGUST/SEPTEMBER 2017

DESCRIPTION

Personnel changes, human resources activities, and safety report for August/September 2017

PERSONNEL CHANGES:

- The IT Administrator separated from the District in August. Until a replacement is hired, the District has contracted with Ostari to provide IT user support and keep IT projects moving forward.
- The Purchasing / Warehouse Technician is continuing a leave of absence that has been extended until October. An employee from Valve Maintenance has temporarily transferred into the position until the regular employee returns.
- One employee from Valve Maintenance began a leave of absence in September that is expected to last up to three months.
- The Engineering Manager began a leave of absence in September that is expected to last until December or January.
- Gina De La Cerda started as the new full-time Customer Service Representative on September 13, 2017.
- One temporary Customer Service Representative will continue filling in until the IVR phone system is installed, but will stay no longer than December.

RECRUITMENT:

Customer Service Representative I

After interviewing eight of the top applicants on August 15, 2015, the hiring panel identified two highly qualified candidates to invite for a second round of interviews before making an offer. The final selected candidate's work experience includes several years as an Operations Manager for Advanced Microcomputing Concepts and as a Help Desk Supervisor and Project Lead for Lockheed Martin IT serving NASA's Jet Propulsion Laboratory.

BENEFITS:

Health Insurance Renewal Rates for 2018

Renewal rates for 2018 will increase by the following amounts for the health insurance plans we currently offer:

Anthem PPO – 4.5%
Anthem HMO – 8.26%
Anthem CDHP – 4.5%
Traditional Kaiser HMO – 13.05%
Kaiser CDHP – 13.04%

EMPLOYEE RECOGNITION:

Excellence Coin Awards

The following coins were issued in August:

Responsibility	Joe Ferreira – With the Inspector out unexpectedly, Joe jumped in to help the Engineering department and still did his own job during that time as well, even coming in on his Friday off to get everything done. With his help, all the projects stayed on pace, and he filled everyone in quickly when they returned.
Professionalism	Steve Coffey and Chris Heincy – Based upon a letter from two customers who wrote to the Board to compliment them on their customer service and professionalism.
Innovation	Sherry Kirkpatrick - On the Knottwood Way project, Shery identified that switching the direction of the pressure reducing station would allow for the regulation of pressure for a while neighborhood of customers. The identification of this type of solution is innovative and very helpful for our customers and crews.

TRAINING AND DEVELOPMENT:

Public Employer Labor Relations Association of California (PELRAC) Conference

The Human Resources Manager is scheduled to attend the PELRAC conference in Santa Barbara from October 4 – 6th.

Cal-OSHA Crystalline Silica Dust Requirements

The Safety Administrator will attend an ACWA-JPIA course that will cover the new Cal-OSHA requirements to protect employees from silica dust on September 27th.

NEOGOV:

Insight Module

Since implementation in December, the District has accumulated over 1,890 subscriptions for email notifications for job opportunities.

Onboard Module

The implementation process for the second module, Onboard, was completed on September 7th. The new Customer Service Representative was the first employee to complete the Onboard process all online. Training meetings with Departments and Bargaining Units will be scheduled shortly to further enhance the use of the system.

Perform Module

The Perform Module is how we will shift our performance evaluation process to an online process that promises to be more efficient, useful, and meaningful to employees. Kickoff for implementation of this module is expected to begin in October.

SAFETY:

Incidents

As of the day of the Board meeting, it will be 972 days since our last lost time injury. It has been 63 days since the last worker's compensation claim.

Safety Training

Target Solutions online training: 42 completions for August 2017.

Tailgate Trainings

- Hotwork: 24 Employees
Hot work is any process that can be a source of ignition when flammable material is present or can be a fire hazard regardless of the presence of flammable material in the workplace. Common hot work processes are welding, soldering, cutting and brazing. When flammable materials are present processes such as grinding and drilling become hot work processes.
- Back Health: 25 Employees
-



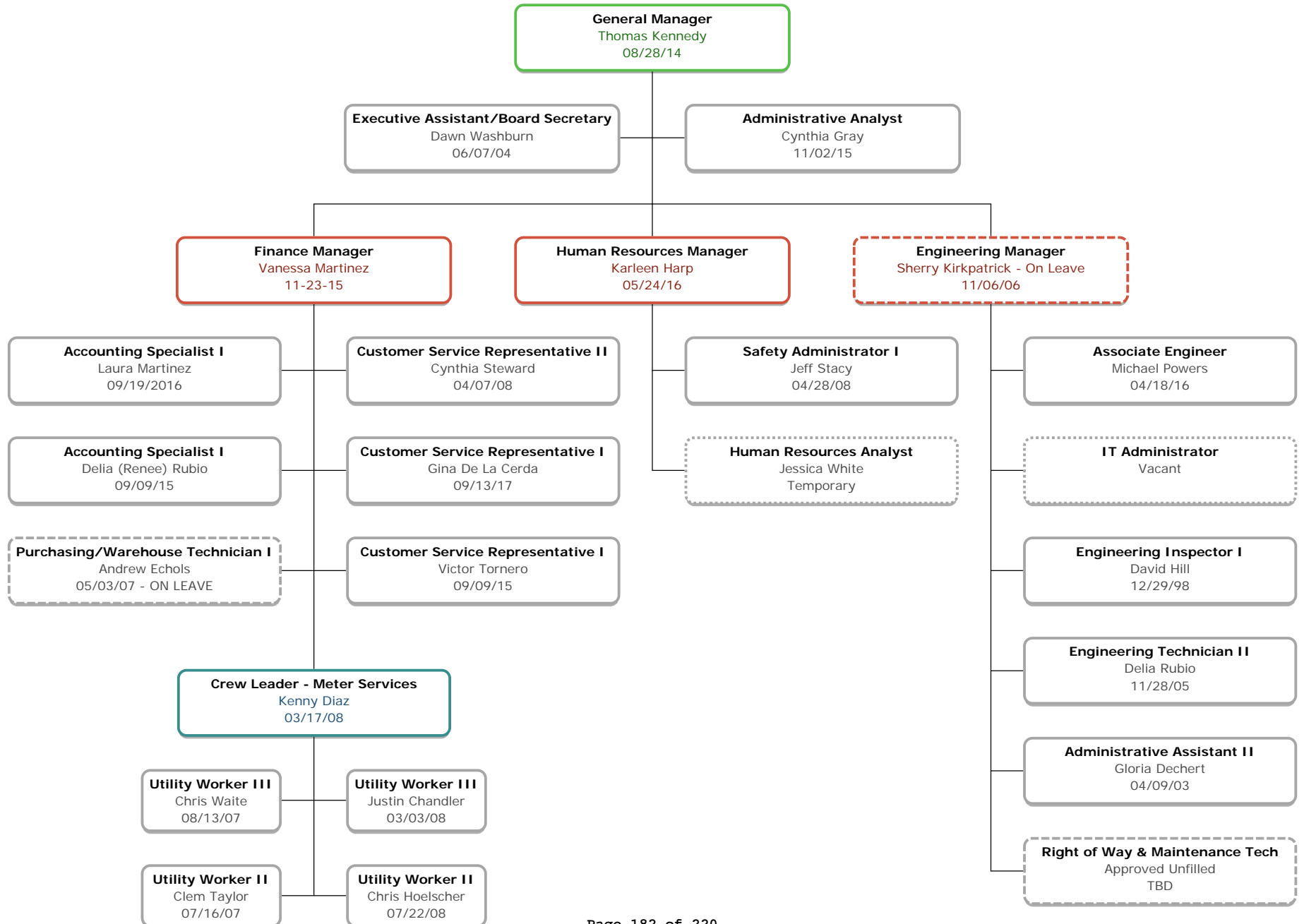
Karleen Harp, COSM
Human Resources Manager

09/26/2017

**RAINBOW MUNICIPAL WATER DISTRICT
ORGANIZATIONAL CHART
PAGE 1 OF 2**

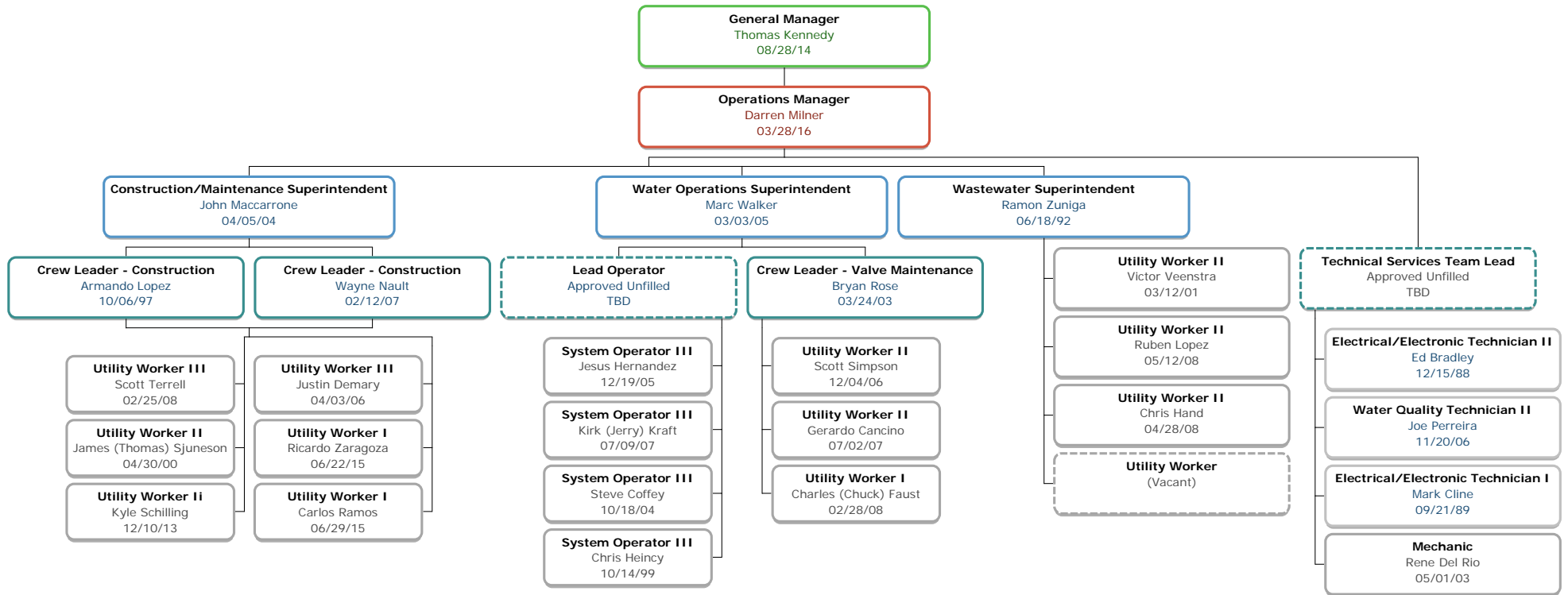
Creation Date 8/21/2014

Last Modified 9/13/2017



Creation Date 8/21/2014

Last Modified 9/13/2017



General Ledger

Interim Financials

Period: JULY-17



Account Number	Description	Budget Amount	Period Amount	YTD Amount	YTD Variance	Encumbered Amount	Amount Available	% Available
Fund 01	WATER FUND							
Department 01-00								
	Water Revenue							
01-00-41110	Water Sales-SF, MF, CM, IS	7,210,100	806,023	806,023	6,404,077	0	6,404,077	89%
01-00-41115	Water Sales-Domestic-Unbilled	0	0	0	0	0	0	0%
01-00-41120	Water Sales-Agriculture Dom	1,086,300	116,110	116,110	970,190	0	970,190	89%
01-00-41125	Water Sales-Ad Noncert Unbilled	0	0	0	0	0	0	0%
01-00-41130	Water Sales-Ag/Dom Met Cert	0	0	0	0	0	0	0%
01-00-41160	Water Sales- Agriculture	4,120,500	491,093	491,093	3,629,407	0	3,629,407	88%
01-00-41165	Water Sales-Ag.Nondis Unbilled	0	0	0	0	0	0	0%
01-00-41170	Water Sales-Construction	224,700	17,551	17,551	207,149	0	207,149	92%
01-00-41175	Water Sales-Construction-Unbil	0	0	0	0	0	0	0%
01-00-41180	Water Sales - TSAWR Com	4,162,600	600,769	600,769	3,561,831	0	3,561,831	86%
01-00-41185	Water Sales-Sawr Ag Unbilled	0	0	0	0	0	0	0%
01-00-41190	Water Sales- TSAWR Dom	6,164,200	836,316	836,316	5,327,884	0	5,327,884	86%
01-00-41195	Water Sales Sawr Ag/D Unbilled	0	0	0	0	0	0	0%
01-00-42120	Monthly O&M Charges - Rainbow	5,593,500	461,537	461,537	5,131,963	0	5,131,963	92%
01-00-42121	Monthly O&M Charges - CWA	5,744,570	466,409	466,409	5,278,161	0	5,278,161	92%
01-00-42130	Readiness-To-Serve Rev Id#1	290,000	0	0	290,000	0	290,000	100%
01-00-42140	Pumping Charges	579,622	59,971	59,971	519,651	0	519,651	90%
01-00-43101	Operating Inc Turn On/Off Fees	5,000	450	450	4,550	0	4,550	91%
01-00-43104	Operating Inc. R.P. Charges	273,775	22,893	22,893	250,882	0	250,882	92%
01-00-43106	Operating Inc Water Letter Fee	0	0	0	0	0	0	0%
01-00-43109	Operating Inc Inspections	100,000	15,332	15,332	84,668	0	84,668	85%
01-00-43110	Operating Inc Plans And Specs	1,000	0	0	1,000	0	1,000	100%
01-00-43111	Operating Inc Install Fees,Hyd	3,500	460	460	3,040	0	3,040	87%
01-00-43114	Operating Inc-Miscellaneous	8,000	594	594	7,406	0	7,406	93%
01-00-43116	New Meter Sales/Install Parts	55,000	14,895	14,895	40,105	0	40,105	73%
01-00-43117	Notice Delivery Revenue	40,000	3,080	3,080	36,920	0	36,920	92%
	Water Revenue Sub Totals:	35,662,367	3,913,484	3,913,484	31,748,883	0	31,748,883	89%
	Interest Income							
01-00-49201	Interest Revenues-Water Fund	0	0	0	0	0	0	0%
	Interest Income Sub Totals:	0	0	0	0	0	0	0%

