



RANCHO MURIETA COMMUNITY SERVICES DISTRICT

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RANCHO MURIETA, CALIFORNIA 95683
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AGENDA

*“Your Independent Local Government Agency Providing
Water, Wastewater, Drainage, Security, and Solid Waste Services”*

REGULAR BOARD MEETING

September 20, 2017

Call to Order and Closed Session 4:00 p.m. / Open Session 5:00 p.m.
District Administration Building – Board Room
15160 Jackson Road
Rancho Murieta, CA 95683

BOARD MEMBERS

Mark Pecotich	President
Morrison Graf	Vice President
Les Clark	Director
John Merchant	Director
Gerald Pasek	Director

STAFF

Edward R. Crouse	Interim General Manager
Steve Mobley	Interim Security Chief
Paul Siebensohn	Director of Field Operations
Eric Thompson	Controller
Suzanne Lindenfeld	District Secretary

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

SEPTEMBER 20, 2017

REGULAR BOARD MEETING

Call to Order and Closed Session 4:00 p.m. / Open Session 5:00 p.m.

All persons present at District meetings will place their cellular devices in silent and/or vibrate mode (no ringing of any kind). During meetings, these devices will be used only for emergency purposes and, if used, the party called/calling will exit the meeting room for conversation. Other electronic and internet enabled devices are to be used in the "silent" mode. Under no circumstances will recording devices or problems associated with them be permitted to interrupt or delay District meetings.

AGENDA

- | | ESTIMATED RUNNING TIME |
|--|------------------------|
| 1. CALL TO ORDER - Determination of Quorum – President Pecotich (Roll Call) | 4:00 |
| 2. CONSIDER ADOPTION OF AGENDA (<i>Motion</i>)
<i>The running times listed on this agenda are only estimates and may be discussed earlier or later than shown. At the discretion of the Board, an item may be moved on the agenda and or taken out of order.</i> | |
| 3. EMPLOYEE ANNOUNCEMENTS, PROMOTIONS, COMMENDATIONS, AND KUDOS
A. Patrol Officer Jeff Werblun Promoted to Security Sergeant, Effective September 1, 2017 | |
| 4. CLOSED SESSION
<i>Under Government Code 54957: Public Employee Employment: Title: General Manager.</i>

<i>Under Government Code 54957.6: Conference with designated Labor Negotiator Edward R. Crouse, regarding negotiations with the International Union of Operating Engineers, Local 3, AFL-CIO.</i>

<i>Under Government Code section 54956.8: Conference with General Manager Ed Crouse (as real property negotiator) concerning price and terms of payment relating to groundwater well easement on Sacramento County APN 073-0180-027 and Carol Anderson Ward Trust as the other negotiating party.</i> | |
| 5. OPEN SESSION/REPORT ACTION FROM CLOSED SESSION
<i>The Board will discuss items on this agenda, and may take action on those items, including informational items and continued items. The Board may also discuss other items that do not appear on this agenda, but will not act on those items unless action is urgent, and a resolution is passed by a two-thirds (2/3) vote declaring that the need for action arose after posting of this agenda.</i>

<i>The running times listed on this agenda are only estimates and may be discussed earlier or later than shown. At the discretion of the Board, an item may be moved on the agenda and or taken out of order. TIMED ITEMS as specifically noted, such as Hearings or Formal Presentations of community-wide interest, will not be taken up earlier than listed.</i> | 5:00 |
| 6. COMMENTS FROM THE PUBLIC
<i>Members of the public may comment on any item of interest within the subject matter jurisdiction of the District and any item specifically agendized. Members of the public wishing to address a specific agendized item are encouraged to offer their public comment during consideration of that item. With certain exceptions, the Board may not discuss or take action on items that are not on the agenda.</i> | |

If you wish to address the Board at this time or at the time of an agenda item, as a courtesy, please state your name and address. Speakers presenting individual opinions shall have 3 minutes to speak. Speakers presenting opinions of groups or organizations shall have 5 minutes per group.

- 7. CONSENT CALENDAR (Motion) (Roll Call Vote) (5 min.)** All items in Agenda Item 7 will be approved as one item if they are not excluded from the motion adopting the consent calendar.
 - A. Approval of Board and Committee Meeting Minutes
 1. August 16, 2017 Regular Board Meeting
 2. August 21, 2017 Special Board Meeting
 3. August 30, 2017 Special Board Meeting
 4. September 5, 2017 Improvements Committee Meeting
 5. September 5, 2017 Finance Committee Meeting
 6. September 7, 2017 Security Committee Meeting
 - B. Approval of Bills Paid Listing
- 8. STAFF REPORTS (Receive and File)**
 - A. General Manager's Report
 - B. Administration/Financial Report
 - C. Security Report
 - D. Water/Wastewater/Drainage Report
- 9. CORRESPONDENCE**
 - A. Letter to Paul Siebensohn from Jeff Stanger
- 10. CONSIDER ADOPTION OF RESOLUTION R2017-10, IN HONOR OF MICHAEL SCARZELLA, SECURITY PATROL SERGEANT (Discussion/Action) (Motion) (Roll Call Vote) (5 min.)**
- 11. PRESENTATION FROM GREG VORSTER, GENERAL MANAGER, RANCHO MURIETA ASSOCIATION, REGARDING RANCHO MURIETA'S MASTER TRAIL PLAN (Discussion/Action) (20 min.)**
- 12. RECEIVE UPDATE ON LAGUNA JOAQUIN AND DETENTION BASINS (Discussion/Action) (10 min.)**
- 13. REVIEW WATER SUPPLY AUGMENTATION AND CAPITAL IMPROVEMENT FEE STUDY UPDATE AND ORDINANCE AMENDING COMMUNITY FACILITIES FEE – PRESENTATION BY COASTLAND ENGINEERING (Discussion/Action) (20 min.)**
- 14. CONSIDER APPROVAL OF CONTRACT WITH D. MARTINEZ CONSTRUCTION FOR REPAIRS TO THE JAMES L. NOLLER SAFETY CENTER (Discussion/Action) (Motion) (Roll Call Vote) (5 min.)**

15. **CONSIDER APPROVAL OF CONTRACT WITH MOTOROLA SOLUTIONS FOR THE PURCHASE OF MOTOROLA PORTABLE RADIOS FOR THE SECURITY DEPARTMENT**
(Discussion/Action) (Motion) **(Roll Call Vote)** (5 min.)
16. **CONSIDER APPROVAL OF EMERGENCY WELL USE AGREEMENT AND EASEMENT**
(Discussion/Action) (Motion) **(Roll Call Vote)** (5 min.)
17. **CONSIDER ACCEPTANCE OF APPARENT LOW BID AND CONSIDER CONTRACT AWARD TO BRADLEY & SONS, INC., FOR THE EMERGENCY WELL PROJECT** (Discussion/Action)
(Motion) **(Roll Call Vote)** (5 min.)
18. **CONSIDER APPROVAL OF GENERAL MANAGER EMPLOYMENT AGREEMENT WITH MARK MARTIN** (Discussion/Action) (Motion) **(Roll Call Vote)** (5 min.)
19. **CONSIDER CONFERENCE/EDUCATION OPPORTUNITIES** (Discussion/Action) (Motion) (5 min.)
 - A. Approve Paul Siebensohn to attend the American Water Works Association Fall Conference in Reno, Nevada - October 23 thru 26, 2017.
20. **REVIEW DISTRICT MEETING DATES /TIMES FOR OCTOBER 2017**
 - A. Improvements – October 3, 2017 at 8:30 a.m.
 - B. Finance – October 3, 2017 at 9:30 a.m.
 - C. Personnel – October 3, 2017 at 10:00 a.m.
 - D. Security – October 5, 2017 at 4:00 p.m.
 - E. Communications – October 5, 2017 at 4:30 p.m.
 - F. Regular Board Meeting – October 18, 2017 - open session at 5:00 p.m.
21. **DIRECTOR COMMENTS/SUGGESTIONS**
*In accordance with Government Code 54954.2(a), **Directors and staff** may make brief announcements or brief reports of their own activities. They may ask questions for clarification, make a referral to staff or take action to have staff place a matter of business on a future agenda.*
22. **ADJOURNMENT** (Motion)

"In accordance with California Government Code Section 54957.5, any writing or document that is a public record, relates to an open session agenda item and is distributed less than 72 hours prior to a regular meeting, will be made available for public inspection in the District offices during normal business hours. If, however, the document is not distributed until the regular meeting to which it relates, then the document or writing will be made available to the public at the location of the meeting."

Note: This agenda is posted pursuant to the provisions of the Government Code commencing at Section 54950. The date of this posting is September 15, 2017. Posting locations are: 1) District Office; 2) Rancho Murieta Post Office; 3) Rancho Murieta Association; 4) Murieta Village Association.

MEMORANDUM

Date: September 11, 2017
To: Board of Directors
From: Steve Mobley, Interim Security Chief
Subject: Promotion of Patrol Officer Jeff Werblun

After careful consideration and review of the applicants, I am pleased to announce that on September 2, 2017, Patrol Officer Jeff Werblun promoted to the position of Security Sergeant. Jeff brings with him 28 years of law enforcement and supervisory experience that will greatly enhance the professionalism of our Department. In addition, Jeff also set himself apart from other candidates due to his great relationships with managers and staff throughout the District and by his enthusiasm for his chosen career.



**RANCHO MURIETA COMMUNITY SERVICES DISTRICT
REGULAR BOARD MEETING**

August 16, 2017

Call to Order and Closed Session 4:00 p.m. / Open Session 5:00 p.m.

1. CALL TO ORDER/ROLL CALL

President Mark Pecotich called the Regular Board Meeting of the Board of Directors of Rancho Murieta Community Services District to order at 4:00 p.m. in the District meeting room, 15160 Jackson Road, Rancho Murieta. Directors present were Mark Pecotich, Morrison Graf, Les Clark, and Gerald Pasek. Director John Merchant was absent. Also, present were Edward R. Crouse, Interim General Manager; Paul Siebensohn, Director of Field Operations; Eric Thompson, Controller; Suzanne Lindenfeld, District Secretary; and Richard Shanahan, District General Counsel.

2. ADOPT AGENDA

Motion/Clark to adopt the agenda with addition of Agenda Item 5.5 Discuss Laguna Joaquin Issue. Second/Graf. Ayes: Pecotich, Graf, Clark, Pasek. Noes: None. Absent: Merchant. Abstain: None.

3. EMPLOYEE ANNOUNCEMENTS, PROMOTIONS, COMMENDATION, AND KUDDOS

None.

4. BOARD ADJOURNED TO CLOSED SESSION AT 4:03 P.M. TO DISCUSS THE FOLLOWING ITEM:

Under Government Code Section 54957: Public Employee Performance Evaluation of the General Manager.

5. BOARD RECONVENED TO OPEN SESSION AT 5:00 P.M. AND REPORTED THE FOLLOWING:

Under Government Code Section 54957: Public Employee Performance Evaluation of the General Manager.

Nothing to report.