General Ledger

Interim Financials

Period: JULY-17



Account Number	Description	Budget Amount	Period Amount	YTD Amount	YTD Variance	Encumbered Amount	Amount Available	% Available
Other Revenue								
01-00-49102	Non Oper Inc-NSF Check Fees	1,500	30	30	1,470	0	1,470	98%
01-00-49109	Non Oper Inc-Miscellaneous	50,000	370	370	49,630	0	49,630	99%
01-00-49301	Property Tax Rev. - Ad Valorem	315,000	0	0	315,000	0	315,000	100%
01-00-49401	Gains/Losses	0	0	0	0	0	0	0%
	Other Revenue Sub Totals:	366,500	400	400	366,100	0	366,100	100%
	Revenue Sub Totals:	36,028,867	3,913,884	3,913,884	32,114,983	0	32,114,983	89%
Cost Of Water Sold								
01-00-50001	Water Purchases	20,556,651	2,202,334	2,202,334	18,354,318	0	18,354,318	89%
01-00-50003	Water In Storage	0	275,130	275,130	-275,130	0	-275,130	0%
01-00-50005	Ready To Serve Charge	519,902	41,309	41,309	478,593	0	478,593	92%
01-00-50006	Infrastructure Access Charge	473,118	41,629	41,629	431,489	0	431,489	91%
01-00-50008	Ag Credit-Sawr	-1,563,157	-109,750	-109,750	-1,453,407	0	-1,453,407	0%
01-00-50009	Seasonal Storage Credit	0	0	0	0	0	0	0%
01-00-50010	Customer Service Charge	1,163,960	95,873	95,873	1,068,087	0	1,068,087	92%
01-00-50011	Capacity Reservation Charge	667,622	39,028	39,028	628,595	0	628,595	94%
01-00-50012	Emergency Storage Charge	1,640,036	132,476	132,476	1,507,560	0	1,507,560	92%
01-00-50013	Supply Reliability Charge	739,391	55,348	55,348	684,043	0	684,043	93%
01-00-52176	Overhead Transfer To Gen Fund	3,843,297	0	0	3,843,297	0	3,843,297	100%
	Cost of Water Sold Sub Totals:	28,040,820	2,773,378	2,773,378	25,267,442	0	25,267,442	90%
Payroll & Employee Expenses								
01-00-56101	Regular Salaries	0	0	0	0	0	0	0%
01-00-56501	Employer's Share FICA SSI	0	0	0	0	0	0	0%
01-00-56502	Employer's Share FICA Medicare	0	0	0	0	0	0	0%
01-00-56503	Medical Ins ACWA Health Ben	0	0	0	0	0	0	0%
01-00-56504	Dental Insurance	0	0	0	0	0	0	0%
01-00-56505	Vision Ins ACWA Serv Corp	0	0	0	0	0	0	0%
01-00-56506	Life, S/T, L/T Disability Ins	0	4,449	4,449	-4,449	0	-4,449	0%
01-00-56507	Retirement - CalPers	0	0	0	0	0	0	0%
01-00-57100	Depreciation Expenses-Curr Yr	0	0	0	0	0	0	0%
	Payroll & Employee Expense Sub Totals:	0	4,449	4,449	-4,449	0	-4,449	0%

General Ledger

Interim Financials

Period: JULY-17



Account Number	Description	Budget Amount	Period Amount	YTD Amount	YTD Variance	Encumbered Amount	Amount Available	% Available
	Transfers Out							
01-00-57000	Transfers Out	1,120,142	0	0	1,120,142	0	1,120,142	100%
	Transfers Sub Totals:	1,120,142	0	0	1,120,142	0	1,120,142	100%
	Expense Sub Totals:	29,160,962	2,777,827	2,777,827	26,383,136	0	26,383,136	90%
	Department 00 Sub Totals:	-6,867,905	-1,136,058	-1,136,058	-5,731,847	0		
Department 01-31	PUMPING							
	Payroll & Employee Expenses							
01-31-56101	Regular Salaries	91,676	1,491	1,491	90,185	0	90,185	98%
01-31-56103	Overtime Paid, Comptime Earned	500	0	0	500	0	500	100%
01-31-56501	Employer's Share FICA SSI	5,684	86	86	5,598	0	5,598	98%
01-31-56502	Employer's Share FICA Medicare	1,329	21	21	1,308	0	1,308	98%
01-31-56503	Medical Ins ACWA Health Ben	19,206	272	272	18,934	0	18,934	99%
01-31-56504	Dental Insurance	1,830	26	26	1,804	0	1,804	99%
01-31-56505	Vision Ins ACWA	236	3	3	233	0	233	99%
01-31-56506	Life, S/T,L/T Disability Ins	1,392	0	0	1,392	0	1,392	100%
01-31-56507	Retirement - CalPers	15,310	151	151	15,159	0	15,159	99%
01-31-56512	Employee Training/Tuition Reimbursed	0	0	0	0	0	0	0%
01-31-56515	Worker's Compensation Ins	3,478	0	0	3,478	0	3,478	100%
01-31-56516	State Unemployment Ins, E.T.T.	252	0	0	252	0	252	100%
01-31-56520	Deferred Comp-Employer Contribution	2,600	34	34	2,566	0	2,566	99%
	Payroll & Employee Expense Sub Totals:	143,493	2,084	2,084	141,409	0	141,409	99%
	Pumping Expenses							
01-31-63100	Equipment Maintenance/Repair	59,000	0	0	59,000	0	59,000	100%
01-31-63401	Building Maintenance	1,500	0	0	1,500	0	1,500	100%
01-31-72000	Supplies & Services	10,000	0	0	10,000	0	10,000	100%
01-31-72150	Regulatory Permits	4,000	0	0	4,000	0	4,000	100%
01-31-73000	Small Tools And Equipment	1,000	0	0	1,000	0	1,000	100%
01-31-78000	Utilities - Electricity	515,000	0	0	515,000	0	515,000	100%
	Pumping Expenses Sub Totals:	590,500	0	0	590,500	0	590,500	100%

General Ledger

Interim Financials

Period: JULY-17



Account Number	Description	Budget Amount	Period Amount	YTD Amount	YTD Variance	Encumbered Amount	Amount Available	% Available
Expense Sub Totals:		733,993	2,084	2,084	731,909	0	731,909	100%
Department 31 Sub Totals:		733,993	2,084	2,084	731,909	0		
Department 01-32	OPERATIONS							
	Payroll & Employee Expenses							
01-32-56101	Regular Salaries	631,710	27,828	27,828	603,882	0	603,882	96%
01-32-56103	Overtime Paid, Comptime Earned	50,000	1,962	1,962	48,038	0	48,038	96%
01-32-56501	Employer's Share FICA SSI	39,166	1,748	1,748	37,418	0	37,418	96%
01-32-56502	Employer's Share FICA Medicare	9,160	438	438	8,722	0	8,722	95%
01-32-56503	Medical Ins ACWA Health Ben	127,948	5,415	5,415	122,533	0	122,533	96%
01-32-56504	Dental Insurance	11,894	517	517	11,377	0	11,377	96%
01-32-56505	Vision Ins ACWA	1,535	67	67	1,468	0	1,468	96%
01-32-56506	Life, S/T,L/T Disability Ins	9,258	0	0	9,258	0	9,258	100%
01-32-56507	Retirement - CalPers	105,496	2,691	2,691	102,805	0	102,805	97%
01-32-56512	Employee Training/Tuition Reimbursed	13,000	180	180	12,820	0	12,820	99%
01-32-56515	Worker's Compensation Ins	23,967	0	0	23,967	0	23,967	100%
01-32-56516	State Unemployment Ins, E.T.T.	1,638	0	0	1,638	0	1,638	100%
01-32-56518	Duty Pay	13,000	600	600	12,400	0	12,400	95%
01-32-56520	Deferred Comp-Employer Contribution	14,040	632	632	13,408	0	13,408	95%
	Payroll & Employee Expense Sub Totals:	1,051,812	42,078	42,078	1,009,734	0	1,009,734	96%
	Water Operation Expenses							
01-32-60000	Electronics	8,500	0	0	8,500	0	8,500	100%
01-32-63100	Equipment Maintenance/Repairs	17,800	0	0	17,800	0	17,800	100%
01-32-63102	Equipment Maintenance Contract	48,000	-523	-523	48,523	0	48,523	101%
01-32-63401	Building Maintenance	1,000	0	0	1,000	0	1,000	100%
01-32-72000	Supplies And Services	222,000	4,856	4,856	217,144	561	216,583	98%
01-32-72010	Tank Maintenance	599,043	0	0	599,043	0	599,043	100%
01-32-72150	Regulatory Permits	43,000	0	0	43,000	0	43,000	100%
01-32-72400	Dues & Subscriptions	0	0	0	0	0	0	0%
01-32-72700	Printing & Reproductions	6,000	0	0	6,000	0	6,000	100%
01-32-73000	Small Tools And Equipment	7,500	0	0	7,500	0	7,500	100%
01-32-75300	Travel/Conf/Training	2,000	0	0	2,000	0	2,000	100%

General Ledger

Interim Financials

Period: JULY-17



Account Number	Description	Budget Amount	Period Amount	YTD Amount	YTD Variance	Encumbered Amount	Amount Available	% Available
01-32-78000	Utilities	13,500	87	87	13,413	0	13,413	99%
01-32-82000	Capital Equipment	15,000	0	0	15,000	0	15,000	100%
	Water Operation Expenses Sub Totals:	983,343	4,420	4,420	978,923	561	978,362	99%
	Expense Sub Totals:	2,035,155	46,498	46,498	1,988,657	561	1,988,096	98%
	Department 32 Sub Totals:	2,035,155	46,498	46,498	1,988,657	561		
Department 01-33	VALVE MAINTENANCE							
	Payroll & Employee Expenses							
01-33-56101	Regular Salaries	317,813	8,062	8,062	309,751	0	309,751	97%
01-33-56103	Overtime Paid, Comptime Earned	5,000	0	0	5,000	0	5,000	100%
01-33-56501	Employer's Share FICA SSI	19,704	452	452	19,252	0	19,252	98%
01-33-56502	Employer's Share FICA Medicare	4,608	114	114	4,494	0	4,494	98%
01-33-56503	Medical Ins ACWA Health Ben	79,241	1,895	1,895	77,346	0	77,346	98%
01-33-56504	Dental Insurance	7,319	175	175	7,144	0	7,144	98%
01-33-56505	Vision Ins ACWA	944	23	23	921	0	921	98%
01-33-56506	Life, S/T,L/T Disability Ins	4,808	0	0	4,808	0	4,808	100%
01-33-56507	Retirement - CalPers	53,075	815	815	52,260	0	52,260	98%
01-33-56512	Employee Training/Tuition Reimbursed	2,000	0	0	2,000	0	2,000	100%
01-33-56515	Worker's Compensation Ins	12,058	0	0	12,058	0	12,058	100%
01-33-56516	State Unemployment Ins, E.T.T.	1,008	0	0	1,008	0	1,008	100%
01-33-56520	Deferred Comp-Employer Contribution	8,450	217	217	8,233	0	8,233	97%
	Payroll & Employee Expense Sub Totals:	516,028	11,751	11,751	504,277	0	504,277	98%
	Valve Maintenance Expenses							
01-33-72000	Supplies And Services	50,000	6,208	6,208	43,792	3,071	40,721	81%
01-33-73000	Small Tools And Equipment	1,500	0	0	1,500	0	1,500	100%
01-33-75300	Travel/Conferences/Training	1,000	0	0	1,000	0	1,000	100%
01-33-82000	Shop And Field Equipment	50,000	0	0	50,000	0	50,000	100%
	Valve Maintenance Expenses Sub Totals:	102,500	6,208	6,208	96,292	3,071	93,221	91%
	Expense Sub Totals:	618,528	17,959	17,959	600,569	3,071	597,498	97%
	Department 33 Sub Totals:	618,528	17,959	17,959	600,569	3,071		

General Ledger

Interim Financials

Period: JULY-17



Account Number	Description	Budget Amount	Period Amount	YTD Amount	YTD Variance	Encumbered Amount	Amount Available	% Available
Department 01-34	WATER DISTRIBUTION							
	Payroll & Employee Expenses							
01-34-56101	Regular Salaries	938,806	24,642	24,642	914,164	0	914,164	97%
01-34-56103	Overtime Paid, Comptime Earned	140,000	5,487	5,487	134,513	0	134,513	96%
01-34-56501	Employer's Share FICA SSI	58,206	1,728	1,728	56,478	0	56,478	97%
01-34-56502	Employer's Share FICA Medicare	13,613	435	435	13,178	0	13,178	97%
01-34-56503	Medical Ins ACWA Health Ben	195,337	6,450	6,450	188,887	0	188,887	97%
01-34-56504	Dental Insurance	17,991	604	604	17,387	0	17,387	97%
01-34-56505	Vision Ins ACWA	2,479	83	83	2,396	0	2,396	97%
01-34-56506	Life, S/T,L/T Disability Ins	13,551	0	0	13,551	0	13,551	100%
01-34-56507	Retirement - CalPers	156,781	2,271	2,271	154,510	0	154,510	99%
01-34-56512	Employee Training/Tuition Reimbursed	7,000	0	0	7,000	0	7,000	100%
01-34-56515	Worker's Compensation Ins	36,490	0	0	36,490	0	36,490	100%
01-34-56516	State Unemployment Ins, E.T.T.	2,646	0	0	2,646	0	2,646	100%
01-34-56518	Duty Pay	13,000	600	600	12,400	0	12,400	95%
01-34-56520	Deferred Comp-Employer Contribution	24,960	780	780	24,180	0	24,180	97%
	Payroll & Employee Expense Sub Totals:	1,620,860	43,081	43,081	1,577,779	0	1,577,779	97%
	Water Distribution Expenses							
01-34-63100	Equipment Rental	0	0	0	0	0	0	0%
01-34-72000	Supplies And Services	403,000	25,575	25,575	377,425	9,933	367,492	91%
01-34-73000	Small Tools And Equipment	4,000	0	0	4,000	0	4,000	100%
01-34-75300	Travel/Conferences/Meetings	4,000	0	0	4,000	0	4,000	100%
01-34-82000	Shop And Field Equipment	0	0	0	0	25,300	-25,300	0%
	Water Distribution Expenses Sub Totals:	411,000	25,575	25,575	385,425	35,233	350,193	85%
	Expense Sub Totals:	2,031,860	68,656	68,656	1,963,204	35,233	1,927,971	95%
	Department 34 Sub Totals:	2,031,860	68,656	68,656	1,963,204	35,233		
Department 01-35	METER SERVICES							
	Payroll & Employee Expenses							
01-35-56101	Regular Salaries	443,481	16,759	16,759	426,722	0	426,722	96%
01-35-56103	Overtime Paid, Comptime Earned	3,000	764	764	2,236	0	2,236	75%
01-35-56501	Employer's Share FICA SSI	27,496	994	994	26,502	0	26,502	96%