5.5 DISCUSS LAGUNA JOAQUIN ISSUE

President Pecotich started the discussion by stating what an awful thing it was that happened this past weekend, that the District takes this matter seriously, staff is looking at what happened, and then put together a plan to prevent this from happening again. There is no one thing that triggered the fish to die, it was a perfect storm. President Pecotich thanked both District and Rancho Murieta Association (RMA) employees for all the time and effort they put forth cleaning up Laguna Joaquin.

Edward R. Crouse stated that he agrees with the community that any fish kill is unacceptable. The District takes responsibility for the incident, will be evaluating the incident, and making changes to policies and procedures as needed to prevent this from re-occurring. Mr. Crouse clarified several misconceptions in the community, including the perception of the fish dying immediately after treatment, when it happened eight (8) days later; clarification on the dosage amount of the treatment which was 10 lbs. put in at the cove not the entire lake; clarification that District staff was on hand actively helping with the clean-up Saturday and Sunday; clarification on the CIA Ditch construction, which began mid-June was discussed and agreed to between the District, RMA and developer. No single event caused the fish to die; the low water levels, high temperatures, algae treatment all contributed to the incident. The District is committed to making it right and taking whatever measures need to prevent it from happening again.

Bill Ossolinski commented that as a fisherman, the fish kill was appalling to him, that the fish are important in the community, and restocking the lake will be expensive.

Sandra Stadnik asked that the District check the toxicity of the dead fish; how it was possible to treat just the area around the pumps and not expect it to spread; and if the staff applying the treatments is correctly certified. Edward R. Crouse stated that staff has not examined the fish but did take samples of the water, tested the water, and found that the alga was nontoxic. Staff first applied the granular material at the shoreline, and then later applied to the spillway adjacent to the pump station, which is considered a dead area since there is no water flow in and out of the cove. Staff is certified through the State.

Tom Matthews commented on his concern with the incident and asked if a sample of the fish was taken to be autopsied to get a definite answer; how many agricultural customers does the District have; what is the cost of holding the water in the community; and what are the agricultural customers being charged for the water. President Pecotich stated that what he heard from Mr. Matthews is wanting a definite report out of what occurred and answer to the community moving ahead, which is what the District has committed to tonight.

Jay Solomon commented on the silt at the bottom of the lake and asked if the District or RMA will be cleaning it. Edward R. Crouse stated that RMA owns the lake and the District has an easement to store water in the lake so it is one of those gray areas as to who maintains the bottom of the lake. Cleaning the lake is a topic that comes up every four (4) or five (5) years and is tabled for a variety of reasons including timing and the cost. President Pecotich stated that the District would be working with RMA to get these things sorted out and the work done.

Brian Donnelly commented on his concerns and asked if testing was done before the treatment was applied; what the OS levels were prior to the treatment in relation to what they are now; what type of chemical was used; what is going to be done about the cleanup; and asked that the District post signs when a treatment has been applied to the lakes. Edward R. Crouse stated that staff more than likely did not test right before applying the copper sulfate. When tested on Friday, the dissolved oxygen level was down to nearly 2 near the pump station and by Monday it was back up to 6 and Wednesday up to 8. The type of chemical applied was ten pounds (10 lbs.) granular of copper sulfate, which equates to less than one (1) part per million. Regarding touching the water, it is normal practice for both the District and RMA to have general rules and guidelines for fishing in that area. The first is to not eat the fish and second is normal hygiene practice, which is to wash hands after touching the fish. President Pecotich stated that the cleanup of the chemical is something staff will work at and report to the community.

Bob Donnelly commented on his concerns with the incident and asked what level of expertise was used in deciding to use that particular chemical; has the Department of Fish and Wildlife notified; and if so, what is their position. Edward R. Crouse stated that all applicators are licensed as certified pesticide and herbicide applicators by the State of California. They follow all protocols outlined by the product manufacturer and supplier, follow written instruction; and they have the MSDS catalogue cuts. The District has used this product for over 25 years. Mr. Donnelly asked if something went wrong. President Pecotich commented that a number of things contributed to this including water level and heat. This had occurred back in the late 1980s/early 1990s. Mr. Crouse stated that he is not aware of anything regulation requiring the District to report the incident to the Department of Fish and Wildlife but will look in to it and report if needed.

Myrna Solomon commented on her concerns regarding the dead fish.

Judith Embry commented on her concerns and asked why the drawdown of the water. Edward R. Crouse stated that there are two (2) causes. One is that the CIA Ditch is being piped south of the highway and no water can flow through while the working in going on. The water that normally flows through the CIA Ditch flows into Laguna Joaquin. The other cause is evaporation and irrigation.

Greg Wheeler asked if the District would consider using Sacramento State University to assess what happened. Edward R. Crouse stated he would get in touch with him after the meeting.

Alvin Sommers commented on the sources of inflow to Laguna Joaquin and the possibility of using water from other lakes to fill Laguna Joaquin. Edward Crouse stated that it has always been a policy of the Board of Directors to not allow the release of water from water supply reservoirs. Mr. Sommers asked if the water is pumped from the Cosumnes River. Mr. Crouse stated the water comes from the Cosumnes River and that it flows by gravity, no pumping is used. If there is insufficient flow from the Cosumnes, then no water can flow down the CIA Ditch to Laguna Joaquin. President Pecotich stated that it is tied to the water rights the District has for the Cosumnes River. Director Clark commented on staff having accelerated some of the hydrant flushing, allowing water to flow into Laguna Joaquin. Mr. Sommers asked where Rancho Murieta Country Club (RMCC) get their water from. Mr. Crouse stated that RMCC uses recycled water from the District's facilities during the summer months.

Mary Brennan commented on her feeling that the District and RMA should get together and decide who is going to maintain Laguna Joaquin. Ms. Brennan stated that she feels RMA should be responsible for it. Jay Solomon stated that he thinks the District should be responsible for it.

President Pecotich thanked everyone for coming out and voicing their concerns and restated that the District is committed to working with RMA and the community to figure this out.

6. COMMENTS FROM THE PUBLIC

None.

7. CONSENT CALENDAR

Motion/Clark to adopt the consent calendar. Second/Graf. Roll Call Vote: Ayes: Pecotich, Graf, Clark, Pasek. Noes: None. Absent: Merchant. Abstain: None.

8. STAFF REPORTS

Under Agenda Item 8A, President Pecotich stated that the Security Assessment consultants contacted him and arranged for a phone interview.

Under Agenda Item 8C, Edward R. Crouse stated that Interim Security Chief Mobley is focusing his efforts on meeting with the various homeowner associations and other community stakeholders to get clarification on their expectations of the Security Department.

9. CORRESPONDENCE

None.

10. PUBLIC HEARING TO CONSIDER PLACING DELINQUENT ACCOUNTS ON TAX ROLLS OF SACRAMENTO COUNTY FOR COLLECTION

Eric Thompson gave a brief summary of the recommendation to place delinquent accounts on the Sacramento County tax rolls. The County purchases these delinquencies, using the Teeter Plan, and the District receives payment from the County dollar for dollar. This is done annually in August.

President Pecotich opened the public hearing at 6:16 p.m. and asked for public comments. There were no comments.

President Pecotich closed the public hearing at 6:17 p.m.

Motion/Pecotich to adopt Resolution R2017-08 placing delinquent water, sewer, solid waste, security and/or drainage charges/taxes on the Sacramento County tax rolls to be purchased by Sacramento County under the Teeter Plan. Second/Graf. Roll Call Vote; Ayes: Pecotich, Graf, Clark, Pasek. Noes: None. Absent: Merchant. Abstain: None.

11. CONSIDER ADOPTION OF DISTRICT RESOLUTION R2017-09, COMMUNITY FACILITIES DISTRICT 2014-1 ANNUAL SPECIAL TAX LEVIES

Eric Thompson gave a brief summary of the recommendation to adopt Resolution R2017-09 placing CFD #2014-1 annual bond levies on the Sacramento County Tax Rolls. This is done annually in August.

Motion/Graf to adopt Resolution R2017-09 for Community Facilities District No. 2014-1 placing the annual bond levies on the Sacramento County Tax Rolls for the 2017-2018 fiscal year. Second/Clark. Roll Call Vote; Ayes: Pecotich, Graf, Clark, Pasek. Noes: None. Absent: Merchant. Abstain: None.

12. CONSIDER ADOPTION OF RESOLUTION R2017-10 AUTHORIZING SALE OF DISTRICT SURPLUS EQUIPMENT

Edward R. Crouse gave a brief summary of the recommendation to adopt Resolution R2017-09, authorizing the sale of District surplus property. The patrol vehicles were replaced in 2016 but the vehicles were not surplus. Adopting the Resolution and declaring these vehicles surplus allows the District to trade-in, sell, or salvage the vehicles.

Motion/Clark to adopt Resolution R2017-10 Authorizing the Sale of District Surplus Equipment. Second/Graf. Roll Call Vote; Ayes: Pecotich, Graf, Clark, Pasek. Noes: None. Absent: Merchant. Abstain: None.

13. CONSIDER ADOPTION OF THE UPDATE TO THE DISTRICT'S INJURY AND ILLNESS PREVENTION PROGRAM

Edward R. Crouse gave a brief summary of the recommendation to adopt the update to the District's Injury and Illness Prevention Program (IIPP). Golden State Risk Management Authority (GSRMA) will be conducting training on this program for staff in October and staff will look into having refresher training done annually.

Motion/Graf to adopt the update to the District's Injury and Illness Prevention Program. Second/Pasek. Roll Call Vote; Ayes: Pecotich, Graf, Clark, Pasek. Noes: None. Absent: Merchant. Abstain: None.

14. CONSIDER ADOPTION OF DISTRICT POLICY P2017-03, DEBT MANAGEMENT

Edward R. Crouse gave a brief summary of the recommendation to adopt District Policy P2017-03, Debt Management. Senate Bill 1029 (SB 1029) which became effective on January 1, 2017, amended California Government Code 8855 by adding certain requirements related to the issuance and administration of debt by local agencies, including requiring the adoption of a debt management policy that meets the requirements of California Government Code 8855.

Motion/Clark to adopt District Policy P2017-03, Debt Management. Second/Graf. Roll Call Vote; Ayes: Pecotich, Graf, Clark, Pasek. Noes: None. Absent: Merchant. Abstain: None.

15. CONSIDER PAYMENT OF CONSULTING FEES FOR PREPARATION OF THE CAPITAL IMPROVEMENT AND WATER AUGMENTATION FEES REPORT

Eric Thompson gave a brief summary of the recommendation to approve payment of the consulting fees for preparation of the Capital Improvement and Water Augmentation Fees Report. Board approval of the funding of the Capital Improvement and Water Augmentation Report at their November 16, 2016 Board Meeting did not include how/where the study was to be funded. The Improvements Committee recommends fifty percent (50%) from Capital Improvements Projects Reserves and fifty percent (50%) from Water Augmentation Reserves.

Motion/Clark to approve funding of Coastland's Capital Improvement and Water Augmentation Fee Study, fifty percent (50%) from Capital Improvements Projects Reserves and fifty percent (50%) from Water

Augmentation Reserves. Second/Pasek. Roll Call Vote; Ayes: Pecotich, Graf, Clark, Pasek. Noes: None. Absent: Merchant. Abstain: None.

16. CONSIDER APPROVAL OF QUOTE FROM N.J. McCUTCHEN, INC., FOR REPLACEMENT OF WASTEWATER RECLAMATION PLANT HYDROPNEUMATIC TANK

Paul Siebensohn gave a brief summary of the recommendation to approve the quote from N.J. McCutchen, Inc., for replacement of the wastewater reclamation plant hydropneumatic tank. The current hydropneumatic tank has been in operation since 1982 and its metal housing is wearing thin.

Motion/Clark to approve quote from N.J. McCutchen, Inc. for replacement of the wastewater reclamation plant hydropneumatic tank, in an amount not to exceed \$34, 202 + tax. Funding to come from Wastewater Replacement Reserves. **Second/Pasek. Roll Call Vote; Ayes: Pecotich, Graf, Clark, Pasek. Noes: None. Absent: Merchant. Abstain: None.**

17. CONSIDER APPROVAL OF QUOTE FROM PRODIGY ELECTRIC, INC. FOR REPLACEMENT OF THE MICHIGAN BAR SUB-DRAIN PANEL

Paul Siebensohn gave a brief summary of the recommendation to approve the quote from Prodigy Electric, Inc., for replacement of the Michigan Bar sub-drain panel. The panel is over 20 years old and has been failing in multiple ways. The bid is to remove and install new sub-drain motor control panel, including demo of old concrete, install new concrete, wiring, new panel, and controls.

Motion/Graf to approve the quote from Prodigy Electric, Inc., for replacement of the Michigan Bar sub-drain panel. **Second/Pasek. Roll Call Vote; Ayes: Pecotich, Graf, Clark, Pasek. Noes: None. Absent: Merchant. Abstain: None.**

18. CONSIDER APPROVAL OF THE PROPOSAL FROM HDR, INC., FOR EMERGENCY WELL PROJECT ENVIRONMENTAL MITIGATION MEASURES MONITORING IMPLEMENTATION

Paul Siebensohn gave a brief summary of the recommendation to approve the proposal from HDR, Inc., for the Emergency Well Project environmental mitigation measures monitoring implementation. The CEQA Environmental Initial Study and Proposed Mitigation Negative Declaration (IS-MND) for this project outlines mitigation measures to be implemented during the project. These mitigation measures would reduce impacts to special status species to a designation of "less than significant" when implemented. This proposal includes optional tasks for Regional Board Stormwater Permit coverage, totaling \$6,600, which may not be necessary.

Motion/Clark to approve the quote from HDR, Inc. for Well Project Environmental Mitigation Measures Implementation, in an amount not to exceed \$8,223. If the raptors are not needed, those funds to be used for alternate items in the bid. Funding to come from Water Augmentation Reserves. **Second/Pasek. Roll Call Vote; Ayes: Pecotich, Graf, Clark, Pasek. Noes: None. Absent: Merchant. Abstain: None.**

19. CONSIDER ACCEPTANCE OF APPARENT LOW BID AND CONSIDER CONTRACT AWARD TO BRADLEY & SONS, INC., FOR THE EMERGENCY WELL PROJECT

Paul Siebensohn gave a brief summary of the recommendation to accept the bid and award contract to Bradley & Sons, Inc., for the Emergency Well Project for the base bid plus all alternative items, as well as a ten percent (10%) contingency, to cover all potential costs for this project and to avoid any potential delays with additional approvals. Awarding of the project was predicated on the District receiving a Right of Entry Agreement or ownership for the proposed well site. The Agreement for Limited Right of Entry for Test Well Drilling, signed by Carol Anderson Ward, received Friday, August 11, 2017. After a discussion, the Board agreed, by consensus, to hold off on this item to allow staff to work with the landowner on an agreed to permanent easement and use agreement and a reduction of the liability insurance for the right of entry. A tentative Special Board Meeting is scheduled for August 30, 2017 at 5:00 p.m. to re-address this item.

20. CONSIDER APPROVAL OF QUOTE FROM A LEAP AHEAD IT FOR REPLACEMENT OF ADMINISTRATION NETWORK SERVER

Edward R. Crouse gave a brief summary of the recommendation to approve the quote from A Leap Ahead IT for replacement of the administration server.

Motion/Graf to approve the quote from A Leap Ahead IT for replacement of the administration network server in an amount not to exceed \$6,465.80 and a charge not to exceed \$900 for the installation and migration from our existing server to the new server. Funding to come from Administration Capital Replacement Reserves. **Second/Clark. Roll Call Vote; Ayes: Pecotich, Graf, Clark, Pasek. Noes: None. Absent: Merchant. Abstain: None.**

21. CONSIDER CONFERENCE/EDUCATION OPPORTUNITIES

A. Approve Travis Bohannon, Chief Plant Operator, and Cory Xavier, Plant Operator, to attend the 2017 Ultrafiltration Users Group September 17-19, 2017 in Las Vegas, Nevada.

Motion/Clark to approve Travis Bohannon, Chief Plant Operator and Cory Xavier, Plant Operator to attend the 2017 Ultrafiltration Users Group in Las Vegas, September 17 – 19, 2017. **Second/Pasek. Ayes: Pecotich, Graf, Clark, Pasek. Noes: None. Absent: Merchant. Abstain: None.**

21. REVIEW SEPTEMBER BOARD/COMMITTEE MEETING DATES/TIMES

Director Graf will not be attending the September Improvements and Personnel Committee meetings.

Special Board Meeting scheduled for August 21, 2017 at 8:30 a.m. to conduct General Manager interviews.

Special Board Meeting tentatively scheduled for August 30, 2017 at 5:00 p.m. regarding the Emergency Well Project.

22. DIRECTOR COMMENTS AND SUGGESTIONS

Paul Siebensohn stated that one of the water department trucks that had 175 thousand miles on it recently died. Next month a request to purchase a new one will be presented.

Director Pasek commented on a Board presentation and a letter to the community regarding the clean-up of Laguna Joaquin.

Edward R. Crouse reported that the Security Concerns Meeting with RMA went well. They discussed concerns RMA has regarding enforcement, advisals, compliance, and multiple HOAs.

Paul Siebensohn reported that the solar site at the wastewater treatment plant is working and the one at the water treatment plant is just waiting for the Permission to Operate from SMUD.

23. ADJOURNMENT

Motion/Pecotich to adjourn at 7:27 p.m. **Second/Clark Ayes: Pecotich, Graf, Clark, and Pasek. Noes: None. Absent: Merchant. Abstain: None.**

Respectfully submitted,

Suzanne Lindenfeld
District Secretary

RANCHO MURIETA COMMUNITY SERVICES DISTRICT
Board of Directors Special Meeting Minutes

August 21, 2017 @ 8:30 a.m.



1. CALL TO ORDER/ROLL CALL

President Mark Pecotich called the Special meeting of the Board of Directors of Rancho Murieta Community Services District to order at 8:30 a.m. in the District meeting room, 15160 Jackson Road, Rancho Murieta. Directors present were Mark Pecotich, Morrison Graf, Les Clark, John Merchant, and Gerald Pasek. Also present were Edward R. Crouse, Interim General Manager and Suzanne Lindenfeld, District Secretary.

2. ADOPT AGENDA

Motion/Pasek to adopt the agenda. **Second/Merchant. Ayes: Pecotich, Graf, Clark, Merchant, Pasek. Noes: None. Absent: None.**

3. COMMENTS FROM THE PUBLIC

None.

4. BOARD ADJOURNED TO CLOSED SESSION AT 8:31 A.M. TO DISCUSS THE FOLLOWING ITEM:

Under Government Code 54957: Closed session for public employee appointment or employment of the General Manager position.

5. BOARD RECONVENED TO OPEN SESSION AT 3:10 P.M. AND REPORTED THE FOLLOWING:

Under Government Code 54957: Closed session for public employee appointment or employment of the General Manager position. Nothing to report.

6. DIRECTOR COMMENTS/SUGGESTIONS

None.

7. ADJOURNMENT

Motion/Clark to adjourn at 3:11 p.m. **Second/Graf. Ayes: Pecotich, Graf, Clark, Merchant, Pasek. Noes: None. Absent: None.**

Respectfully submitted,

Suzanne Lindenfeld
District Secretary



**RANCHO MURIETA COMMUNITY SERVICES DISTRICT
SPECIAL BOARD MEETING**

August 30, 2017
Open Session 5:00 p.m.

1. CALL TO ORDER/ROLL CALL

President Mark Pecotich called the Special Board Meeting of the Board of Directors of Rancho Murieta Community Services District to order at 5:00 p.m. in the District meeting room, 15160 Jackson Road, Rancho Murieta. Directors present were Mark Pecotich, Morrison Graf, Les Clark, John Merchant, and Gerald Pasek. Also, present were Edward R. Crouse, Interim General Manager; Paul Siebensohn, Director of Field Operations; Eric Thompson, Controller; Suzanne Lindenfeld, District Secretary; and Richard Shanahan, District General Counsel.

2. ADOPT AGENDA

Motion/Clark to adopt the agenda. Second/Pasek. Ayes: Pecotich, Graf, Clark, Merchant, Pasek. Noes: None. Absent: None. Abstain: None.

3. PUBLIC COMMENTS

None.

4. CONSIDER ACCEPTANCE OF APPARENT LOW BID AND CONSIDER CONTRACT AWARD TO BRADLEY & SONS, INC. FOR THE EMERGENCY WELL PROJECT

Edward R. Crouse, Interim General Manager, gave a brief update on the status of the Emergency Well Project. The District is still negotiating with the landowner for the Permanent Easement and Use Agreement. The initial draft was based on a 1994 agreement for an augmentation water supply well, the negotiations attempts to narrow the focus of the agreement to emergency use of the well by the District and landowner use in times of severe drought when other sources of water are unavailable. Commitment of discussion at September 20, 2017 Regular Board meeting regarding easement and use.

Regional Water Authority (RWA) will be putting in for an extension on the grant funding due to several agencies have not been able to complete their projects by the due date. The new date may be June 30, 2018.

Bradley & Sons has agreed to extend the award period until after the September Board meeting with a day for day extension of the time of completion and end date.

5. BOARD ADJOURNED TO CLOSED SESSION AT 5:27 P.M. TO DISCUSS THE FOLLOWING ITEM:

Under Government Code 54957: Closed session for public employee appointment or employment of the General Manager position.

6. BOARD RECONVENED TO OPEN SESSION AT 5:00 P.M. AND REPORTED THE FOLLOWING:

Under Government Code 54957: Closed session for public employee appointment or employment of the General Manager position. **Nothing to report.**

7. DIRECTOR COMMENTS AND SUGGESTIONS

None

8. ADJOURNMENT

Motion/Pasek to adjourn at 6:17 p.m. Second/Graf Ayes: Pecotich, Graf, Clark, Merchant, and Pasek. Noes: None. Absent: None. Abstain: None.

Respectfully submitted,

Suzanne Lindenfeld
District Secretary

DRAFT

MEMORANDUM

Date: September 5, 2017
To: Board of Directors
From: Improvements Committee Staff
Subject: September 5, 2017 Improvements Committee Meeting Minutes

1. CALL TO ORDER

Director Graf called the meeting to order at 8:30 a.m. Present were Directors Graf and Clark. Present from District staff were Edward R. Crouse, Interim General Manager; Steve Mobley, Interim Security Chief; Paul Siebensohn, Director of Field Operations; Eric Thompson, Controller; and Suzanne Lindenfeld, District Secretary.