General Ledger

Interim Financials

Period: JULY-17



Account Number	Description	Budget Amount	Period Amount	YTD Amount	YTD Variance	Encumbered Amount	Amount Available	% Available
01-35-56502	Employer's Share FICA Medicare	6,430	250	250	6,180	0	6,180	96%
01-35-56503	Medical Ins ACWA Health Ben	88,794	3,976	3,976	84,818	0	84,818	96%
01-35-56504	Dental Insurance	10,064	426	426	9,638	0	9,638	96%
01-35-56505	Vision Ins ACWA	1,298	56	56	1,242	0	1,242	96%
01-35-56506	Life, S/T, L/T Disability Ins	6,720	0	0	6,720	0	6,720	100%
01-35-56507	Retirement - CalPers	74,061	1,654	1,654	72,407	0	72,407	98%
01-35-56512	Employee Training/Tuition Reimbursed	2,000	50	50	1,950	0	1,950	98%
01-35-56515	Worker's Compensation Ins	19,357	0	0	19,357	0	19,357	100%
01-35-56516	State Unemployment Ins, E.T.T.	1,386	0	0	1,386	0	1,386	100%
01-35-56520	Deferred Comp-Employer Contribution	13,000	550	550	12,450	0	12,450	96%
01-35-56524	Other Post Employment Benefits	0	0	0	0	0	0	0%
	Payroll & Employee Expense Sub Totals:	697,087	25,479	25,479	671,608	0	671,608	96%
	Meter Services Expenses							
01-35-63404	Backflow Expenses	280,000	0	0	280,000	0	280,000	100%
01-35-72000	Supplies & Services	125,000	14,003	14,003	110,997	4,005	106,991	86%
01-35-73000	Small Tools And Equipment	3,000	0	0	3,000	0	3,000	100%
01-35-75300	Replacement Reserve-Oceanside	1,000	0	0	1,000	0	1,000	100%
01-35-82000	Shop And Field Equipment	135,000	1,753	1,753	133,247	0	133,247	99%
	Meter Services Expenses Sub Totals:	544,000	15,756	15,756	528,244	4,005	524,238	96%
	Expense Sub Totals:	1,241,087	41,235	41,235	1,199,852	4,005	1,195,846	96%
	Department 35 Sub Totals:	1,241,087	41,235	41,235	1,199,852	4,005		
	Fund Revenue Sub Totals:	36,028,867	3,913,884	3,913,884	32,114,983	0	32,114,983	89%
	Fund Expense Sub Totals:	35,821,585	2,954,259	2,954,259	32,867,326	42,870	32,824,456	92%
	Fund 01 Sub Totals:	-207,282	-959,625	-959,625	752,343	42,870		

General Ledger

Interim Financials

Period: JULY-17



Account Number	Description	Budget Amount	Period Amount	YTD Amount	YTD Variance	Encumbered Amount	Amount Available	% Available
Fund 02	SEWER FUND							
Department 02-00	Wastewater Revenue							
02-00-41110	Sewer Charges-Established Acct	2,250,000	204,956	204,956	2,045,044	0	2,045,044	91%
02-00-41210	Sewer Charges-Developing Accts	100,000	8,389	8,389	91,611	0	91,611	92%
02-00-43101	Sewer-Oakcrest Service Charges	20,000	1,950	1,950	18,050	0	18,050	90%
02-00-43106	Operating Inc-Sewer Letter Fee	500	0	0	500	0	500	100%
02-00-43110	Operating Inc-Plan Chk/Ins Fee	10,000	0	0	10,000	0	10,000	100%
02-00-49109	Non-Operating Revenue	5,000	0	0	5,000	0	5,000	100%
	Wastewater Revenue Sub Totals:	2,385,500	215,295	215,295	2,170,205	0	2,170,205	91%
	Other Revenue							
02-00-49301	Property Tax Rev - Ad Valorem	35,000	0	0	35,000	0	35,000	100%
02-00-49401	Gains/Losses	0	0	0	0	0	0	0%
	Other Revenue Sub Totals:	35,000	0	0	35,000	0	35,000	100%
	Revenue Sub Totals:	2,420,500	215,295	215,295	2,205,205	0	2,205,205	91%
	Wastewater Expenses							
02-00-52176	Overhead Transfer to General Fund	901,514	0	0	901,514	0	901,514	100%
02-00-57100	Depreciation Expenses - Current Year	0	0	0	0	0	0	0%
	Wastewater Expenses Sub Totals:	901,514	0	0	901,514	0	901,514	100%
	Expense Sub Totals:	901,514	0	0	901,514	0	901,514	100%
	Department 00 Sub Totals:	-1,518,986	-215,295	-215,295	-1,303,691	0		
Department 02-61	WASTEWATER							
	Payroll & Employee Expenses							
02-61-56101	Regular Salaries	414,843	19,904	19,904	394,939	0	394,939	95%
02-61-56103	Overtime Paid, Comp Time Earn.	35,000	2,096	2,096	32,904	0	32,904	94%
02-61-56501	Employer's Share FICA SSI	25,720	1,286	1,286	24,434	0	24,434	95%
02-61-56502	Employer's Share FICA Medicare	6,015	318	318	5,697	0	5,697	95%
02-61-56503	Medical Ins ACWA Health Ben	100,059	4,056	4,056	96,003	0	96,003	96%

General Ledger

Interim Financials

Period: JULY-17



Account Number	Description	Budget Amount	Period Amount	YTD Amount	YTD Variance	Encumbered Amount	Amount Available	% Available
02-61-56504	Dental Insurance	9,149	373	373	8,776	0	8,776	96%
02-61-56505	Vision Ins ACWA	1,180	48	48	1,132	0	1,132	96%
02-61-56506	Life, S/T,L/T Disability Ins	6,182	0	0	6,182	0	6,182	100%
02-61-56507	Retirement - CalPers	69,279	1,417	1,417	67,862	0	67,862	98%
02-61-56512	Employee Training/Tuition Reimbursed	3,000	0	0	3,000	0	3,000	100%
02-61-56515	Worker's Compensation Ins	19,333	0	0	19,333	0	19,333	100%
02-61-56516	State Unemployment Ins, E.T.T.	1,260	0	0	1,260	0	1,260	100%
02-61-56518	Duty Pay	13,000	500	500	12,500	0	12,500	96%
02-61-56520	Deferred Comp-Employer Contribution	11,050	438	438	10,612	0	10,612	96%
02-61-56524	Other Post Employment Benefits	0	0	0	0	0	0	0%
	Payroll & Employee Expense Sub Totals:	715,070	30,438	30,438	684,632	0	684,632	96%
	Wastewater Expenses							
02-61-60000	Equipment	7,300	0	0	7,300	0	7,300	100%
02-61-63100	Equipment Maintenance-Sewer	39,400	0	0	39,400	0	39,400	100%
02-61-63401	Building Maintenance	10,000	0	0	10,000	3,972	6,028	60%
02-61-70000	Professional Services	60,000	1,950	1,950	58,050	0	58,050	97%
02-61-70300	Legal Services	0	0	0	0	0	0	0%
02-61-72000	Supplies And Services-Sewer	127,000	279	279	126,721	0	126,721	100%
02-61-72150	Regulatory Permits	18,000	0	0	18,000	0	18,000	100%
02-61-72200	Books And Resources	500	0	0	500	0	500	100%
02-61-72400	Dues And Subscriptions	800	0	0	800	538	262	33%
02-61-72600	Sewer Line Cleaning	25,000	0	0	25,000	0	25,000	100%
02-61-73000	Small Tools And Equipment	5,000	0	0	5,000	0	5,000	100%
02-61-75300	Travel/Conferences/Training	2,000	0	0	2,000	0	2,000	100%
02-61-77000	Sewage Treat.-Oceanside Plant	840,000	0	0	840,000	0	840,000	100%
02-61-77100	Replacement Reserve-Oceanside	200,000	0	0	200,000	0	200,000	100%
02-61-78000	Utilities	65,000	7	7	64,993	0	64,993	100%
02-61-78300	Hazardous Waster Material Disp	12,000	0	0	12,000	0	12,000	100%
02-61-78700	Utilities-Propane	6,000	0	0	6,000	0	6,000	100%
02-61-82000	Shop And Field Equipment	25,000	0	0	25,000	0	25,000	100%
	Wastewater Expenses Sub Totals:	1,443,000	2,236	2,236	1,440,764	4,510	1,436,254	100%
	Expense Sub Totals:	2,158,070	32,674	32,674	2,125,396	4,510	2,120,886	98%

General Ledger

Interim Financials

Period: JULY-17



Account Number	Description	Budget Amount	Period Amount	YTD Amount	YTD Variance	Encumbered Amount	Amount Available	% Available
	Dept 61 Sub Totals:	2,158,070	32,674	32,674	2,125,396	4,510		
	Fund Revenue Sub Totals:	2,420,500	215,295	215,295	2,205,205	0	2,205,205	91%
	Fund Expense Sub Totals:	3,059,584	32,674	32,674	3,026,910	4,510	3,022,400	99%
	Fund 02 Sub Totals:	639,084	-182,621	-182,621	821,705	4,510		
Fund 03	GENERAL FUND							
Department 03-00								
	Other Revenue							
03-00-42200	Overhead Trs From Water, Sewer	4,744,811	0	0	4,744,811	0	4,744,811	100%
03-00-43102	Operating Inc Penalty/Int Chgs	240,000	19,344	19,344	220,656	0	220,656	92%
03-00-43108	Operating Inc Plan Check Rev.	13,470	465	465	13,005	0	13,005	97%
03-00-49108	Non Oper Inc-Rents And Leases	125,000	12,781	12,781	112,219	0	112,219	90%
03-00-49109	Miscellaneous Revenue	50,000	134	134	49,866	0	49,866	100%
03-00-49114	Miscellaneous Revenue - Eng. Services	0	150	150	-150	0	-150	0%
	Other Revenue Sub Totals:	5,173,281	32,874	32,874	5,140,407	0	5,140,407	99%
	Revenue Sub Totals:	5,173,281	32,874	32,874	5,140,407	0	5,140,407	99%
	Department 00 Sub Totals:	-5,173,281	-32,874	-32,874	-5,140,407	0		
Department 03-20	BOARD OF DIRECTORS							
	Payroll & Employee Expenses							
03-20-56202	Board Member Expenses	13,500	0	0	13,500	0	13,500	100%
03-20-56501	FICA	837	0	0	837	0	837	100%
03-20-56502	MEDI	196	0	0	196	0	196	100%
03-20-56515	Worker's Compensation Ins.	80	0	0	80	0	80	100%
	Payroll & Employee Expense Sub Totals:	14,613	0	0	14,613	0	14,613	100%

General Ledger

Interim Financials

Period: JULY-17



Account Number	Description	Budget Amount	Period Amount	YTD Amount	YTD Variance	Encumbered Amount	Amount Available	% Available
Board of Directors Expenses								
03-20-72000	Supplies And Services	300	0	0	300	0	300	100%
03-20-75300	Travel/Conferences/Training	25,000	1,027	1,027	23,973	0	23,973	96%
Board of Directors Expenses Sub Totals:		25,300	1,027	1,027	24,273	0	24,273	96%
Expense Sub Totals:		39,913	1,027	1,027	38,886	0	38,886	97%
Department 20 Sub Totals:		39,913	1,027	1,027	38,886	0		
Department	03-36 GARAGE							
Payroll & Employee Expenses								
03-36-56101	Regular Salaries	87,250	3,083	3,083	84,167	0	84,167	96%
03-36-56103	Overtime Paid, Comp Time Earn.	1,500	0	0	1,500	0	1,500	100%
03-36-56501	Employer's Share FICA SSI	5,410	176	176	5,234	0	5,234	97%
03-36-56502	Employer's Share FICA Medicare	1,265	45	45	1,220	0	1,220	96%
03-36-56503	Medical Ins ACWA Health Ben	16,619	674	674	15,945	0	15,945	96%
03-36-56504	Dental Insurance	1,830	72	72	1,758	0	1,758	96%
03-36-56505	Vision Ins ACWA	236	9	9	227	0	227	96%
03-36-56506	Life, S/T,L/T Disability Ins	1,323	0	0	1,323	0	1,323	100%
03-36-56507	Retirement-CalPers	14,571	310	310	14,261	0	14,261	98%
03-36-56515	Worker's Compensation Ins	3,603	0	0	3,603	0	3,603	100%
03-36-56516	State Unemployment Ins, E.T.T.	252	0	0	252	0	252	100%
03-36-56520	Deferred Comp-Employer Contribution	650	25	25	625	0	625	96%
Payroll & Employee Expense Sub Totals:		134,509	4,393	4,393	130,116	0	130,116	97%
Garage Expenses								
03-36-63000	Equipment	3,000	138	138	2,862	0	2,862	95%
03-36-63100	Equipment Maintenance	34,000	3,921	3,921	30,079	6,794	23,285	68%
03-36-63421	Fuel And Oil	100,000	5,023	5,023	94,977	0	94,977	95%
03-36-63422	Repair, Supplies, Auto	70,000	2,159	2,159	67,841	0	67,841	97%
03-36-72000	Supplies And Services	5,500	13	13	5,487	2,137	3,350	61%
03-36-72150	Regulatory Permits	4,000	0	0	4,000	0	4,000	100%
03-36-73000	Small Tools And Equipment	2,000	0	0	2,000	0	2,000	100%
03-36-75300	Travel/Conferences/Training	1,000	0	0	1,000	0	1,000	100%
03-36-83000	Vehicles	284,500	0	0	284,500	255,012	29,488	10%
Garage Expenses Sub Totals		504,000	11,253	11,253	492,747	263,943	228,804	45%