2. PUBLIC COMMENT

None.

3. MONTHLY UPDATES

CIA Ditch Project

A 42" pipe was installed in the CIA Ditch from the Country Store diversion box up to near the County Park site and four (4) new sluice gates in the diversion boxes. A headwall was installed, but due to water being needed, there was not enough time to put in a permanent trash rack system. That will be done the next time the ditch is shut down for an extended period. In the meantime, the ditch needed to be shut down for a short period to allow the project access to make a repair on the headwall of the 42" pipe. That work should be done prior to the Board Meeting.

The Greens Neighborhood Park

Work is continuing for the park construction and this work looks to be completed well before the rainy season is here.

Development

The Retreats East and North

The Developer has separated out the Retreats East Project to make it a separate project moving forward while putting Retreats North on hold. District Engineer, Coastland Engineering (Coastland), has reviewed and provided comments back to the Project's engineer. So far, no response has been received.

The Murieta Gardens - Murieta Marketplace

The improvement plans were reviewed with comments provided back on July 17, 2017. Coastland is currently working with the project engineer to get bonding in place and to work on easements. The final project plans are being prepared for signature.

The Murieta Gardens II – Subdivision

The improvement plans for the Murieta Gardens II subdivision have been reviewed and comments provided back.

Rancho Murieta North – Development Project

Former General Manager Darlene Thiel provided a comment letter to Shelby Maples of Sacramento County. Edward R. Crouse, Interim General Manager verbally conveyed to the project engineer and representative that the project needs to prepare a revised Master Infrastructure Plan, including a new water system hydraulic analysis.

FAA Business Park (Cantova Business Park)

Site plans for this project have been reviewed with comments provided back by Coastland. So far no response has been received.

SMUD Cable Replacement

Resulting from a complaint of multiple power outages related to faulting power lines in the North community SMUD had put a project together. The project consisted of digging up and replacing their direct buried power lines in the north eastern portion of Unit 4. This project was completed with staff oversight with no major issues.

Solar Power Installations

Wastewater Treatment Plant Site

The site is active and producing power which supplies the wastewater facility, the administration office, and the warehouse. We should be receiving our first billing sometime in September 2017.

Water Treatment Plant Site

Solar City is waiting on the installation of a SMUD meter and approval letter from SMUD. The permanent fencing for the project is going up now.

Emergency Well Project

Construction of the well is on hold until the Use Agreement has been agreed to. The low bidder for the project, Bradley & Sons, confirmed that they will hold their bid price through the end of September. It is hopeful that the Regional Water Authority is able to get another extension to our grant until the end of June 2018.

Laguna Joaquin Water Quality

With the flow of fresh water through the CIA Ditch into Laguna Joaquin, the water level has risen to the spillway and is full. Dissolved oxygen levels continue to be at a good level for fish. We are meeting weekly with Rancho Murieta Association and John Sullivan on short term water quality strategies.

4. WATER SUPPLY AUGMENTATION AND CAPITAL IMPROVEMENT FEE STUDY

John Griffin, Coastland Civil Engineering, gave a summary of the draft Water Supply Augmentation (WSA) and Capital Improvement Project (CIP) Fee Study. To summarize recent changes, the technical memoranda includes additional detail on project components and adjustments to project cost estimates to reflect costs such as mobilization and appropriate levels of contingencies for planning level estimates. Changes to the Draft Government Code 66000 Compliance Fee Report include additional details on projects that benefit both existing ratepayers and new development, along with updated cost allocations for these projects that benefit both existing ratepayers and new development. Errors in calculation of equivalent dwelling units (EDUs) have been corrected.

Further, subsequent analysis has determined that the administration facilities serve as support and management and that it is more appropriate to fund the administration facilities through the other capital improvement fees. Consequently, the Community Facilities Fees will include the water, sewer, drainage, and security capital improvement fees and the administration facilities fund balance and projects will be reallocated among these other fee accounts. The percentage of allocation was based on District audited financial statements.

The analysis recommends changing the Water Supply Augmentation Fee and the Community Facilities Fee, which are currently set at \$4,660 per EDU at \$1,180 per EDU, respectively, to as follows:

- Water Supply Augmentation Fee: \$5,942 per EDU
- Community Facilities Fees
 - Water Capital Improvement Fee: \$1,730 per EDU
 - Sewer Capital Improvement Fee: \$2,413 per EDU
 - Drainage Capital Improvement Fee: \$0 per EDU
 - Security Capital Improvement Fee: \$62 per EDU
 - Total Fee: \$4,205 per EDU

A question and answer period followed. The proposed fees and revised District Code chapters will be adopted through the ordinance process which requires a 60-day public comment/review period.

5. APPROVE JAMES L. NOLLER SAFETY CENTER REPAIRS

Steve Mobley, Interim Security Chief, gave a brief summary of the recommendation to approve the proposal from D. Martinez Construction for repairs to the James L. Noller Safety Center. **This item will be on the September 20, 2017 Board of Directors Meeting agenda.**

6. DIRECTORS & STAFF COMMENTS/SUGGESTIONS

None.

7. ADJOURNMENT

The meeting was adjourned at 9:31 a.m.

MEMORANDUM

Date: September 5, 2017
To: Board of Directors
From: Finance Committee Staff
Subject: September 5, 2017 Finance Committee Meeting Minutes

1. CALL TO ORDER

Director Pasek called the meeting to order at 9:31 a.m. Present was Director Pasek. Director Merchant was absent. Present from District staff were Edward R. Crouse, Interim General Manager; Steve Mobley, Interim Security Chief; Paul Siebensohn, Director of Field Operations; Eric Thompson, Controller; and Suzanne Lindenfeld, District Secretary.

2. COMMENTS FROM THE PUBLIC

None.

3. ANNUAL OPEB PLAN REVIEW

Shawn Tan, from Public Agency Retirement Services, gave a brief overview of the program plan. As of June 30, 2017, the total contributions made are \$1,125,771 and investment earnings are \$282,007, for a total account balance of \$1,395,211. Mr. Tan also presented the pending GASB 74 revisions and their impact to the District.

Randy Yurchak, CFA, Highmark Capital Management, gave a brief investment overview, for the period ending July 31, 2017. A question and answer period followed.

4. AUDIT UPDATE

Eric Thompson gave a brief update on the audit. The audit will commence September 5, 2017 and the draft audit report will be issued in October 2017.

5. DIRECTORS & STAFF COMMENTS/SUGGESTIONS

No comments.

6. ADJOURNMENT

The meeting was adjourned at 10:23 a.m.

the audit will commence on September 5, 2017 and that the draft audit report will be issued in October 2017.

MEMORANDUM

Date: September 7, 2017
To: Board of Directors
From: Security Committee Staff
Subject: September 7, 2017 Security Committee Meeting Minutes

1. CALL TO ORDER

Director Clark called the meeting to order at 4:00 p.m. Present was Director Clark. Director Pecotich arrived at 4:15 p.m. Present from District staff were Edward R. Crouse, Interim General Manager; Steve Mobley, Interim Security Chief; Eric Thompson, Controller; and Suzanne Lindendorf, District Secretary.

2. COMMENTS FROM THE PUBLIC

None.

3. MONTHLY UPDATES

Operations

Currently there is one (1) Security Gate Officer, one (1) Security Patrol Officer, and one (1) Security Chief position open. Sergeant Scarzella retired August 31 and Patrol Officer Werblun promoted to Sergeant on September 2, 2017 to fill that vacancy. We started a more visible recruitment effort by placing recruitment banners at both North and South Gates and in front of the District Administration Building. Numerous applications have been received.

Security Officer uniform patches and with District vehicle markings have been changed. The shoulder patches will now read "Security Officer" instead of "Public Officer", and the vehicles will state "Security Patrol", rather than "District Patrol".

Incidents of Note

Interim Chief Mobley gave brief overview of the incidents of note for August 2017.

RMA Citations/Admonishments

No discussion.

Rancho Murieta Association Compliance/Grievance/Safety Committee Meeting

No discussion.

Chief Recruitment

Recruitment and advertisement for Security Chief closed August 31, 2017. Eleven (11) resumes were received. The interview and hiring process is on hold until the new General Manager starts.

Contract Security

Edward Crouse met with Paladin Security to discuss fill-in gate officer positions during vacation and extended absences to lessen overtime as well as maintain a consistent back-up source. A proposal is forthcoming.

Security Concerns Meeting

Rancho Murieta Association (RMA) and the District Board members and selected staff met and discussed future HOAs/gate access/park use issues related to current and future planned development. This was a closed meeting and all topics were conceptual and exploratory only. No action was taken. It was deemed to be a positive meeting and more are anticipated in the near future.

4. SECURITY PORTABLE RADIO PURCHASE

Interim Chief Mobley gave a brief summary on the recommendation to approve the purchase of five (5) portable radios for the Security Department. Director Clark suggested that the Board memo include the reserve fund balance, what agencies have already switched over, and clarification on the standard terms and dollar amount. **This item will be on the September 20, 2017 Board of Directors' Meeting Agenda.**

5. DIRECTOR & STAFF COMMENTS

Director Pecotich asked staff to look in to the impact contract security will have on the Security Department's budget.

Interim Chief Mobley stated that there will be a total of six (6) off-duty Sacramento County Sheriff's Deputies working Summerfest – three (3) per night. There has been no word from RMA that they will open Escuela Gate during Summerfest.

6. ADJOURNMENT

The meeting adjourned at 4:27 p.m.

MEMORANDUM

Date: September 12, 2017
 To: Board of Directors
 From: Eric Thompson, Controller
 Subject: Bills Paid Listing

Enclosed is the Bills Paid Listing Report for **August 2017**. Please feel free to call me before the Board meeting regarding any questions you may have relating to this report. This information is provided to the Board to assist in answering possible questions regarding large expenditures.

The following major expense items (excluding payroll-related items) are listed *in order as they appear* on the Bills Paid Listing Report:

<u>Vendor</u>	<u>Project / Purpose</u>	<u>Amount</u>	<u>Funding</u>
California Waste Recovery Systems	Solid Waste Monthly Contract	\$ 46,817.42	Operating Expense
Chemtrade Chemicals US LLC	Chemicals	\$ 5,153.16	Operating Expense
Cooperative Personnel Services	GM Recruitment	\$ 5,200.00	Operating Expense
County of Sacramento	Permits	\$ 7,898.00	Operating Expense
Dave Bunfill	Admin Parking Lot Resurface	\$ 7,000.00	Replacement Reserves
Harrold Ford	2017 Ford F-150	\$ 23,469.60	Sewer Capital Replacement Reserves
Prodigy Electric & Controls Inc.	Repairs & Maintenance	\$ 6,206.00	Operating Expense
Rancho Murieta 205, LP	Prior Infrastructure Reimbursement	\$ 12,390.00	New Connection Fees
Wilbur-Ellis Company	Chemicals	\$ 10,848.33	Operating Expense
A Leap Ahead IT	Server - Admin	\$ 6,465.80	Replacement Reserves
Bartkiewicz, Kronick & Shanahan	Legal Services	\$ 9,262.43	Operating Expense
County of Sacramento	Annual Membership	\$ 11,000.00	Operating Expense
GSRMA	Dam Liability Insurance	\$ 11,000.00	Operating Expense
Pres Tech Equipment Company	Sewer Camera	\$ 10,603.44	Sewer Capital Replacement Reserves

<u>Vendor</u>	<u>Project / Purpose</u>	<u>Amount</u>	<u>Funding</u>
S.M.U.D.	Purchased Power	\$ 36,032.07	Operating Expense
Sacramento Metro Air Quality Management District	Permits	\$ 16,682.00	Operating Expense
Sierra Chemical Co.	Chemicals	\$ 5,146.94	Operating Expense

PREPARED BY: Eric Thompson, Controller

REVIEWED BY:  District Treasurer

Rancho Murieta Community Services District

Bills Paid Listing for August 2017

Ck Number	Date	Vendor	Amount	Purpose
CM32445	8/1/2017	Guardian Life Insurance	\$5,392.82	Payroll
CM32446	8/1/2017	Vision Service Plan (CA)	\$441.90	Payroll
EFT	8/1/2017	CalPERS	\$8,957.74	Payroll
EFT	8/1/2017	CalPERS	\$34,778.75	Payroll
EFT	8/1/2017	CalPERS	\$11,986.76	Payroll
CM32447	8/11/2017	A Leap Ahead IT	\$3,739.68	IT Support
CM32448	8/11/2017	Acme Bag Company	\$116.64	Supplies
CM32449	8/11/2017	All Electric Motors, Inc.	\$3,199.98	Repairs & Maintenance
CM32450	8/11/2017	American Family Life Assurance Co.	\$506.60	Payroll
CM32451	8/11/2017	Applications By Design, Inc.	\$225.00	IT Support
CM32452	8/11/2017	Aramark Uniform & Career Apparel, LLC	\$251.52	Uniform Service - Water
CM32453	8/11/2017	Arnolds For Awards	\$27.78	Office Supplies
CM32454	8/11/2017	Borges & Mahoney	\$469.99	Annual certification
CM32455	8/11/2017	CALPELRA	\$1,035.00	Training & Education
CM32456	8/11/2017	California State Disbursement Unit	\$52.15	Payroll
CM32457	8/11/2017	California Waste Recovery Systems	\$46,817.42	Solid Waste Monthly Contract
CM32458	8/11/2017	CVCWA	\$2,340.00	Annual Membership
CM32459	8/11/2017	Chemtrade Chemicals US LLC	\$5,153.16	Chemicals
CM32460	8/11/2017	Chrysler Capital	\$156.80	Security Vehicle Lease
CM32461	8/11/2017	Cooperative Personnel Services dba CPS HR C	\$5,200.00	GM Recruitment
CM32462	8/11/2017	Capital One Commercial	\$1,259.09	Office Supplies
CM32463	8/11/2017	County of Sacramento	\$4,053.38	Off-Duty Sheriff
CM32464	8/11/2017	County of Sacramento	\$7,898.00	Permits
CM32465	8/11/2017	Dave Bunfill (DBA) Dave Bunfill Blacktop S	\$7,000.00	Admin Parking Lot Resurface
CM32466	8/11/2017	Dunn Environmental, Inc.	\$435.00	Water Augmentation
CM32467	8/11/2017	Express Office Products, Inc.	\$335.44	Office Supplies
CM32468	8/11/2017	Theodore Fagunes	\$100.00	Conservation
CM32469	8/11/2017	Ferguson Enterprises, Inc 1423	\$499.19	Repairs & Maintenance
CM32470	8/11/2017	Franchise Tax Board	\$50.00	Payroll
CM32471	8/11/2017	Gallery & Barton	\$717.60	Legal Services
CM32472	8/11/2017	Galls/Quartermaster	\$288.74	Uniforms - Security
CM32473	8/11/2017	GM Crane Services, Inc	\$450.00	Quarterly Crane Inspection
CM32474	8/11/2017	Hach Company	\$1,353.61	Repairs & Maintenance
CM32475	8/11/2017	Harrold Ford	\$23,469.60	2017 Ford F-150
CM32476	8/11/2017	Howe It's Done	\$798.44	Retirement Lunch
CM32477	8/11/2017	Jobs Available, Inc.	\$604.50	Employment Advertising
CM32478	8/11/2017	Bernard Kalscheuer	\$100.00	Conservation
CM32479	8/11/2017	Koff & Associates	\$2,250.00	Compensation Data & Analysis
CM32480	8/11/2017	Legal Shield	\$31.26	Payroll
CM32481	8/11/2017	Les Schwab Tires	\$1,049.47	Vehicle Maintenance#521 & #522

Rancho Murieta Community Services District

Bills Paid Listing for August 2017

Ck Number	Date	Vendor	Amount	Purpose
CM32482	8/11/2017	Dennis Merino	\$100.00	Conservation
CM32483	8/11/2017	Mountain Counties Water Resources Assoc.	\$1,000.00	Annual Membership
CM32484	8/11/2017	Nationwide Retirement Solution	\$1,317.00	Payroll
CM32485	8/11/2017	Operating Engineers Local Union No. 3	\$646.25	Payroll
CM32486	8/11/2017	Pape Machinery	\$3,414.46	Vehicle Maintenance - Backhoe
CM32487	8/11/2017	Tim Paulsen	\$100.00	Conservation
CM32488	8/11/2017	PDF Tactical	\$1,840.00	Contract Labor - Security
CM32489	8/11/2017	Prodigy Electric & Controls Inc.	\$6,206.00	Repairs & Maintenance
CM32490	8/11/2017	Public Agency Retirement Services	\$47,253.00	Payroll
CM32491	8/11/2017	Rancho Murieta 205, LP	\$12,390.00	Prior Infrastructure Reimbursement
CM32492	8/11/2017	Rancho Murieta Ace Hardware	\$427.85	Repairs & Maintenance
CM32493	8/11/2017	River City Rentals	\$2,954.00	Equipment Rental
CM32494	8/11/2017	Romo Landscaping	\$385.00	Landscaping
CM32495	8/11/2017	Rory's Towing and Repair	\$80.00	Vehicle Maintenance #522
CM32496	8/11/2017	Santander Leasing	\$240.00	Security Vehicle Lease
CM32497	8/11/2017	Sierra Chemical Co.	\$429.38	Chemicals
CM32498	8/11/2017	Sierra Office Supplies	\$828.60	Office Supplies
CM32499	8/11/2017	Robert Smith	\$100.00	Conservation
CM32500	8/11/2017	TASC	\$98.07	Payroll
CM32501	8/11/2017	TPX Communications	\$673.14	Monthly Phone Bill
CM32502	8/11/2017	U.S. Bank Corp. Payment System	\$4,962.44	Fuel & Supplies
CM32503	8/11/2017	Underground Service Alert of N. Cal and Nev	\$519.08	Annual membership
CM32504	8/11/2017	United Rentals Northwest, Inc.	\$2,162.86	Equipment Rental
CM32505	8/11/2017	Waterwise Consulting, INC	\$140.00	Conservation
CM32506	8/11/2017	Robert Weiss	\$200.00	Conservation
CM32507	8/11/2017	Wilbur-Ellis Company	\$10,848.33	Chemicals
CM32508	8/11/2017	Preston Young	\$100.00	Conservation
EFT	8/11/2017	EFTPS	\$10,411.44	Payroll
EFT	8/11/2017	EDD	\$2,721.49	Payroll
EFT	8/11/2017	CalPERS	\$9,153.16	Payroll
EFT	8/15/2017	EFTPS	\$188.35	Payroll
EFT	8/15/2017	EDD	\$22.14	Payroll
EFT	8/18/2017	EFTPS	\$80.28	Payroll
EFT	8/18/2017	EDD	\$12.63	Payroll
CM32509	8/25/2017	A Leap Ahead IT	\$6,465.80	Server - Admin
CM32510	8/25/2017	Duloglo Enterprises Inc DBA Action Cleaning	\$1,172.00	Monthly Cleaning Service
CM32511	8/25/2017	Aestiva Software, Inc.	\$1,146.75	Annual IT Support
CM32512	8/25/2017	American Family Life Assurance Co.	\$506.60	Payroll
CM32513	8/25/2017	Aquality Water Management	\$1,717.97	Contract Labor - Water/Sewer
CM32514	8/25/2017	Aramark Uniform & Career Apparel, LLC	\$85.09	Uniforms - Water

Rancho Murieta Community Services District


Bills Paid Listing for August 2017

Ck Number	Date	Vendor	Amount	Purpose
CM32515	8/25/2017	Aramark Uniform & Career Apparel, LLC	\$331.01	Uniform Service - Water
CM32516	8/25/2017	AT&T	\$78.34	Monthly Internet
CM32517	8/25/2017	AT&T	\$1,012.79	Monthly Cell Phone
CM32518	8/25/2017	AT&T	\$1,233.87	Monthly Phone
CM32519	8/25/2017	Bartkiewicz, Kronick & Shanahan	\$9,262.43	Legal Services
CM32520	8/25/2017	Catherine Blaisdell	\$300.00	Conservation
CM32521	8/25/2017	Brower Mechanical, Inc	\$591.00	Repairs & Maintenance
CM32522	8/25/2017	California Laboratory Services	\$3,696.56	Monthly Lab Tests
CM32523	8/25/2017	California State Disbursement Unit	\$52.15	Payroll
CM32524	8/25/2017	Caltronics Business Systems	\$1,010.32	Office Supplies
CM32525	8/25/2017	Chemline Plastics Limited	\$289.99	Repairs & Maintenance
CM32526	8/25/2017	Chemtrade Chemicals US LLC	\$2,591.38	Chemicals
CM32527	8/25/2017	County of Sacramento	\$11,000.00	Annual Membership
CM32528	8/25/2017	Daily Journal Corporation	\$480.00	Notice Public Hearing Teeter
CM32529	8/25/2017	Evoqua Water Technologies	\$2,090.35	Repairs & Maintenance
CM32530	8/25/2017	Express Office Products, Inc.	\$392.86	Office Supplies
CM32531	8/25/2017	Folsom Lake Fleet Services	\$832.17	Vehicle Maintenance#218
CM32532	8/25/2017	Franchise Tax Board	\$50.00	Payroll
CM32533	8/25/2017	Galls/Quartermaster	\$213.26	Uniforms - Security
CM32534	8/25/2017	GSRMA	\$11,000.00	Dam Liability Insurance
CM32535	8/25/2017	Government Finance Officers Assoc.	\$160.00	Annual Membership
CM32536	8/25/2017	Greenfield Communications	\$230.97	Monthly Internet/TV
CM32537	8/25/2017	Home Depot Credit Services	\$215.97	Repairs & Maintenance
CM32538	8/25/2017	Howe It's Done	\$291.27	BOD Meeting
CM32539	8/25/2017	Industrial Door Compay	\$239.50	Repairs & Maintenance
CM32540	8/25/2017	Jobs Available, Inc.	\$604.50	Employment Advertising
CM32541	8/25/2017	Legal Shield	\$31.26	Payroll
CM32542	8/25/2017	Anne H Long (DBA) Marion Leasing	\$526.90	Copier Lease - Admin
CM32543	8/25/2017	Marquee Fire Protection	\$1,250.00	Annual Inspection
CM32544	8/25/2017	Nationwide Retirement Solution	\$1,417.00	Payroll
CM32545	8/25/2017	Operating Engineers Local Union No. 3	\$646.25	Payroll
CM32546	8/25/2017	PDF Tactical	\$3,471.85	Contract Labor - Security
CM32547	8/25/2017	Pres Tech Equipment Company	\$10,603.44	Sewer Camera
CM32548	8/25/2017	Public Agency Retirement Services	\$300.00	Payroll
CM32549	8/25/2017	Rancho Murieta Association	\$150.00	Landscaping
CM32550	8/25/2017	Rancho Murieta Association	\$414.02	Purchased Power
CM32551	8/25/2017	S. M. U. D.	\$36,032.07	Monthly Bill
CM32552	8/25/2017	Sacramento Bee	\$3,516.52	Employment Ad & Water Aug
CM32553	8/25/2017	Sacramento Metropolitan Air Quality Mgt. Di	\$16,682.00	Permits
CM32554	8/25/2017	Sierra Chemical Co.	\$5,146.94	Chemicals