General Ledger

Interim Financials

Period: JULY-17



Account Number	Description	Budget Amount	Period Amount	YTD Amount	YTD Variance	Encumbered Amount	Amount Available	% Available
Expense Sub Totals:		638,509	15,646	15,646	622,863	263,943	358,920	56%
Department 36 Sub Totals:		638,509	15,646	15,646	622,863	263,943		
Department 03-41	ADMINISTRATION							
Payroll & Employee Expenses								
03-41-56101	Regular Salaries	404,272	23,812	23,812	380,460	0	380,460	94%
03-41-56103	Overtime Paid, Comp Time Earn.	10,000	1,826	1,826	8,174	0	8,174	82%
03-41-56501	Employer's Share FICA SSI	25,065	1,517	1,517	23,548	0	23,548	94%
03-41-56502	Employer's Share FICA Medicare	5,862	381	381	5,481	0	5,481	93%
03-41-56503	Medical Ins ACWA Health Ben	31,672	2,139	2,139	29,533	0	29,533	93%
03-41-56504	Dental Insurance	4,268	314	314	3,954	0	3,954	93%
03-41-56505	Vision Ins ACWA	708	47	47	661	0	661	93%
03-41-56506	Life, S/T,L/T Disability Ins	4,786	0	0	4,786	0	4,786	100%
03-41-56507	Retirement-CalPers	67,513	2,633	2,633	64,880	0	64,880	96%
03-41-56511	Employee Uniform Allowance	16,000	0	0	16,000	0	16,000	100%
03-41-56512	Employee Training/Tuition Reimbursed	4,000	0	0	4,000	0	4,000	100%
03-41-56515	Worker's Compensation Ins	16,204	0	0	16,204	0	16,204	100%
03-41-56516	State Unemployment Ins, E.T.T.	756	0	0	756	0	756	100%
03-41-56520	Deferred Comp-Employer Contribution	5,200	388	388	4,812	0	4,812	93%
03-41-56524	Other Post Employment Benefits	0	0	0	0	0	0	0%
Payroll & Employee Expense Sub Totals:		596,306	33,057	33,057	563,249	0	563,249	94%
Administration Expenses								
03-41-56513	Employee Relations	0	738	738	-738	0	-738	0%
03-41-60100	Computers	230,000	1,167	1,167	228,833	49,091	179,742	78%
03-41-63102	Equipment Maintenance Contract	2,700	0	0	2,700	0	2,700	100%
03-41-63200	Equipment Rental	40,200	3,290	3,290	36,910	0	36,910	92%
03-41-63400	Kitchen Supplies	3,000	0	0	3,000	0	3,000	100%
03-41-63401	Building Maintenance	82,600	3,973	3,973	78,627	0	78,627	95%
03-41-65000	Property/Liability Insurance	225,000	214,086	214,086	10,914	0	10,914	5%
03-41-65100	District Paid Insurance Claims	20,000	5,800	5,800	14,200	0	14,200	71%
03-41-70000	Professional Services	120,000	7,928	7,928	112,072	0	112,072	93%
03-41-70300	Legal Services	200,000	0	0	200,000	0	200,000	100%
03-41-72000	Supplies And Services	17,050	157	157	16,893	0	16,893	99%

General Ledger

Interim Financials

Period: JULY-17



Account Number	Description	Budget Amount	Period Amount	YTD Amount	YTD Variance	Encumbered Amount	Amount Available	% Available
03-41-72200	Books And Resources	250	0	0	250	0	250	100%
03-41-72400	Dues And Subscriptions	62,840	23,611	23,611	39,229	0	39,229	62%
03-41-72702	Public Notices/Advertising	1,000	0	0	1,000	0	1,000	100%
03-41-72900	Stationary & Office Supplies	25,000	0	0	25,000	0	25,000	100%
03-41-74000	Communicatons & Phone Bills	0	1,255	1,255	-1,255	0	-1,255	0%
03-41-74100	Phone Bill	53,400	6,962	6,962	46,438	0	46,438	87%
03-41-75300	Travel/Conferences/Training	15,050	25	25	15,025	0	15,025	100%
03-41-78000	Utilities-Electricity	50,400	0	0	50,400	0	50,400	100%
03-41-78700	Utilities -Propane	8,000	0	0	8,000	0	8,000	100%
03-41-78900	Trash Pick-Up	6,400	0	0	6,400	0	6,400	100%
03-41-82000	Capital Expenditures	100,000	0	0	100,000	44,976	55,024	55%
	Administration Expense Sub Totals:	1,262,890	268,992	268,992	993,898	94,067	899,831	71%
	Expense Sub Totals:	1,859,196	302,049	302,049	1,557,147	94,067	1,463,081	79%
	Department 41 Sub Totals:	1,859,196	302,049	302,049	1,557,147	94,067		
Department 03-42	HUMAN RESOURCES							
	Payroll & Employee Expenses							
03-42-56101	Regular Salaries	141,788	0	0	141,788	0	141,788	100%
03-42-56501	Employer's Share FICA SSI	8,791	0	0	8,791	0	8,791	100%
03-42-56502	Employer's Share FICA Medicare	2,056	0	0	2,056	0	2,056	100%
03-42-56503	Medical Ins ACWA Health Ben	0	0	0	0	0	0	0%
03-42-56504	Dental Insurance	1,830	0	0	1,830	0	1,830	100%
03-42-56505	Vision Ins ACWA	236	0	0	236	0	236	100%
03-42-56506	Life, S/T, L/T Disability Ins	1,799	0	0	1,799	0	1,799	100%
03-42-56507	Retirement-CalPers	23,679	0	0	23,679	0	23,679	100%
03-42-56512	Employee Training/Tuition Reimbursed	2,000	0	0	2,000	0	2,000	100%
03-42-56515	Worker's Compensation Ins	5,766	0	0	5,766	0	5,766	100%
03-42-56516	State Unemployment Ins, E.T.T.	252	0	0	252	0	252	100%
03-42-56520	Deferred Comp-Employer Contribution	2,600	0	0	2,600	0	2,600	100%
	E05 Sub Totals:	190,797	0	0	190,797	0	190,797	100%

General Ledger

Interim Financials

Period: JULY-17



Account Number	Description	Budget Amount	Period Amount	YTD Amount	YTD Variance	Encumbered Amount	Amount Available	% Available
Human Resources Expenses								
03-42-56513	Employee Relations	11,950	69	69	11,881	0	11,881	99%
03-42-60100	Computer	16,500	0	0	16,500	0	16,500	100%
03-42-70000	Professional Services	80,000	0	0	80,000	0	80,000	100%
03-42-70300	Legal Services	20,000	0	0	20,000	0	20,000	100%
03-42-72000	Supplies and Services	3,000	0	0	3,000	0	3,000	100%
03-42-72200	Books and Resources	100	0	0	100	0	100	100%
03-42-72400	Dues and Subscriptions	1,100	0	0	1,100	0	1,100	100%
03-42-75300	Workforce Development	36,500	0	0	36,500	0	36,500	100%
	Human Resources Expense Sub Totals:	169,150	69	69	169,081	0	169,081	100%
	Expense Sub Totals:	359,947	69	69	359,878	0	359,878	100%
	Department 42 Sub Totals:	359,947	69	69	359,878	0		
Department 03-43 SAFETY								
Payroll & Employee Expenses								
03-43-56101	Regular Salaries	71,615	4,093	4,093	67,522	0	67,522	94%
03-43-56103	Overtime Paid, Comp Time Earned	300	188	188	112	0	112	37%
03-43-56501	Employer's Share FICA SSI	4,440	251	251	4,189	0	4,189	94%
03-43-56502	Employer's Share FICA Medicare	1,038	63	63	975	0	975	94%
03-43-56503	Medical Ins ACWA Health Ben	12,662	686	686	11,976	0	11,976	95%
03-43-56504	Dental Insurance	1,830	101	101	1,729	0	1,729	95%
03-43-56505	Vision Ins ACWA	236	13	13	223	0	223	95%
03-43-56506	Life, S/T,L/T Disability Ins	1,080	0	0	1,080	0	1,080	100%
03-43-56507	Retirement-CalPers	11,960	383	383	11,577	0	11,577	97%
03-43-56512	Employee Training/Tuition Reimbursed	350	0	0	350	0	350	100%
03-43-56515	Worker's Compensation Ins	2,912	0	0	2,912	0	2,912	100%
03-43-56516	State Unemployment Ins, E.T.T.	252	0	0	252	0	252	100%
03-43-56520	Deferred Comp-Employer Contribution	2,600	137	137	2,463	0	2,463	95%
03-43-56524	Other Post Employment Benefits	0	0	0	0	0	0	0%
	Payroll & Employee Expense Sub Totals:	111,275	5,915	5,915	105,360	0	105,360	95%

General Ledger

Interim Financials

Period: JULY-17



Account Number	Description	Budget Amount	Period Amount	YTD Amount	YTD Variance	Encumbered Amount	Amount Available	% Available
Safety Expenses								
03-43-63100	Equipment Maintenance	10,700	1,198	1,198	9,502	0	9,502	89%
03-43-63102	Equipment Maintenance Contract	19,300	1,030	1,030	18,270	0	18,270	95%
03-43-72000	Supplies And Services	14,500	372	372	14,128	0	14,128	97%
03-43-72200	Books And Resources	200	0	0	200	0	200	100%
03-43-72400	Dues And Subscriptions	2,300	0	0	2,300	0	2,300	100%
03-43-72500	Safety Supplies	25,550	1,468	1,468	24,082	0	24,082	94%
03-43-73000	Small Tools And Equipment	0	0	0	0	0	0	0%
03-43-75300	Travel/Conferences/Training	3,800	0	0	3,800	0	3,800	100%
	Safety Expenses Sub Totals:	76,350	4,067	4,067	72,283	0	72,283	95%
	Expense Sub Totals:	187,625	9,983	9,983	177,642	0	177,642	95%
	Department 43 Sub Totals:	187,625	9,983	9,983	177,642	0		
Department 03-51	FINANCE							
Payroll & Employee Expenses								
03-51-56101	Regular Salaries	354,607	12,385	12,385	342,222	0	342,222	97%
03-51-56103	Overtime Paid, Comp Time Earned	6,000	158	158	5,842	0	5,842	97%
03-51-56501	Employer's Share FICA SSI	21,986	745	745	21,241	0	21,241	97%
03-51-56502	Employer's Share FICA Medicare	5,142	187	187	4,955	0	4,955	96%
03-51-56503	Medical Ins ACWA Health Ben	46,007	2,023	2,023	43,984	0	43,984	96%
03-51-56504	Dental Insurance	3,654	168	168	3,486	0	3,486	95%
03-51-56505	Vision Ins ACWA	944	40	40	904	0	904	96%
03-51-56506	Life, S/T,L/T Disability Ins	5,154	0	0	5,154	0	5,154	100%
03-51-56507	Retirement-CalPers	59,219	1,032	1,032	58,187	0	58,187	98%
03-51-56512	Employee Training/Tuition Reimbursed	3,000	0	0	3,000	0	3,000	100%
03-51-56515	Worker's Compensation Ins	13,573	0	0	13,573	0	13,573	100%
03-51-56516	State Unemployment Ins, E.T.T.	1,008	0	0	1,008	0	1,008	100%
03-51-56520	Deferred Comp-Employer Contribution	10,400	429	429	9,971	0	9,971	96%
03-51-56524	Other Post Employment Benefits	0	0	0	0	0	0	0%
	Payroll & Employee Expense Sub Totals:	530,694	17,167	17,167	513,527	0	513,527	97%

General Ledger

Interim Financials

Period: JULY-17



Account Number	Description	Budget Amount	Period Amount	YTD Amount	YTD Variance	Encumbered Amount	Amount Available	% Available
Finance Expenses								
03-51-69000	Postage	46,500	0	0	46,500	0	46,500	100%
03-51-70100	Annual Audit Services	20,000	0	0	20,000	0	20,000	100%
03-51-70400	Bank Service Charges	45,000	0	0	45,000	0	45,000	100%
03-51-72000	Supplies And Services	0	0	0	0	0	0	0%
03-51-72700	Printing And Reproductions	2,000	0	0	2,000	0	2,000	100%
03-51-75300	Travel/Conferences/Training	3,000	0	0	3,000	0	3,000	100%
	Finance Expenses Sub Totals:	116,500	0	0	116,500	0	116,500	100%
	Expense Sub Totals:	647,194	17,167	17,167	630,027	0	630,027	97%
	Department 51 Sub Totals:	647,194	17,167	17,167	630,027	0		
Department 03-52	CUSTOMER SERVICE							
Payroll & Employee Expenses								
03-52-56101	Regular Salaries	158,596	5,425	5,425	153,171	0	153,171	97%
03-52-56103	Overtime Paid, Comp Time Earned	5,000	115	115	4,885	0	4,885	98%
03-52-56501	Employer's Share FICA SSI	9,833	325	325	9,508	0	9,508	97%
03-52-56502	Employer's Share FICA Medicare	2,300	82	82	2,218	0	2,218	96%
03-52-56503	Medical Ins ACWA Health Ben	39,304	1,051	1,051	38,253	0	38,253	97%
03-52-56504	Dental Insurance	4,268	120	120	4,148	0	4,148	97%
03-52-56505	Vision Ins ACWA	708	22	22	686	0	686	97%
03-52-56506	Life, S/T,L/T Disability Ins	2,363	0	0	2,363	0	2,363	100%
03-52-56507	Retirement-CalPers	26,486	480	480	26,006	0	26,006	98%
03-52-56512	Employee Training/Tuition Reimbursed	1,000	0	0	1,000	0	1,000	100%
03-52-56515	Worker's Compensation Ins	6,070	0	0	6,070	0	6,070	100%
03-52-56516	State Unemployment Ins, E.T.T.	756	0	0	756	0	756	100%
03-52-56520	Deferred Comp-Employer Contribution	6,175	166	166	6,010	0	6,010	97%
03-52-56524	Other Post Employment Benefits	0	0	0	0	0	0	0%
	Payroll & Employee Expense Sub Totals:	262,859	7,785	7,785	255,074	0	255,074	97%
Customer Service Expenses								
03-52-63100	Equipment Maintenance	0	0	0	0	0	0	0%
03-52-69110	Bad Debt Expense/Billing Adjustments	10,000	0	0	10,000	0	10,000	100%
03-52-72000	Supplies And Services	205,500	152	152	205,348	0	205,348	100%
03-52-72700	Printing And Reproductions	3,000	0	0	3,000	0	3,000	100%