Rancho Murieta Community Services District
Bills Paid Listing for August 2017

Ck Number	Date	Vendor	Amount	Purpose
CM32555	8/25/2017	Sierra Office Supplies	\$346.96	Office Supplies
CM32556	8/25/2017	Sprint	\$189.95	Monthly Air Cards
CM32557	8/25/2017	State Water Resources Control Board	\$170.00	Certifications
CM32558	8/25/2017	Streamline	\$300.00	Website Hosting
CM32559	8/25/2017	TASC	\$68.25	Payroll
CM32560	8/25/2017	TASC	\$98.07	Payroll
CM32561	8/25/2017	Tom's House of Hydraulics Inc.	\$4,273.56	2017 Ford F-150 - Liftgate
CM32562	8/25/2017	W.W. Grainger Inc.	\$140.29	Training & Safety
EFT	8/25/2017	EFTPS	\$10,628.71	Payroll
EFT	8/25/2017	EDD	\$2,854.09	Payroll
EFT	8/25/2017	CalPERS	\$9,090.97	Payroll
EFT	8/28/2017	EFTPS	\$57.26	Payroll
EFT	8/28/2017	EDD	\$4.68	Payroll
EFT	8/28/2017	Pitney Bowes	\$1,250.00	Postage Machine Refill
EFT	8/31/2017	EFTPS	\$874.11	Payroll
EFT	8/31/2017	EDD	\$234.82	Payroll
EFT	8/31/2017	CalPERS	\$36,186.94	Payroll
		TOTAL	\$511,899.77	
		<u>CFD 2014-1 Bank of America Checking</u>		
CM2049	8/25/2017	Corelogic Solutions, LLC	\$200.00	CFD 2014-1 Admin Cost
		TOTAL	\$200.00	
		<u>EL DORADO PAYROLL</u>		
Checks: CM11669 to CM11691 and Direct Deposits: DD09881 to DD09938			\$ 121,371.54	Payroll
EFT	Various	National Payment Corp	\$120.14	Payroll
		TOTAL	\$121,491.68	

PREPARED BY: Eric Thompson, Controller

REVIEWED BY:  District Treasurer

MEMORANDUM

Date: September 13, 2017
To: Board of Directors
From: Edward R. Crouse, Interim General Manager
Subject: General Manager's Report

EMPLOYEE RELATIONS

PERS mailed out medical insurance enrollment packages to employees' residences. Open enrollment continues through the beginning of October 2017 for coverage and/or provider changes. Debby is available to meet individually with employees to review coverage, insurance premiums and employer/employee cost sharing.

At the request of OE3, we provided represented employee salary and total compensation information as well as the current budget. We should be hearing back soon as to when they would like to start negotiations as the current contract expires December 31, 2017.

IT/FINANCE

Larry Bain, CPA, our auditor, was out September 5 - 8, 2017 for fieldwork. He does not anticipate any more fieldwork as he feels he can call Eric or Debby for additional information, if needed. His first take was it all looks well and everything ties out. He hopes to complete the draft audit in time for the November Finance Committee meeting, although the OPEB actuarial study may delay the audit completion.

SECURITY DEPARTMENT

Patrol Officer Werblun promoted to Sergeant, replacing Sergeant Scarzella who retired August 30, 2017. There is still a Gate Officer, a Patrol Officer and a Chief position to be filled. The Chief position is on hold until the new General Manager is on board. Chief Mobley is conducting interviews for both Gate and Patrol openings and hopes to have the Security Department fully staffed by October 1, 2017.

WATER SUPPLY AUGMENTATION AND CAPITAL IMPROVEMENT FEE STUDIES/REPORTS

The Improvements Committee reviewed the draft Water Supply Augmentation and Capital Improvement Project Fee Study at the September meeting. Due to the amount of comments received from the Improvements Committee and the time constraints for noticing of the Ordinance, the Board will be reviewing and supplying comments on the final report and draft ordinance at the September Board Meeting. Final approval of the fee study and the public hearing for first reading of the Ordinance will be done at the October 18, 2017 Board Meeting.

PENDING AND PROPOSED LAND DEVELOPMENT PROJECTS

Rancho Murieta North – Development Project

Nothing new to report.

PASSIVE REC USE OF THE MURIETA GARDENS DRAINAGE BASIN

As a reported last month, there has been no change. I discussed with John Sullivan our desire to have a bullet point Memorandum of Understanding (MOU) for maintenance responsibilities as an initial step to define roles and financial obligations. The MOU should be forth coming, but no approvals until the Board has reviewed and approved the MOU.

MURIETA GARDENS

Remedial work at the headwall entrance structure to the pipeline was just finished, September 13, 2017. We are letting the concrete cure and will be opening the ditch flow September 15, 2017.

Our short-term plan is to continue sending water to Laguna Joaquin to help flush water through the lake.

We are meeting weekly with RMA and John Sullivan on short-term strategies and efforts for this fall, with an eye to holding stakeholder meetings on long-term water quality strategies later this fall.

MEMORANDUM

Date: September 13, 2017
 To: Board of Directors
 From: Eric Thompson, Controller
 Subject: Administration / Financial Reports

Enclosed is a combined financial summary report for the **August 2017**. Following are highlights from various internal financial reports. Please feel free to call me before the Board meeting regarding any questions you may have relating to these reports.

This information is provided to the Board to assist in answering possible questions regarding under or over-budget items. In addition, other informational items of interest are included.

Water Consumption – Year-to-date residential water usage was up 7.4% versus budget through August. Listed below are year-to-date water consumption numbers using weighted averages:

	12 month rolling % increase	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Residences	0.3%	2,539	2,539										
	Weighted average	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Cubic Feet	2,882	2,920	2,844										
Gallons per day	719	728	709										
Planning Usage GPD	612												

Lock-Offs – During the month of August, there were 14 lock-offs.

Connection Fees – There were no new connection fees received in August.

Aging Report – Delinquent accounts totaled \$70,930 which was down from \$264,030 in July. The large decrease in past-due receivables was due to the submission of \$236,974 in past-due receivables to Sacramento County under the Teeter plan, which was approved at the August 16, 2017 Board Meeting. Delinquent accounts represented 10.9% of the total accounts receivable balance of \$648,507 at the end of August.

Summary of Reserve Accounts as of August 31, 2017 – The District’s reserve accounts began the year with a balance of \$5,344,437 and have increased to \$97,485 through the month of August. Other than normal inter-fund borrowing repayments, the following reimbursements to operations were made for capital items: \$13,466 from Administration Reserves for a new server and the resurfacing of the Administration Office parking lot; \$38,347 from Sewer Reserves for a new truck, lift gate, and sewer camera system; and \$896 from Water Augmentation for advertising the drilling of an emergency supply well for the community. The total amount of reserves held by the District on August 31, 2017 was \$5,441,922. See the table on the following page for information by specific reserve account.

Reserve Fund Balances

<i>Reserve Descriptions</i>	<i>Fiscal Yr Beg Balance July 1, 2017</i>	<i>YTD Collected & Interest Earned</i>	<i>YTD Spent</i>	<i>Period End Balance Aug 31, 2017</i>
Water Capital Replacement (200-2505)	1,130,169	45,649	(0)	1,175,818
Sewer Capital Replacement (250-2505)	2,478,211	68,497	(38,347)	2,508,361
Drainage Capital Replacement (260-2505)	81,850	5,454	(0)	87,304
Security Capital Replacement (500-2505)	160,345	8,004	(3,917)	164,432
Admin Capital Replacement (xxx-2505-99)	57,174	0	(13,466)	43,708
Sewer Capital Improvement Connection (250-2500)	4,067	9	(0)	4,076
Capital Improvement (xxx-2510)	366,117	9,538	(64)	375,591
Water Supply Augmentation (200-2511)	1,703,006	20,632	(3,957)	1,719,681
WTP Construction Fund Reserve (200-2513)	(671,793)	31,211	(35,439)	(676,021)
Security Impact Fee Reserves (500-2513)	35,291	3,681	(0)	38,972
<i>Total Reserves</i>	<i>5,344,437</i>	<i>192,675</i>	<i>(95,190)</i>	<i>5,441,922</i>

Inter-fund Borrowing Balances

<i>Inter-fund Borrowing</i>	<i>Fiscal Yr Beg Balance July 1, 2016</i>	<i>YTD Interest</i>	<i>YTD Repayment</i>	<i>Period End Balance Aug 31, 2017</i>
Sewer Loan to WTP Construction Fund	1,137,179	2,013	(25,421)	1,113,771
WSA Loan to WTP Construction Fund	379,060	671	(8,474)	371,257
N. Gate Security Loan from Drainage Fund	63,203	111	(3,917)	59,397
<i>Total Inter-fund Borrowing</i>	<i>1,579,442</i>	<i>2,795</i>	<i>(37,812)</i>	<i>1,544,425</i>

PARS GASB 45 Trust - The PARS GASB 45 Trust, which is the investment trust established to fund other Post-Employment Benefits, had the following returns:

Period ended July 31, 2017		
1-Month	3-Months	1-Year
1.43%	3.01%	9.54%

Financial Summary Report (year-to-date through August 31, 2017)

Revenues:

Water Charges, year-to-date, are **above** budget \$13,600 or **3.0%**

Sewer Charges, year-to-date, are **below** budget \$1,797 or **(0.8%)**

Drainage Charges, year-to-date, are **below** budget \$335 or **(1.0%)**

Security Charges, year-to-date, are **below** budget \$1,589 or **(0.7%)**

Solid Waste Charges, year-to-date, are **above budget \$863 or 0.8%**

Total Revenue, which includes other income, property taxes, and interest income for the year, are **above budget \$17,504 or 1.5%**

Expenses: Year-to-date total operating expenses are **above budget \$26,774 or 2.7%**. There have been no operational reserve expenditures so far this year. Operational reserve expenditures cover projects funded from reserves which are also recorded as operational expenses through the income statement as required by Generally Accepted Accounting Principles (GAAP).

Water Expenses (including wages & employer costs) year-to-date, are **above budget \$41,833 or 13.2%**. The Water Department's expenses jumped in August due to the repairs (gate replacements) being done to the CIA Ditch. These amounts will be billed back to the CIA later in the year, which will post revenues to offset these expenses. Timing issues (budget vs actuals) are still an issue in this department. Permits, chemicals, and repairs & maintenance are the largest timing variances. Purchased power is the largest (non-timing based) over budget line item so far this year, which is due to the delays in the Solar City power project at the Water Treatment Plant.

Sewer Expenses, year-to-date, are **below budget by \$20,650 or (11.8%)**. Savings have been seen across most sewer expense categories, with the largest savings being seen in salaries and wages, employer costs, chemicals, consulting, and IT system maintenance. Sewer wages and employer costs are under budget 22.2% due to personnel being allocated more to the Water and Drainage Departments so far this year.

Drainage Expenses, year-to-date, are **above budget by \$6,479 or 28.0%**. Year-to-date wages & employer costs are above budget \$7,072 and chemicals are over budget by \$3,677 YTD. These were offset (partially) by savings in repairs & maintenance and improvement costs.

Combined Water/Sewer/Drainage Wages & Employer Costs, year-to-date, are **below budget by \$6,994 or (3.5%)**. These savings are offset by contract staffing expenses, which are used to help offset the effects of position vacancies. Utility personnel at the District allocate their time between the Water, Sewer and Drainage departments as needed and as directed. This section is being reported to help gauge overall utility personnel expenses versus budget.

Security Expenses, year-to-date, are **below budget by \$15,057 or (8.2%)**. Security Gate expenses are **below budget by \$4,433 or (5.5%)** so far this year, with savings in wages and employer costs (due to vacancies) being partially offset by contract personnel costs. Security Patrol expenses are **below budget by \$807 or (1.0%)**. General Security expenses are **below budget by \$9,816** for the year, due primarily to the vacancy in the (permanent) Chief position.

Solid Waste Expenses, year-to-date, are **above budget by \$273 or 0.3%**. Solid waste revenues and expenses are both slightly over budget through the end of August.

General Expenses, year-to-date, are **above budget by \$13,897 or 7.0%**. Savings in wages and employer costs, due to the vacancy of the (permanent) General Manager position, are offset by the costs of recruitment, legal expenses, consulting, and training expenses.

Net Income: Year-to-date unadjusted net income, before depreciation, is \$134,142 versus a budget of \$143,412. Net income/(Loss) adjusted for estimated depreciation expense is (\$126,060). The full-year expected net operating income (loss) before depreciation, per the 2017-2018 budget is (\$181). With inter-

fund borrowing interest expenses included, the net operating loss is (\$8,873), as shown on the financial statements.

Rancho Murieta Community Services District

Summary Budget Performance Report

For the Month Ending August 31, 2017

	% of Total	Annual Budget	% of Total	YTD Budget	YTD Actuals	% of Total	YTD VARIANCE Amount	YTD VARIANCE %
REVENUES								
Water Charges	32.5%	\$1,982,280	40.0%	\$456,772	\$470,372	40.6%	\$13,600	3.0%
Sewer Charges	21.6%	1,317,230	19.2%	219,228	217,431	18.8%	(1,797)	(0.8%)
Drainage Charges	3.2%	197,610	2.9%	32,934	32,599	2.8%	(335)	(1.0%)
Security Charges	21.6%	1,321,377	19.3%	220,228	218,638	18.9%	(1,589)	(0.7%)
Solid Waste Charges	10.6%	646,796	9.4%	107,798	108,661	9.4%	863	0.8%
Other Income	1.8%	110,430	1.5%	17,266	24,750	2.1%	7,484	43.3%
Interest Earnings	0.1%	8,370	0.1%	765	43	0.0%	(722)	(94.3%)
Property Taxes	9.3%	565,100	8.3%	94,183	94,183	8.1%	0	0.0%
Property Tax (Reserve Alloc)	-0.7%	(45,680)	-0.7%	(7,613)	(7,613)	-0.7%	(0)	0.0%
Total Revenues	100.0%	6,103,514	100.0%	1,141,560	1,159,065	100.0%	17,504	1.5%
OPERATING EXPENSES								
Water/Sewer/Drainage								
Salaries & Wages	15.6%	951,320	12.7%	126,500	121,265	11.8%	(5,235)	(4.1%)
Employer Costs	7.6%	466,890	7.2%	71,800	70,041	6.8%	(1,759)	(2.4%)
Capital Project Labor Alloc	0.0%	0	0.0%	0	0	0.0%	0	0.0%
Power	5.5%	333,950	4.0%	40,325	58,534	5.7%	18,209	45.2%
Chemicals	2.8%	169,540	3.9%	38,865	45,403	4.4%	6,538	16.8%
Maintenance/Repairs	5.6%	340,500	4.9%	49,060	59,209	5.8%	10,149	20.7%
Water Meters/Boxes	0.9%	54,000	0.8%	8,250	546	0.1%	(7,704)	(93.4%)
Lab Tests	0.7%	44,200	0.7%	6,700	6,793	0.7%	93	1.4%
Permits	1.2%	73,640	1.2%	11,500	69,062	6.7%	57,562	500.5%
Training/Safety	0.3%	19,300	0.3%	2,625	3,481	0.3%	856	32.6%
Equipment Rental	0.6%	35,930	0.4%	3,950	5,117	0.5%	1,167	29.5%
Other Direct Costs	8.5%	519,810	15.5%	155,054	102,840	10.0%	(52,215)	(33.7%)
Subtotal Water/Sewer/Drainage	49.3%	3,009,080	51.6%	514,629	542,291	52.9%	27,662	5.4%
Security								
Salaries & Wages	10.8%	659,800	8.8%	87,500	76,622	7.5%	(10,878)	(12.4%)
Employer Costs	7.7%	470,700	7.3%	73,100	60,137	5.9%	(12,963)	(17.7%)
Off Duty Sheriff	0.1%	4,000	0.3%	2,700	4,053	0.4%	1,353	50.1%
Other	1.8%	107,954	2.1%	21,186	28,617	2.8%	7,431	35.1%
Subtotal Security	20.4%	1,242,454	18.5%	184,486	169,429	16.5%	(15,057)	(8.2%)
Solid Waste								
CWRS Contract	9.2%	561,100	9.4%	93,516	93,834	9.2%	318	0.3%
Sacramento County Admin Fee	0.6%	35,500	0.6%	5,916	5,870	0.6%	(46)	(0.8%)
HHW Event	0.2%	14,730	0.0%	0	0	0.0%	0	0.0%
Subtotal Solid Waste	10.0%	611,330	10.0%	99,432	99,705	9.7%	273	0.3%
General / Admin								
Salaries & Wages	8.7%	531,300	8.5%	84,500	77,649	7.6%	(6,851)	(8.1%)
Employer Costs	4.9%	297,200	4.8%	48,400	39,811	3.9%	(8,589)	(17.7%)
Capital Project Labor Alloc	0.0%	0	0.0%	0	0	0.0%	0	0.0%
Insurance	1.6%	95,296	1.6%	15,883	15,221	1.5%	(662)	(4.2%)
Legal	1.0%	60,000	1.0%	10,000	15,653	1.5%	5,653	56.5%
Office Supplies	0.3%	21,300	0.1%	1,400	2,537	0.2%	1,137	81.2%
Director Meeting Payments	0.3%	18,000	0.3%	3,000	1,600	0.2%	(1,400)	(46.7%)
Telephones	0.1%	4,780	0.1%	860	1,706	0.2%	846	98.3%
IT Systems Maintenance	1.4%	88,096	2.0%	19,689	20,255	2.0%	566	2.9%
Community Communications	0.1%	4,550	0.0%	450	480	0.0%	30	6.7%
Postage	0.3%	20,400	0.3%	3,300	2,905	0.3%	(395)	(12.0%)
Bld/Grounds Maint/Pest Cntr	0.3%	17,400	0.3%	2,695	3,080	0.3%	385	14.3%
Other	1.5%	91,200	0.9%	9,425	32,602	3.2%	23,177	245.9%
Subtotal General / Admin	20.5%	1,249,522	20.0%	199,602	213,498	20.8%	13,897	7.0%
Total Operating Expenses	100.1%	6,112,387	100.0%	998,149	1,024,923	100.0%	26,774	2.7%
Operating Income (Loss)	100.0%	(8,873)	100.0%	143,412	134,142	100.0%	(9,270)	(6.5%)

	% of Total	Annual Budget	% of Total	YTD Budget	YTD Actuals	% of Total	YTD VARIANCE	
							Amount	%
Non-Operating Expenses								
Water Reserve Expenditure	0.0%	0	0.0%	0	0	0.0%	0	0.0%
Sewer Reserve Expenditure	0.0%	0	0.0%	0	0	0.0%	0	0.0%
Drainage Reserve Expenditure	0.0%	0	0.0%	0	0	0.0%	0	0.0%
Total Non-Operating Expenses	0.0%	0	0.0%	0	0	0.0%	0	0.0%
Net Income (Loss)	100.0%	(8,873)	100.0%	143,412	134,142	100.0%	(9,270)	(6.5%)