General Ledger

Interim Financials

Period: JULY-17



Account Number	Description	Budget Amount	Period Amount	YTD Amount	YTD Variance	Encumbered Amount	Amount Available	% Available
03-52-75300	Travel/Conferences/Training	1,000	0	0	1,000	0	1,000	100%
	Customer Service Expenses Sub Totals:	219,500	152	152	219,348	0	219,348	100%
	Expense Sub Totals:	482,359	7,938	7,938	474,421	0	474,421	98%
	Department 52 Sub Totals:	482,359	7,938	7,938	474,421	0		
Department 03-91	ENGINEERING							
	Payroll & Employee Expenses							
03-91-56101	Regular Salaries	411,773	19,793	19,793	391,980	0	391,980	95%
03-91-56103	Overtime Paid, Comp Time Earned	4,000	357	357	3,643	0	3,643	91%
03-91-56501	Employer's Share FICA SSI	25,690	1,158	1,158	24,532	0	24,532	95%
03-91-56502	Employer's Share FICA Medicare	6,081	292	292	5,789	0	5,789	95%
03-91-56503	Medical Ins ACWA Health Ben	73,130	3,485	3,485	69,645	0	69,645	95%
03-91-56504	Dental Insurance	6,809	334	334	6,475	0	6,475	95%
03-91-56505	Vision Ins ACWA	998	49	49	949	0	949	95%
03-91-56506	Life, S/T,L/T Disability Ins	5,602	0	0	5,602	0	5,602	100%
03-91-56507	Retirement-CalPers	68,826	1,824	1,824	67,002	0	67,002	97%
03-91-56512	Employee Training/Tuition Reimbursed	2,000	0	0	2,000	0	2,000	100%
03-91-56515	Worker's Compensation Ins	16,742	0	0	16,742	0	16,742	100%
03-91-56516	State Unemployment Ins, E.T.T.	1,138	0	0	1,138	0	1,138	100%
03-91-56520	Deferred Comp-Employer Contribution	10,920	524	524	10,396	0	10,396	95%
03-91-56524	Other Post Employment Benefits	0	0	0	0	0	0	0%
	Payroll & Employee Expense Sub Totals:	633,709	27,816	27,816	605,893	0	605,893	96%
	Engineering Expenses							
03-91-63000	Equipment	4,000	0	0	4,000	0	4,000	100%
03-91-63102	Equipment Maintenance Contract	96,500	80,000	80,000	16,500	0	16,500	17%
03-91-70000	Professional Services	200,000	22,887	22,887	177,113	0	177,113	89%
03-91-72000	Supplies And Services	16,134	3,259	3,259	12,875	0	12,875	80%
03-91-72200	Books And Resources	500	0	0	500	0	500	100%
03-91-72400	Dues And Subscriptions	895	0	0	895	0	895	100%
03-91-72700	Printing And Reproductions	6,000	0	0	6,000	0	6,000	100%
03-91-75300	Travel/Conferences/Training	5,000	0	0	5,000	0	5,000	100%
	Engineering Expenses Sub Totals:	329,029	106,146	106,146	222,883	0	222,883	68%

General Ledger

Interim Financials

Period: JULY-17



Account Number	Description	Budget Amount	Period Amount	YTD Amount	YTD Variance	Encumbered Amount	Amount Available	% Available
	Expense Sub Totals:	962,738	133,962	133,962	828,776	0	828,776	86%
	Department 91 Sub Totals:	962,738	133,962	133,962	828,776	0		
	Fund Revenue Sub Totals:	5,173,281	32,874	32,874	5,140,407	0	5,140,407	99%
	Fund Expense Sub Totals:	5,177,481	487,840	487,840	4,689,641	358,010	4,331,630	84%
	Fund 03 Sub Totals:	4,200	454,967	454,967	-450,767	358,010		
	Revenue Totals:	43,622,648	4,162,053	4,162,053	39,460,595	0	39,460,595	90%
	Expense Totals:	44,058,650	3,474,773	3,474,773	40,583,877	405,391	40,178,486	91%
	Report Totals:	436,002	-687,280	-687,280	1,123,282	405,391		

Accounts Payable

July American Express



Check Number	Check Date		Amount
245 - ABCANA INDUSTRIES Line Item Account			
8101701	08/10/2017		
Inv	1009542		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/10/2017	HYPOCHLORITE SOLUTION 12.5% 8PG III, RQ	01-32-72000	971.74
Inv 1009542 Total			971.74
Inv	1009589		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/11/2017	HYPOCHLORITE SOLUTION 8PG III, RQ	01-32-72000	744.96
Inv 1009589 Total			744.96
Inv	1009859		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/14/2017	HYPOCHLORITE SOLUTION 12.5% 8PG III, RQ	01-32-72000	299.00
Inv 1009859 Total			299.00
Inv	1010272		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/19/2017	HYPOCHLORITE SOLUTION 12.5% 8PG III, RQ	01-32-72000	1,195.98
Inv 1010272 Total			1,195.98
8101701 Total:			3,211.68
245 - ABCANA INDUSTRIES Total:			3,211.68
280 - AMAZON.COM Line Item Account			
8101702	08/10/2017		
Inv	4305375-9625852		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/27/2017	FLASH DRIVE, 10-PACK, BLUE	03-41-72000	91.98
Inv 4305375-9625852 Total			91.98
Inv	5266812-1652236		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/05/2017	55 GALLON WATER PRESERVER CONCENTRATE 5-YR EMEI	03-43-72500	49.80

Check Number	Check Date		Amount
		Inv 5266812-1652236 Total	49.80
		Inv 7169089-3766648	
		<u>Line Item Date</u> <u>Line Item Description</u> <u>Line Item Account</u>	
		07/24/2017 PATIO UMBRELLA, OUTDOOR 03-43-72500	349.78
		Inv 7169089-3766648 Total	349.78
		Inv 7396503-0895423	
		<u>Line Item Date</u> <u>Line Item Description</u> <u>Line Item Account</u>	
		07/10/2017 ASUS USB ADAPTER WITH BLUETOOTH AND WIRELESS KI 03-41-60100	57.37
		Inv 7396503-0895423 Total	57.37
		8101702 Total:	548.93
		280 - AMAZON.COM Total:	548.93
		2885 - CORELOGIC INFORMATION Line Item Account	
		8101703 08/10/2017	
		Inv 81816303	
		<u>Line Item Date</u> <u>Line Item Description</u> <u>Line Item Account</u>	
		06/30/2017 REALQUEST.COM SD CA SALE DOC IMAGE 03-91-63102	20.00
		Inv 81816303 Total	20.00
		Inv 81816338	
		<u>Line Item Date</u> <u>Line Item Description</u> <u>Line Item Account</u>	
		06/30/2017 REALQUEST.COM MAP SEARCH, GEOGRAPHIC MAP SEARC 03-91-63102	192.50
		Inv 81816338 Total	192.50
		8101703 Total:	212.50
		2885 - CORELOGIC INFORMATION Total:	212.50
		2027 - CULLIGAN OF ESCONDIDO Line Item Account	
		8101704 08/10/2017	
		Inv 063017	
		<u>Line Item Date</u> <u>Line Item Description</u> <u>Line Item Account</u>	
		06/30/2017 WATER SOFTNER, SERVICE PERIOD: 07/01-07-31 03-41-63401	74.93
		Inv 063017 Total	74.93
		8101704 Total:	74.93

Check Number	Check Date		Amount
2027 - CULLIGAN OF ESCONDIDO Total:			74.93
603276 - EMBASSY SUITES Line Item Account			
8101705	08/10/2017		
Inv	683087		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/13/2017	CSDA SPECIAL DISTRICT ACADEMY-M. MACK HOTEL STA	03-20-75300	579.24
Inv	683087 Total		579.24
Inv	683089		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/13/2017	CSDA SPECIAL DISTRICT ACADEMY-B. STEWART HOTEL S'	03-20-75300	579.24
Inv	683089 Total		579.24
Inv	684201		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/13/2017	CSDA SPECIAL DISTRICT ACADEMY-M. GASCA HOTEL STA	03-20-75300	579.24
Inv	684201 Total		579.24
8101705 Total:			1,737.72
603276 - EMBASSY SUITES Total:			1,737.72
603212 - GETGO INC Line Item Account			
8101706	08/10/2017		
Inv	72436003A4H		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/01/2017	PRO 5-PC ANNUAL, CYCLE THROUGH 6/30/18	03-41-60100	669.60
Inv	72436003A4H Total		669.60
8101706 Total:			669.60
603212 - GETGO INC Total:			669.60
603177 - GOVERNMENTJOBS.COM, INC. Line Item Account			
8101707	08/10/2017		
Inv	INV-002CL		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/17/2017	JOB POSTING FOR CUSTOMER SERVICE CLERK	03-42-72000	175.00
Inv	INV-002CL Total		175.00
8101707 Total:			175.00

603177 - GOVERNMENTJOBS.COM, INC. Total:	175.00
-------------------------------------------------	--------

3325 - GRAINGER, W.W. INC. Line Item Account

8101708 08/10/2017

Inv 9471906561

<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
06/13/2017	GRINDING WHEEL, T1, 8X1X1, 100/120G, BROWN	01-32-72000	56.05

Inv 9471906561 Total	56.05
----------------------	-------

Inv 9482643161

<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
06/23/2017	SOIL PROBE, SHOVEL, TAPE MEASURE, MASKING TAPE	03-36-73000	437.56

Inv 9482643161 Total	437.56
----------------------	--------

Inv 9489357252

<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
06/30/2017	RETURNED ITEM: SOIL PROBE	03-36-73000	-147.14

Inv 9489357252 Total	-147.14
----------------------	---------

Inv 9501970447

<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/17/2017	EXHAUST FAN, 7 IN, 115V	03-36-73000	153.41

Inv 9501970447 Total	153.41
----------------------	--------

8101708 Total:	499.88
----------------	--------

3325 - GRAINGER, W.W. INC. Total:	499.88
------------------------------------------	--------

5286 - NOSSAMAN, LLP Line Item Account

8101709 08/10/2017

Inv 467653

<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
06/19/2017	PROFESSIONAL SERVICES THROUGH 5/31/17	60-00-11168	2,556.00
06/19/2017	PROFESSIONAL SERVICES THROUGH 5/31/17	52-00-11158	1,988.00
06/19/2017	PROFESSIONAL SERVICES THROUGH 5/31/17	60-00-11166	248.50
06/19/2017	PROFESSIONAL SERVICES THROUGH 5/31/17	03-91-72000	2,556.00
06/19/2017	PROFESSIONAL SERVICES THROUGH 5/31/17	03-41-70300	3,727.50
06/19/2017	PROFESSIONAL SERVICES THROUGH 5/31/17	01-00-43109	1,349.00

Inv 467653 Total	12,425.00
------------------	-----------

Inv 467654

<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
06/19/2017	GENERAL COUNSEL SERVICES THROUGH 5/31/17	01-00-43109	2,835.00

Check Number	Check Date		Amount
Inv 467654	Total		2,835.00
Inv 467659			
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
06/19/2017	GENERAL COUNSEL SERVICES THROUGH 5/31/17	03-41-70300	20,575.62
06/19/2017	GENERAL COUNSEL SERVICES THROUGH 5/31/17	01-00-43109	227.50
06/19/2017	GENERAL COUNSEL SERVICES THROUGH 5/31/17	52-00-11158	2,795.00
06/19/2017	GENERAL COUNSEL SERVICES THROUGH 5/31/17	03-91-72000	1,202.50
06/19/2017	GENERAL COUNSEL SERVICES THROUGH 5/31/17	60-00-11168	195.00
06/19/2017	GENERAL COUNSEL SERVICES THROUGH 5/31/17	60-00-11151	227.50
Inv 467659	Total		25,223.12
8101709	Total:		40,483.12
5286 - NOSSAMAN, LLP	Total:		40,483.12
5425 - OFFICE DEPOT	Line Item Account		
8101710	08/10/2017		
Inv 939623608001			
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
06/28/2017	TAPE, PENS, NOTEPADS	03-41-72000	328.31
Inv 939623608001	Total		328.31
Inv 939624009001			
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
06/28/2017	PEN AND FOLDERS	03-41-72000	161.46
Inv 939624009001	Total		161.46
Inv 940063729001			
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
06/29/2017	BINDING	03-41-72000	64.63
Inv 940063729001	Total		64.63
Inv 941512253001			
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/07/2017	INK, MARKERS	03-41-72900	157.50
Inv 941512253001	Total		157.50
8101710	Total:		711.90
5425 - OFFICE DEPOT	Total:		711.90
6790 - PACIFIC SAFETY CENTER	Line Item Account		
8101711	08/10/2017		

Check Number	Check Date		Amount
Inv	73510		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/11/2017	CERTIFICATE FOR OCCUPATIONAL SAFETY MGRS-KHARP	03-42-75300	1,899.00
Inv 73510 Total			1,899.00
8101711 Total:			1,899.00
6790 - PACIFIC SAFETY CENTER Total:			1,899.00
5976 - PRUDENTIAL OVERALL SUPPLY Line Item Account			
8101712	08/10/2017		
Inv	130755475		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
06/27/2017	MONTHLY UNIFORMS	03-41-56511	175.92
06/27/2017	MATS & MISC	03-41-63401	6.62
Inv 130755475 Total			182.54
Inv	130755476		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
06/27/2017	MONTHLY UNIFORMS	03-41-56511	91.72
Inv 130755476 Total			91.72
Inv	130756992		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/04/2017	MONTHLY UNIFORMS	03-41-56511	133.55
07/04/2017	MATS & MISC	03-41-63401	138.83
Inv 130756992 Total			272.38
Inv	130756993		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/04/2017	MONTHLY UNIFORMS	03-41-56511	94.15
Inv 130756993 Total			94.15
Inv	130758479		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/11/2017	MONTHLY UNIFORMS	03-41-56511	133.55
07/11/2017	MATS & MISC	03-41-63401	6.62
Inv 130758479 Total			140.17
Inv	130758480		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/11/2017	MONTHLY UNIFORMS	03-41-56511	94.15
Inv 130758480 Total			94.15

Check Number	Check Date		Amount
Inv	130760026		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/18/2017	MONTHLY UNIFORMS	03-41-56511	133.55
07/18/2017	MATS & MISC	03-41-63401	138.83
Inv 130760026 Total			272.38
Inv	130760027		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/18/2017	MONTHLY UNIFORMS	03-41-56511	94.15
Inv 130760027 Total			94.15
8101712 Total:			1,241.64
5976 - PRUDENTIAL OVERALL SUPPLY Total:			1,241.64
603374 - SNAG A JOB Line Item Account			
8101713	08/10/2017		
Inv	61299364364		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/16/2017	POSTING FOR CS CLERK	03-42-72400	49.00
Inv 61299364364 Total			49.00
8101713 Total:			49.00
603374 - SNAG A JOB Total:			49.00
603325 - SOUTHERN COUNTIES LUBRICANTS, LLC Line Item Account			
8101714	08/10/2017		
Inv	808367		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
06/11/2017	OIL FOR DISTRICT PUMP STATIONS ELECTRIC MOTORS - C.	01-31-63100	1,488.75
Inv 808367 Total			1,488.75
8101714 Total:			1,488.75
603325 - SOUTHERN COUNTIES LUBRICANTS, LLC Total:			1,488.75
603309 - SOUTHWEST AIRLINES Line Item Account			
8101715	08/10/2017		
Inv	5265552078259		
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
06/29/2017	EARLY BIRD CHECK-IN	03-20-75300	15.00

Check Number	Check Date		Amount
Inv 5265552078259	Total		15.00
Inv 5265552078260			
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
06/29/2017	EARLY BIRD CHECK-IN	03-20-75300	15.00
Inv 5265552078260	Total		15.00
Inv 5268537669714			
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
06/29/2017	CSDA SPECIAL DISTRICT LEADERSHIP ACADEMY-M. GASC	03-20-75300	312.96
Inv 5268537669714	Total		312.96
8101715	Total:		342.96
603309 - SOUTHWEST AIRLINES	Total:		342.96
603174 - VILLAGE PIZZA	Line Item Account		
8101716	08/10/2017		
Inv 108144			
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/25/2017	LUNCH FOR MEETING	03-41-56513	87.49
Inv 108144	Total		87.49
Inv 595413			
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
06/29/2017	LUNCH FOR EMPLOYEE NEGOTIATIONS	03-41-56513	47.41
Inv 595413	Total		47.41
8101716	Total:		134.90
603174 - VILLAGE PIZZA	Total:		134.90
8155 - WESTERN WATER WORKS SUPPLY	Line Item Account		
8101717	08/10/2017		
Inv 458190-00			
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/12/2017	METER BOX LID HOOK (LONG)	01-00-14610	174.69
07/12/2017	4FT SS PROBE	01-00-14610	173.91
Inv 458190-00	Total		348.60
Inv 458190-01			
<u>Line Item Date</u>	<u>Line Item Description</u>	<u>Line Item Account</u>	
07/14/2017	4FT SS PROBE	01-00-14610	173.91

Check Number	Check Date	Amount
Inv 458190-01 Total		173.91
8101717 Total:		522.51
8155 - WESTERN WATER WORKS SUPPLY Total:		522.51
Total:		54,004.02

**Director's Expenses
FY 2017-2018**

Disbursement Date	Description	Miguel Gasca	Helene Brazier	Claude Hamilton	Michael Mack	William Stewart	Retiree
07/31/17	CAL PERS - HEALTH INS. WATER AGENCIES ASSOC OF S.D. CSDA,SAN DIEGO CHAPTER CONFERENCES (CSDA, ACWA, etc.) TRAINING COUNCIL OF WATER UTILITIES DIRECTORS' PER DIEMS TRAVEL EXPENSES MILEAGE EXPENSE REIMBURSEMENT FROM DIRECTORS	\$ 600.00			\$ 600.00	\$ 600.00	\$ 354.80
		\$ 150.00	\$ 300.00		\$ 700.00	\$ 450.00	
		\$ 989.52			\$ 940.78	\$ 754.99	
				\$ 23.54		\$ 577.82	
	REIMBURSEMENT FROM DIRECTORS						\$ (354.80)
	Monthly Totals	\$ 1,739.52	\$ 300.00	\$ 23.54	\$ 2,240.78	\$ 2,382.81	\$ -
08/31/17	CAL PERS - HEALTH INS. WATER AGENCIES ASSOC OF S.D. CSDA,SAN DIEGO CHAPTER CONFERENCES (CSDA, ACWA, etc.) TRAINING COUNCIL OF WATER UTILITIES DIRECTORS' PER DIEMS TRAVEL EXPENSES MILEAGE EXPENSE REIMBURSEMENT FROM DIRECTORS	\$ 25.00					
	REIMBURSEMENT FROM DIRECTORS						
	Monthly Totals	\$ 25.00	\$ -	\$ -	\$ -	\$ -	\$ -

Bank Reconciliation

July Check Register



Check No.	Vendor/Employee	Transaction Description	Date	Amount
Fund: 01 WATER				
Department: 00				
ACH	RENE BUSH	REIMBURSE RETIRED EMPLOYEE HEALTH INS - JUL 2017	07/24/2017	726.00
ACH	SAN DIEGO COUNTY WATER AUTH	WIRE TRANSFER FOR WATER PURCHASES_MAY 2017	07/11/2017	1,799,079.30
ACH	SAN DIEGO COUNTY WATER AUTH.	CAPACITY FEES FOR APR-JUN 2017	07/13/2017	254,756.00
ACH	CHARLES C. SNEED	REIMBURSE RETIRED EMPLOYEE HEALTH INS - JUL 2017	07/13/2017	363.00
ACH	KEVIN MILLER	REIMBURSE RETIRED EMPLOYEE HEALTH INS - JULY 2017	07/05/2017	726.00
ACH	KEVIN MILLER	REIMBURSE RETIRED EMPLOYEE HEALTH INS - AUG 2017	07/31/2017	726.00
ACH	SHERRY MULLENNIX	REIMBURSE RETIRED EMPLOYEE HEALTH INS - JUL 2017	07/24/2017	300.00
53620	FERGUSON WATERWORKS #1083	CONCRETE BOX, 2PC CONCRETE CVR AND CONCRETE READ LID	07/05/2017	787.12
53629	WESCOM CREDIT UNION	REFUND FOR JAY LOEW - CUSTOMER OF RAINBOW WATER IN OREGON	07/05/2017	55.00
53637	W TATE & JEANETTE SCOTT	Refund Check	07/13/2017	1,541.36
53643	FERGUSON WATERWORKS #1083	1 1/2" HP TURBINE E-CODER W/5' ITRON SHIELDED 100 CF - TEST PORT	07/19/2017	38,662.32
53672	TODD FRAME	REIMB FOR THE BAL OF INSP FEE DEPOSIT-NEW WATER SRVCS APP#-8339	07/24/2017	666.83
53673	PATRICK GALLAGHER	REIMB FOR THE BAL OF INSP FEE DEPOSIT-NEW WATER SRVCS APP#-8333	07/24/2017	376.19
53677	MANSOUR MALEK	REIMB FOR THE BAL OF INSP FEE DEPOSIT-NEW WATER SRVCS APP#-8325	07/24/2017	429.29
53681	HUY NGUYEN	REIMB FOR THE BAL OF INSP FEE DEPOSIT-NEW WATER SRVCS APP#-8340	07/24/2017	427.51
53686	GABRIEL RAYES	REIMB FOR THE BAL OF INSP FEE DEPOSIT-NEW WATER SRVCS APP#-8335	07/24/2017	702.18
53687	EVERETT RICKER	REIMB FOR THE BAL OF INSP FEE DEPOSIT-NEW WATER SRVCS APP#-8334	07/24/2017	150.68
53690	BRUCE SHERMAN	REIMB FOR THE BAL OF INSP FEE DEP-NEW WATER SRVCS APP#-8337/8338	07/24/2017	1,145.98
53695	LOUIS ZEMBER	REIMB FOR THE BAL OF INSP FEE DEPOSIT-NEW WATER SRVCS APP#-8323	07/24/2017	539.22
Total for Department: 00				2,102,159.98
Department: 31				
ACH	CONTROL MAINT & REPAIR INC	INFRARED SURVEY ON TMWD YARD ELECTRIC PANELS	07/19/2017	3,229.00
53638	BUTSKO UTILITY DESIGN, INC	ARC FLASH LABEL PRODUCTION	07/19/2017	4,200.00
53658	TOTAL AIR ANALYSIS, INC.	TRAVEL / PREPARATION	07/19/2017	1,250.00
53689	SAN DIEGO GAS & ELECTRIC	MONTHLY GAS AND ELECTRIC SERVICE	07/24/2017	49,066.36
Total for Department: 31 PUMPING				57,745.36
Department: 32				
ACH	AIRGAS USA, LLC	1/4" X 100' TWIN WLDG GRDE R BB	07/19/2017	111.29
ACH	AIRGAS USA, LLC	LUG CAB SLDR TYP L-120, CNCTN CAP, CTNG ATCHMT, HLDR ELECT, ELEC	07/31/2017	428.68
ACH	BABCOCK LABORATORIES, INC	MONTHLY WATER ANALYSIS	07/19/2017	1,175.00
ACH	MISSION VALLEY SANITATION-SD	PORTA POTTY RENTAL FOR WEED ABATEMENT	07/31/2017	423.21
53618	DEPT OF FORESTRY & FIRE PROTEC	WEED AND BRUSH ABATEMENT	07/05/2017	685.86
53626	PETTY CASH	REIMBURSE FOR PURCHASE OF ENERGIZER BATTERIES	07/05/2017	4.28
53675	HOME DEPOT	WIRESHLF 4TR, 9'AC/APP CRD-FOR OPS ROOM	07/24/2017	60.58
53684	JOE PERRERA	REIMBURSEMENT FOR CA-NV-AWWA BACKFLOW TESTER CERTIFICATE RENEWAL	07/24/2017	180.00
53685	QUALITY FENCE COMPANY	REPAIR OF VANDALISM DAMAGE TO FENCE AT CANONITA TANK	07/24/2017	325.00
53689	SAN DIEGO GAS & ELECTRIC	MONTHLY GAS AND ELECTRIC SERVICE	07/24/2017	689.56
Total for Department: 32 OPERATIONS				4,083.46
Department: 34				
ACH	AIRGAS USA, LLC	CYLINDER RENTALS	07/19/2017	75.05
ACH	AIRGAS USA, LLC	CAB WLDG SZ 1/2 BLK FLX 100' CX HD SRNK	07/31/2017	639.74
ACH	ART'S TRENCH PLATE & KRAIL SERVICE CO, INC.	(2) 10' K-RAIL RENTAL	07/05/2017	40.00
ACH	ART'S TRENCH PLATE & KRAIL SERVICE CO, INC.	6X12 TRENCH PLATE RENTAL, PICK-UP & DELIVERY FEE	07/24/2017	1,126.60
ACH	ART'S TRENCH PLATE & KRAIL SERVICE CO, INC.	8X10 TRENCH PLATE RENTAL, DELIVERY & PICK-UP	07/31/2017	665.40
ACH	DRAVES PIPELINE, INC	LEAK REPAIR LOS ALISOS, RMWD JOB 129847	07/31/2017	11,057.76
ACH	FALLBROOK EQUIPMENT RENTAL	TRAILER, CONCRETE MIXING, 3/8" PEA GRAVEL, PORTLAND CEMENT, CONC	07/19/2017	484.88
ACH	JOE'S PAVING CO, INC	DIG OUT COLD MIX ON FIVE AREAS WITH 3" OF HO	07/05/2017	8,844.48
ACH	JOE'S PAVING CO, INC	DIG OUT COL MIX, PAVE 3" OF HOT MIX AND ROLL FOR SMOOTHNESS ON A	07/31/2017	1,586.56

ACH	TRAFFIC SAFETY SOLUTIONS, LLC	TRAFFIC CONTROL ON 6/28/17, RECHE RD & LIVE OAK PARK	07/31/2017	1,950.00
ACH	UNDERGROUND SERVICE ALERT	RAI88 NEW TICKET CHARGES	07/13/2017	150.00
53625	PETTY CASH	AFTER-HOURS MEAL - 4 EMPLOYEES	07/05/2017	167.96
53648	PACIFIC TEK	RED LION TORQUE METER - CUB5VB00 (ITEM #13LR-13005)	07/19/2017	2,003.13
53659	TRENCH PLATE RENTAL CO.	10.0 FT & 20.0 FT CONCRETE K-RAIL RENT ON 6/27/17	07/19/2017	616.00
53660	BOARD OF EQUALIZATION	2ND QUARTER 2017 - ROAD USE TAX DUE	07/24/2017	228.39
53675	HOME DEPOT	POLY SHEET, 14" MTL CUT, CHOP SAW	07/24/2017	420.07

Total for Department: 34 WATER DISTRIBUTION 30,056.02

Department: 35

53624	KNOCKOUT PEST CONTROL& TERMITES, INC.	BEE REMOVAL: 4426 ORANGE HILL, FALLBROOK, CA	07/05/2017	75.00
53645	KNOCKOUT PEST CONTROL& TERMITES, INC.	REMOVE BEES AND BEE HIVES-2 METER BOXES	07/19/2017	450.00
53653	HD SUPPLY WATERWORKS, LTD	3MM OCTAVE METER WITH ENCODER MODULE & ITRON CONNECTOR	07/19/2017	3,652.30
53676	KNOCKOUT PEST CONTROL& TERMITES, INC.	ONE TIME PEST CONTROL - BEE REMOVAL	07/24/2017	675.00
53699	CLEMMON TAYLOR	REIMB FOR CA-NV-AWWA WATER USE EFFICIENCY CERT RENEWAL	07/31/2017	50.00

Total for Department: 35 METER SERVICES 4,902.30

Total for Fund:01 WATER FUND 2,198,947.12

Fund: 02 SEWER

Department: 61

ACH	ATLAS PUMPING SERVICE	MONTHLY BIN RENTAL	07/05/2017	210.00
ACH	BABCOCK LABORATORIES, INC	MONTHLY WATER ANALYSIS	07/24/2017	105.00
ACH	MUNICIPAL MAINTENANCE EQUIP.	1" HYCON BALL VALVE	07/19/2017	797.09
53630	SAN DIEGO GAS & ELECTRIC	MONTHLY ELECTRIC SERVICE	07/05/2017	7.00
53641	CROP PRODUCTION SVC INC,	2 LINE QK LOAD HEAD	07/19/2017	135.73
53656	RHO MONSERATE C.C.H.A.	ELECTRIC CHARGE	07/19/2017	451.62
53675	HOME DEPOT	OPP 2 HEAD D2D LEF BZ FLOOD, GFCl, 1G WHT NYL MIDWAY DECORATIVE	07/24/2017	102.04
53683	ONESOURCE DISTRIBUTORS, LLC	ILS PDH-11-2/0-3 POWER DISTRIBUTION BLOCK	07/24/2017	56.50
53689	SAN DIEGO GAS & ELECTRIC	MONTHLY GAS AND ELECTRIC SERVICE	07/24/2017	4,316.75
53694	WATER QUALITY SPECIALISTS	MONTHLY OPERATIONS - JUNE 2017	07/24/2017	1,950.00

Total for Department: 61 WASTEWATER 8,131.73

Total for Fund:02 SEWER FUND 8,131.73

Fund: 03 GENERAL

Department: 20

53626	PETTY CASH	SODA FOR BOARD MEMBERS	07/05/2017	16.26
53674	MIGUEL GASCA	TRAVEL REIMB GASCA- CSDA SPECIAL DISTRICT LEADERSHIP ACADEMY	07/24/2017	196.99
			Total for Department: 20 BOARD	213.25
Department: 36				
ACH	ANELLE MANAGEMENT SERVICES	VEH #75 SERVICE 5/2/17, LOOSE WIRES	07/05/2017	2,678.39
ACH	ANELLE MANAGEMENT SERVICES	DURATHON LEVEL 1 CLEANING FOR UNIT #71	07/19/2017	1,119.90
ACH	BP BATTERY	AGM GROUP 65, BATTERY MISC	07/31/2017	362.28
ACH	FLYERS ENERGY LLC	ORDER 195738-17, ULSD CARB DYED 200 UNITS	07/13/2017	995.28
ACH	FLYERS ENERGY LLC	FUEL & OIL, ORDER 193095-17	07/19/2017	1,601.53
ACH	FLYERS ENERGY LLC	ORDER 1212212-17, CARB REG 10% ETH 300 UNITS/DSL 100 UNITS	07/24/2017	3,327.30
ACH	FLYERS ENERGY LLC	ORDER 1217106-17, CARB REG 10% ETH 250 UNITS	07/31/2017	700.14
ACH	O'REILLY AUTO PARTS	AIR FILTER, OIL FILTER, FUEL FILTER, AIR FILTER	07/05/2017	175.18
ACH	O'REILLY AUTO PARTS	DISC PAD SET	07/13/2017	77.71
ACH	O'REILLY AUTO PARTS	AIR FILTER	07/19/2017	105.35
ACH	O'REILLY AUTO PARTS	OIL FILTERS AND AIR FILTER	07/24/2017	117.98
ACH	O'REILLY AUTO PARTS	C280P & D236P	07/31/2017	201.41
ACH	QUALITY CHEVROLET	#14 BLOWER MOTOR MODULE AND HARNESS	07/05/2017	85.20
53619	FALLBROOK AUTO PARTS	CABLE TIE, PAINT MARKER BLUE	07/05/2017	42.99
53622	HOME DEPOT	1 GAL. NU-CL	07/05/2017	476.96
53625	PETTY CASH	PROPANE FOR FORKLIFT	07/05/2017	20.37
53650	WINZER	CASE-10BX BLK NITR GLOVE XL	07/19/2017	354.69
53654	HEAVY VEHICLE ELECTRONIC LICENSE PLATE	MONTHLY SERVICE - JUN	07/19/2017	17.65
53668	DION INTERNATIONAL	CAP RAD SURGE TANK #72	07/24/2017	36.70
53671	FORD OF ESCONDIDO	BOX AS	07/24/2017	438.92
53679	NETWORK FLEET, INC.	MONTHLY AIRTIME CHARGES FOR GPS TRACKING - JUL 2017	07/24/2017	780.00
			Total for Department: 36 GARAGE	13,715.93
Department: 41				
ACH	ACCELA, INC. #774375	WEB PAYMENTS WITH ONLINE-BILLS.COM	07/19/2017	2,233.00
ACH	IMAGE SOURCE	MONTHLY COPY COUNT	07/31/2017	540.79
ACH	PUBLIC EMPLOYEES RETIREMENT	CALPERS REPLACEMENT BENEFIT FUND: D SEYMOUR	07/05/2017	354.73
ACH	REM MECHANICAL, INC	AC REPAIR - BUILDING 1	07/19/2017	360.00
ACH	REM MECHANICAL, INC	AC REPAIR - BUILDIN G1	07/24/2017	450.00
ACH	SOUTHWEST ANSWERING SERVICE, INC.	MONTHLY ANSWERING SERVICE	07/31/2017	1,255.09
ACH	STREAMLINE	MONTHLY WEB MANAGEMENT FEE	07/24/2017	300.00
ACH	WESTERN LANDSCAPE MAINTENANCE PLUS, INC.	LANDSCAPE MAINTENANCE SERVICE	07/31/2017	507.15
ACH	XEROX CORP.	MONTHLY LEASE	07/13/2017	1,462.23
53615	ADECCO USA, INC	STAFFING: A. ACHARTZ & A. LOPEZ-ZAMORANO (CS CLERKS)	07/05/2017	2,086.40
53616	AMERICAN WATER WORKS ASSOC.	MEMBERSHIP DUES, TERM: 09/01/2017-08/31/2018	07/05/2017	262.00
53617	CALIFORNIA URBAN WATER CONSERVATION COUNCIL	2017 DUES - REVISED INVOICE	07/05/2017	1,402.46
53626	PETTY CASH	SNACKS AND ICE FOR AVOCADO FESTIVAL	07/05/2017	375.71
53627	SAN DIEGO GAS & ELECTRIC	MONTHLY ELECTRIC SERVICE	07/05/2017	4,960.62
53628	VISTA FLOOD RESTORATION, INC.	MOLD REMOVAL AND CLEARANCE TESTING: 1059 LITTLE GOPHER CANYON RD	07/05/2017	71,561.91
53631	ADECCO USA, INC	STAFFING: A. ACHARTZ & A LOPEZ-ZAMORANO (CS CLERKS)	07/13/2017	2,086.40
53632	BONSALL PEST CONTROL	MONTHLY PEST CONTROL	07/13/2017	90.00
53634	COUNTY OF SAN DIEGO	ANNUAL LAFCO FOR FY 2017-18	07/13/2017	24,111.23
53635	COVERALL NORTH AMERICA, INC.	COMMERCIAL CLEANING SERVICES	07/13/2017	606.95
53636	MODULAR BUILDING CONCEPTS, INC	RENTAL AGREEMENT	07/13/2017	793.03
53639	CAPITAL ONE COMMERCIALS	YUBAN GOLD COFFEE, DURACELL BATTERIES	07/19/2017	275.61
53640	CORODATA SHREDDING, INC.	64 GALLON BIN - SHRED	07/19/2017	1,160.00
53642	FALLBROOK WASTE AND RECYCLING	MONTHLY REFUSE AND RECYCLE	07/19/2017	345.60
53644	INFOSEND, INC.	MONTHLY MAILING OF WATER BILLS AND NEWSLETTER	07/19/2017	569.49
53652	FALLBROOK WASTE AND RECYCLING	MONTHLY REFUSE AND RECYCLE	07/19/2017	85.00
53655	NATIONAL SAFETY COMPLIANCE,INC	DOT CERTIFIED DRUG TEST, ALCOHOL TEST, DRUG COLLECTION, FUEL SUR	07/19/2017	283.45
53657	SHRED-IT USA LLC	MONTHLY SERVICE AGREEMENT	07/19/2017	200.10
53661	ADECCO USA, INC	STAFFING: A. ACHARTZ & A. LOPEZ-ZAMORANO (CS CLERKS)	07/24/2017	3,755.52
53664	AT&T	MONTHLY PHONE SERVICE	07/24/2017	165.81
53665	COUNCIL OF WATER UTILITIES	TOM KENNEDY ATTENDING THE JULY 18, 2017 COWU MEETING	07/24/2017	25.00
53667	DELL BUSINESS CREDIT	R1000 EXT US 3.0 DRIVE BUNDLED WITH SW/CBL	07/24/2017	866.98
53675	HOME DEPOT	PRO SAFETY RED, MINI FRAME 6IN ROLL, WOVEN MINI	07/24/2017	107.87
53678	MITEL LEASING	LEASE AGREEMENT AND ADD ON 2	07/24/2017	720.70
53682	OCCUPATIONAL HEALTH CENTERS OF CA, A MEDICAL CORP	SERVICES PERFORMED AT CMC	07/24/2017	42.00
53685	QUALITY FENCE COMPANY	REPAIR OF WALK-THRU GATE ADJACENT TO EE YARD GATE	07/24/2017	450.00
53688	SAN DIEGO COUNTY ASSESSOR/RECORDER/CLERK	PROCESSING FEE FOR RECORDING RELEASE OF LIEN DOC (1)	07/24/2017	13.00
53692	TIME WARNER CABLE	MONTHLY INTERNET CONNECTION FEE	07/24/2017	1,250.00
53696	ADECCO USA, INC	STAFFING: A. ACHARTZ & A. LOPEZ-ZAMORANO (CS CLERKS)	07/31/2017	2,086.40

53698	MARILYN SUE PIKE	SETTLEMENT FOR DAMAGES DUE TO BROKEN MAINLINE PIPE	07/31/2017	5,800.00
Total for Department: 41 ADMINISTRATION				134,002.23
Department: 42				
53691	TEMECULA TROPHY CO.	20 YEAR & 10 YEAR ANNIVERSARY PLAQUES	07/24/2017	69.49
Total for Department: 42 HUMAN RESOURCES				69.49
Department: 43				
ACH	AIRGAS USA, LLC	SAFETY SUPPLIES: GLVS DSPBL, VST TWO-TONE, SALINE, ETC	07/19/2017	1,100.41
ACH	BOOT WORLD, INC	SAFETY BOOTS-A. LOPEZ	07/31/2017	399.75
ACH	T.R.Y. ENTERPRISES, INC.	PATROL SERVICE 7/1/17-7/31/17 (DISTRICT YARD & HUNTLEY PUMP STA)	07/24/2017	985.00
53633	STEPHEN COFFEY	TO REIMBURSE FOR PURCHASE OF SAFETY WORK BOOTS	07/13/2017	200.00
53647	LIFELINE RESCUE	CPR/1ST AID/AED TRAINING - 5 PEOPLE	07/19/2017	250.00
53662	ALERT LOCKSMITH	REPAIR ENTRY LOCK TO WAREHOUSE DOOR	07/24/2017	45.00
53670	E-Z UP DIRECT	ECLIPSE TOP 10' ROYAL BLUE WITH COVER BAG	07/24/2017	1,197.74
53675	HOME DEPOT	1/4X1/2 HMRST	07/24/2017	9.56
53680	NEW PIG CORP.	BARREL TOP ABSORBANT MAT	07/24/2017	280.41
Total for Department: 43 SAFETY				4,467.87
Department: 51				
53625	PETTY CASH	MAIL DMV DOCUMENTS CERTIFIED	07/05/2017	6.59
53644	INFOSEND, INC.	MONTHLY MAILING OF WATER BILLS AND NEWSLETTER	07/19/2017	2,788.99
Total for Department: 51 FINANCE				2,795.58
Department: 52				
ACH	MISSION RESOURCE CONSERVATION DISTRICT	HOME WATER USE EVALUATIONS - JUNE 2017	07/19/2017	289.00
ACH	TCN, INC	MONTHLY 48 HOUR NOTICE CALLS	07/19/2017	34.83
53644	INFOSEND, INC.	MONTHLY MAILING OF WATER BILLS AND NEWSLETTER	07/19/2017	1,007.61
Total for Department: 52 CUSTOMER SERVICE				1,331.44
Department: 91				
ACH	BABCOCK LABORATORIES, INC	MONTHLY WATER ANALYSIS	07/19/2017	110.00
ACH	NOBEL SYSTEMS	GIS UPDATES FOR THE HORSE CREEK RIDGE DEVELOPMENT	07/05/2017	85,915.00
53621	FIRST AMERICAN TITLE INSURANCE	TITLE RPRT, PLTTD EASEMENTS-RMWD PRPRTY 125-231-18 & 125-231-26	07/05/2017	1,500.00
53623	INFRASTRUCTURE ENGINEERING	R.A. WEESE FILTRATION PLANT INTERCONNECT PROJECT	07/05/2017	62,523.22
53666	DEBORAH E. HAYDIS 2010 TRUST	PURCHASE AGREEMENT_PERM DISTRICT EASEMENT ON PARCEL 127-511-15	07/24/2017	5,000.00
53693	TORY R. WALKER ENGINEERING, INC.	MOOSA CANYON HYDROLOGIC ANALYSIS	07/24/2017	6,582.50
53697	EXCEL SHEET METAL, INC.	QUANTITY 1: 120' X 6' H-SECTION PRATT TRUSS TUBULAR STEEL PIPE	07/31/2017	51,975.00
Total for Department: 91 ENGINEERING				213,605.72
Total for Fund:03 GENERAL FUND				370,201.51
Fund: 26 NEW				
Department: 00				
53669	DLM ENGINEERING, INC.	WMP/GENERAL CONSULTING SERVICES	07/24/2017	1,235.00
Total for Department: 00				1,235.00
Total for Fund:26 NEW WATER SOURCES FUND				1,235.00
Fund: 39 SRF LOAN				
Department: 00				
53646	KONECRANES, INC.	COMPLETED QUARTERLY INSPECTION 3 MOBILE CRANES, JUNE 2017	07/19/2017	945.00
53649	WELLS FARGO BANK	ADMINISTRATIVE CHARGE FOR CORP TRUST SERVICES - BECK	07/19/2017	1,000.00
Total for Department: 00				1,945.00
Total for Fund:39 SRF LOAN MORRO				1,945.00
Fund: 52 SEWER				
Department: 00				

ACH	COMMONWEALTH LAND TITLE COMPANY	PAYMENT FOR CLOSING COSTS OF THE LS1A PROPERTY APN 126-452-01	07/05/2017	5,450.00
ACH	KENNEDY/JENKS CONSULTANTS INC	LIFT STATION 1 REPLACEMENT INVOICE	07/24/2017	15,794.26
			Total for Department: 00	21,244.26
			Total for Fund:52 SEWER CAPITAL REPLACEMEN	21,244.26
Fund: 53 SEWER				
Department: 00				
53663	AMES CONSTRUCTION, INC	HIGHWAY 76 PROJECT- ADDITIONAL MANHOLES AND REHAB	07/24/2017	85,769.15
			Total for Department: 00	85,769.15
			Total for Fund:53 SEWER CAPITAL EXPANSION	85,769.15
Fund: 60 WTR CAP				
Department: 00				
ACH	PSOMAS	GIRD/MONSERATE HILL WATERLINE DESIGN	07/05/2017	1,889.25
ACH	PSOMAS	GIRD/MONSERATE HILL WATERLINE DESIGN	07/24/2017	1,396.25
53623	INFRASTRUCTURE ENGINEERING	PUMP STATION #1 NATURAL GAS MOTOR REPLACEMENTS	07/05/2017	7,868.00
			Total for Department: 00	11,153.50
			Total for Fund:60 WTR CAP EXPANSION/REPLAC	11,153.50
			Grand Total	2,696,682.27

Comparative Water Sales YTD from Prior Years

FISCAL YEAR 2017-2018

Quantity of Meters	User Code	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Acre Feet
591	AD	33368												77
403	AG	143947												330
5	C	0												-
231	CM	33760												78
30	CN	2468												6
24	IS	2320												5
88	MF	11472												26
326	SC	179822												413
1034	SD	246972												567
5122	SF	175041												402
7854	Total	829170	0	0	0	0	0	0	0	0	0	0	0	1,904

FISCAL YEAR 2016-2017

Quantity of Meters	User Code	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Acre Feet
591	AD	36216												83
403	AG	156957												360
5	C	0												-
231	CM	47830												110
30	CN	4900												11
24	IS	3806												9
88	MF	11307												26
326	SC	183744												422
1034	SD	279246												641
5122	SF	187516												430
7854	Total	911522	0	0	0	0	0	0	0	0	0	0	0	2,093

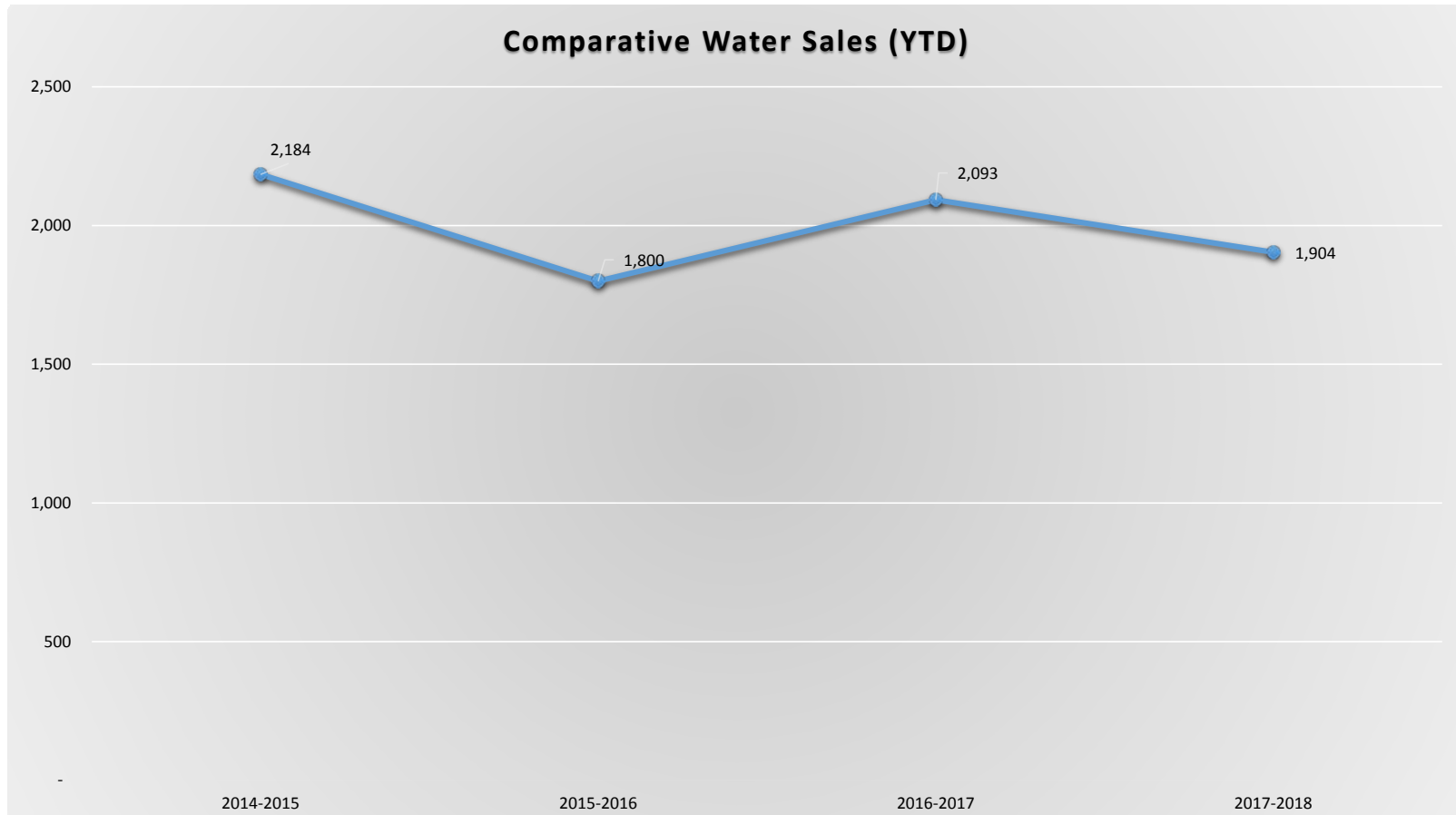
FISCAL YEAR 2015-2016

Quantity of Meters	User Code	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Acre Feet
601	AD	29891												69
404	AG	143174												329
6	C	4342												10
221	CM	28620												66
37	CN	6680												15
24	IS	2773												6
88	MF	11351												26
326	SC	162756												374
1038	SD	245736												564
5092	SF	148573												341
7837	Total	783896	0	0	0	0	0	0	0	0	0	0	0	1,800

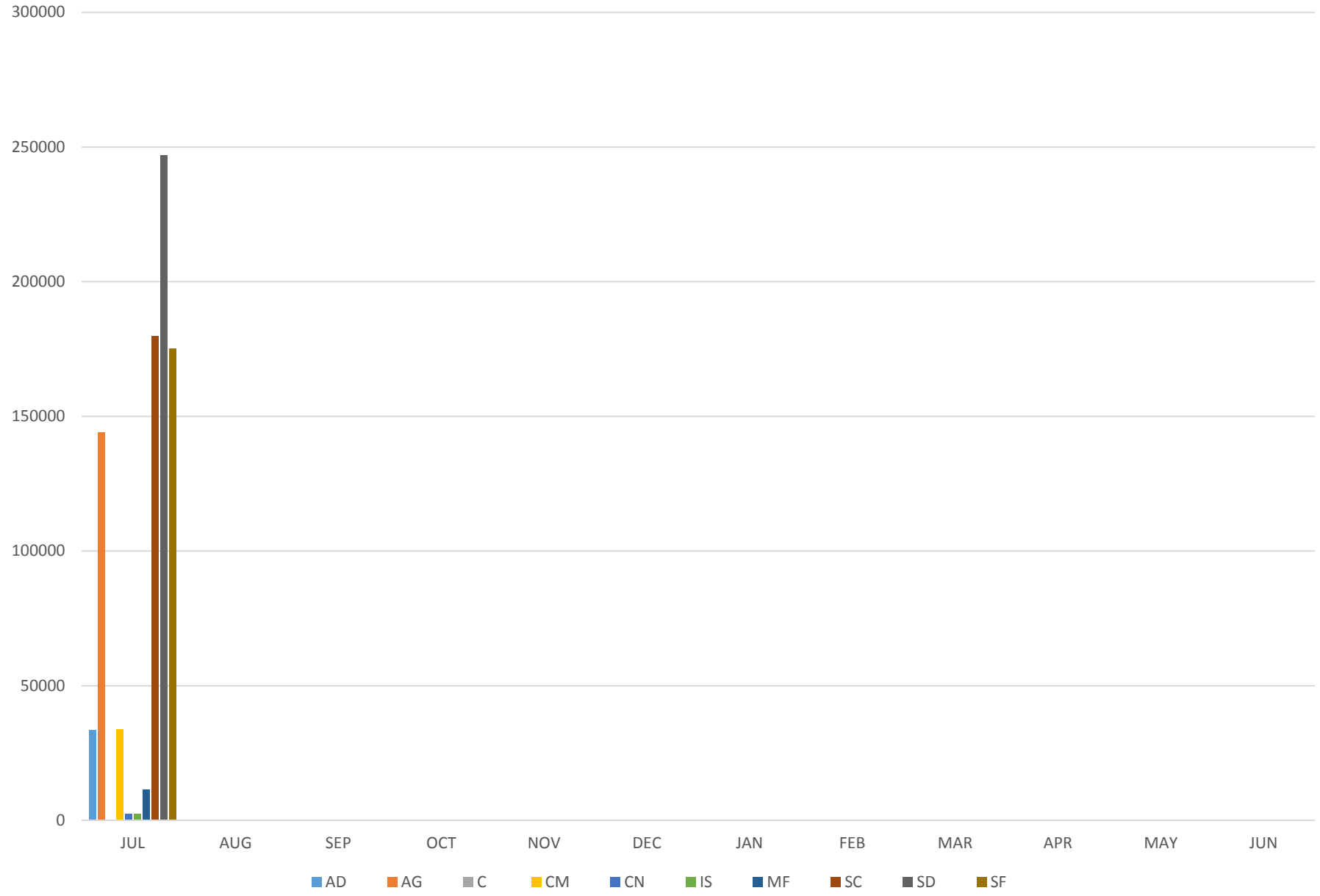
FISCAL YEAR 2014-2015

Quantity of Meters	User Code	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Acre Feet
426	A	118146												271
341	C	102461												235
36	CN	3175												7
5558	D	220019												505
96	MF	15917												37
323	SC	207708												477
1040	SD	284083												652
7820	Total	951509	0	0	0	0	0	0	0	0	0	0	0	2,184

Comparative Water Sales YTD from Prior Years



USAGE BY CUSTOMER CLASS FY 17-18





**SEWER EQUIVALENT DWELLING UNITS (EDUs) STATUS REPORT
AUGUST 2017**

STATUS SUMMARY	EDUs
Total Treatment Capacity Purchased from Oceanside	8,333.33
Less 5% Contractual Allowance	416.67
EDUs Set Aside by Board for Emergencies	60.00
EDUs Connected	3,933.34
EDUs Unconnected	1,277.96
Total EDUs Available for Purchase:	2,645.37

DEVELOPMENTS WITH UNCONNECTED EDUs	EDUs	CAPACITY FEES PAID
Others (Misc. SFR)	21.40	\$ 320,034
Golf Green Estates (Dev. Solutions)	102.46	\$ 1,777,700
Horse Creek Ridge/ Passarelle	850.57	\$ -
Palomar College	100.00	\$ -
Polo Club (Vista Valley Dev.)	59.85	\$ 1,022,775
Pala Mesa Highlands (Beazer Homes)	124.00	\$ 965,007 *
Lake Vista Estates (Arestad 1.48)/Johansson 1.2)	2.68	\$ 45,890
Vista Valley Country Club	5.00	\$ 85,450
Silver Holdings	9.00	\$ 153,810
VNUIT LLC (Kakileti)	3.00	\$ 51,270
TOTAL UNCONNECTED:	1,277.96	\$ 4,421,936

*Deferred Total Payment until Building Permits are Issued.