Rancho Murieta Community Services District

Budget Performance Report by FUND For the Month Ending August 31, 2017

	% of Total Rev	Annual Budget	% of Total Rev	YTD Budget	YTD Actuals	% of Total Rev	YTD VARIANCE Amount	%
WATER REVENUES								
Water Charges	98.4%	\$1,982,280	99.0%	\$456,772	\$470,372	98.4%	\$13,600	3.0%
Interest Earnings	0.2%	3,900	0.0%	200	0	0.0%	(200)	(100.0%)
Other Income	1.4%	28,770	0.9%	4,310	7,784	1.6%	3,474	80.6%
Total Water Revenues	100.0%	2,014,950	100.0%	461,282	478,157	100.0%	16,875	3.7%
EXPENSES (excluding depreciation)								
Salaries & Wages	26.4%	532,740	15.4%	70,840	72,442	15.2%	1,602	2.3%
Employer Costs	13.0%	261,740	8.7%	40,208	40,803	8.5%	595	1.5%
Capital Project Labor Alloc	0.0%	0	0.0%	0	0	0.0%	0	0.0%
Power	10.2%	204,970	4.8%	22,275	34,928	7.3%	12,653	56.8%
Chemicals	4.6%	93,000	3.6%	16,705	22,385	4.7%	5,680	34.0%
Chemicals - T&O	0.5%	9,500	0.7%	3,160	3,701	0.8%	541	17.1%
Maintenance/Repairs	7.0%	142,000	5.4%	25,060	36,656	7.7%	11,596	46.3%
Water Meters/Boxes	2.7%	54,000	1.8%	8,250	546	0.1%	(7,704)	(93.4%)
Lab Tests	1.4%	28,000	0.9%	4,000	3,681	0.8%	(319)	(8.0%)
Permits	1.6%	32,000	1.1%	5,000	50,685	10.6%	45,685	913.7%
Training/Safety	0.5%	9,300	0.3%	1,350	1,726	0.4%	376	27.8%
Equipment Rental	1.0%	21,000	0.4%	2,000	3,640	0.8%	1,640	82.0%
Other Direct Costs	17.3%	348,880	25.4%	117,289	86,779	18.1%	(30,510)	(26.0%)
Operational Expenses	86.2%	1,737,130	68.5%	316,137	357,970	74.9%	41,833	13.2%
Water Income (Loss)	13.8%	277,820	31.5%	145,145	120,187	25.1%	(24,958)	(17.2%)
38.9% Net Admin Alloc	14.2%	286,212	9.6%	44,505	49,550	10.4%	5,045	11.3%
Reserve Expenditures	0.0%	0	0.0%	0	0	0.0%	0	0.0%
Total Net Income (Loss)	-0.4%	(8,392)	21.8%	100,640	70,637	14.8%	(30,003)	(29.8%)
SEWER REVENUES								
Sewer Charges	98.4%	1,317,230	98.6%	219,228	217,431	98.2%	(1,797)	(0.8%)
Interest Earnings	0.2%	2,920	0.1%	200	0	0.0%	(200)	(100.0%)
Other Income	1.4%	18,500	1.3%	2,864	3,994	1.8%	1,130	39.4%
Total Sewer Revenues	100.0%	1,338,650	100.0%	222,292	221,424	100.0%	(867)	(0.4%)
EXPENSES (excluding depreciation)								
Salaries & Wages	26.3%	351,990	21.1%	46,805	34,914	15.8%	(11,891)	(25.4%)
Employer Costs	12.9%	172,510	12.0%	26,566	22,194	10.0%	(4,372)	(16.5%)
Power	8.9%	118,600	7.7%	17,050	22,671	10.2%	5,621	33.0%
Chemicals	4.2%	56,040	7.0%	15,500	12,140	5.5%	(3,360)	(21.7%)
Maintenance/Repairs	13.9%	186,500	9.9%	22,000	22,437	10.1%	437	2.0%
Lab Tests	1.2%	16,200	1.2%	2,700	3,112	1.4%	412	15.3%
Permits	2.6%	35,140	2.9%	6,500	18,377	8.3%	11,877	182.7%
Training/Safety	0.7%	10,000	0.6%	1,275	1,755	0.8%	480	37.7%
Equipment Rental	0.8%	10,200	0.9%	1,950	1,477	0.7%	(473)	(24.3%)
Other Direct Costs	12.2%	162,950	15.7%	34,975	15,593	7.0%	(19,382)	(55.4%)
Operational Expenses	83.7%	1,120,130	78.9%	175,321	154,671	69.9%	(20,650)	(11.8%)
Sewer Income (Loss)	16.3%	218,520	21.1%	46,971	66,754	30.1%	19,783	42.1%
29.7% Net Admin Alloc	16.3%	218,521	15.3%	33,979	37,831	17.1%	3,852	11.3%
Reserve Expenditures	0.0%	0	0.0%	0	0	0.0%	0	0.0%
Total Net Income (Loss)	0.0%	(1)	5.8%	12,992	28,923	13.1%	15,931	122.6%
DRAINAGE REVENUES								
Drainage Charges	100.0%	197,610	100.0%	32,934	32,599	100.0%	(335)	(1.0%)
Interest Earnings	0.0%	50	0.0%	15	0	0.0%	(15)	(100.0%)
Total Drainage Revenues	100.0%	197,660	100.0%	32,949	32,599	100.0%	(350)	(1.1%)

	% of Total Rev	Annual Budget	% of Total Rev	YTD Budget	YTD Actuals	% of Total Rev	YTD VARIANCE Amount	%
EXPENSES (excluding depreciation)								
Salaries & Wages	33.7%	66,590	26.9%	8,855	13,909	42.7%	5,054	57.1%
Employer Costs	16.5%	32,640	15.3%	5,026	7,045	21.6%	2,019	40.2%
Power	5.3%	10,380	3.0%	1,000	935	2.9%	(65)	(6.5%)
Chemicals	5.6%	11,000	10.6%	3,500	7,177	22.0%	3,677	105.1%
Maintenance/Repairs	6.1%	12,000	6.1%	2,000	117	0.4%	(1,883)	(94.2%)
Permits	3.3%	6,500	0.0%	0	0	0.0%	0	0.0%
Equipment Rental	2.4%	4,730	0.0%	0	0	0.0%	0	0.0%
Other Direct Costs	4.0%	7,980	8.5%	2,790	468	1.4%	(2,322)	(83.2%)
Operational Expenses	76.8%	151,820	70.3%	23,171	29,650	91.0%	6,479	28.0%
Drainage Income (Loss)	23.2%	45,840	29.7%	9,778	2,949	9.0%	(6,829)	(69.8%)
6.1% Net Admin Alloc	22.7%	44,882	21.2%	6,979	7,770	23.8%	791	11.3%
Reserve Expenditures	0.0%	0	0.0%	0	0	0.0%	0	0.0%
Total Net Income (Loss)	0.5%	958	8.5%	2,799	(4,821)	-14.8%	(7,621)	(272.3%)
SECURITY REVENUES								
Security Charges	95.0%	1,321,377	95.0%	220,228	218,638	94.2%	(1,589)	(0.7%)
Interest Earnings	0.0%	600	0.1%	150	0	0.0%	(150)	(100.0%)
Property Tax	4.7%	65,040	4.7%	10,840	10,840	4.7%	0	0.0%
Property Tax (Reserve Alloc)	-3.3%	(45,680)	-3.3%	(7,613)	(7,613)	-3.3%	(0)	0.0%
Other Income	3.6%	49,760	3.6%	8,292	10,239	4.4%	1,947	23.5%
Total Security Revenues	100.0%	1,391,097	100.0%	231,896	232,104	100.0%	208	0.1%
EXPENSES (excluding depreciation)								
Salaries & Wages	47.4%	659,800	37.7%	87,500	76,622	33.0%	(10,878)	(12.4%)
Employer Costs	33.8%	470,700	31.5%	73,100	60,137	25.9%	(12,963)	(17.7%)
Equipment Repairs	0.4%	4,900	0.3%	734	1,945	0.8%	1,211	164.9%
Vehicle Maintenance	0.4%	6,000	0.4%	1,000	1,129	0.5%	129	12.9%
Vehicle Fuel	1.0%	14,000	1.0%	2,333	2,734	1.2%	401	17.2%
Off Duty Sheriff	0.3%	4,000	1.2%	2,700	4,053	1.7%	1,353	50.1%
Other	6.0%	83,054	7.4%	17,119	22,808	9.8%	5,690	33.2%
Operational Expenses	89.3%	1,242,454	79.6%	184,486	169,429	73.0%	(15,057)	(8.2%)
Security Income (Loss)	10.7%	148,643	20.4%	47,410	62,674	27.0%	15,264	32.2%
20.3% Net Admin Alloc	10.7%	149,360	10.0%	23,225	25,858	11.1%	2,633	11.3%
Total Net Income (Loss)	-0.1%	(716)	10.4%	24,186	36,817	15.9%	12,631	52.2%
SOLID WASTE REVENUES								
Solid Waste Charges	99.9%	646,796	99.9%	107,798	108,661	100.0%	863	0.8%
Interest Earnings	0.1%	600	0.1%	150	0	0.0%	(150)	(100.0%)
Total Solid Waste Revenues	100.0%	647,396	100.0%	107,948	108,661	100.0%	713	0.7%
EXPENSES (excluding depreciation)								
CWRS Contract	86.7%	561,100	86.6%	93,516	93,834	86.4%	318	0.3%
Sacramento County Admin Fee	5.5%	35,500	5.5%	5,916	5,870	5.4%	(46)	(0.8%)
HHW Event	2.3%	14,730	0.0%	0	0	0.0%	0	0.0%
Operational Expenses	94.4%	611,330	92.1%	99,432	99,705	91.8%	273	0.3%
Solid Waste Income (Loss)	5.6%	36,066	7.9%	8,516	8,956	8.2%	440	5.2%
5.0% Net Admin Alloc	5.7%	36,788	5.3%	5,720	6,369	5.9%	648	11.3%
Total Net Income (Loss)	-0.1%	(722)	2.6%	2,796	2,587	2.4%	(208)	(7.5%)
OVERALL NET INCOME(LOSS)	-0.2%	(8,873)	13.6%	143,412	134,142	12.5%	(9,270)	(6.5%)

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

INVESTMENT REPORT

CASH BALANCE AS OF AUGUST 31, 2017

INSTITUTION	YIELD	BALANCE
CSD FUNDS		
<i>EL DORADO SAVINGS BANK</i>		
SAVINGS	0.03%	\$ 643,107.45
CHECKING	0.02%	\$ 73,663.64
PAYROLL	0.02%	\$ 78,406.03
<i>BANNER BANK</i>		
EFT	0.00%	\$ 12,470.91
<i>LOCAL AGENCY INVESTMENT FUND (LAIF)</i>		
UNRESTRICTED	1.08%	\$ 637,355.52
RESTRICTED RESERVES	1.08%	\$ 4,834,374.49
<i>CALIFORNIA ASSET MGMT (CAMP)</i>		
OPERATION ACCOUNT	1.14%	\$ 606,226.16
<i>UNION BANK</i>		
PARS GASB45 TRUST (balance as of 7/31/17)		\$ 1,414,777.44
TOTAL CSD		\$ 8,300,381.64

BOND FUNDS

COMMUNITY FACILITIES DISTRICT NO. 2014-1 (CFD)

<i>BANK OF AMERICA</i>		
CHECKING	0.00%	\$ 431,997.55
<i>WILMINGTON TRUST</i> (balance as of 11/30/16)		
BOND RESERVE FUND	0.22%	\$ 392,589.64
BOND ADMIN EXPENSE	0.22%	\$ 40,540.99
BOND SPECIAL TAX FUND	0.22%	\$ 130,839.69
BOND ACQ & CONSTRUCTION	0.22%	\$ 1,145.46
BOND REDEMPTION ACCOUNT	0.22%	\$ -
BOND COI	0.22%	\$ -
BOND SURPLUS	0.22%	\$ -
TOTAL CFD		\$ 997,113.33

TOTAL ALL FUNDS **\$ 9,297,494.97**

**Investments comply with the CSD adopted investment policy.*

PREPARED BY: *Eric Thompson*, Controller

REVIEWED BY:  , District Treasurer

MEMORANDUM

Date: September 13, 2017
To: Board of Directors
From: Steven Mobley, Interim Security Chief
Subject: Security Report for the Month of August 2017

OPERATIONS

Currently, there is one (1) Security Gate Officer, one Security Patrol Officer, and one (1) Security Chief position open. Sergeant Scarzella retired August 31 and Patrol Officer Werblun promoted to Sergeant on September 2, 2017, to fill that vacancy. We started a more visible recruitment effort by placing recruitment banners at both North and South Gates and in front of the District Administration Building. Numerous applications have been received.

Security Officer uniform patches, along with District vehicle markings, were changed to better define the mission of our Security Department, and to avoid any misconceptions and ambiguity. The shoulder patches will now read "Security Officer" instead of "Public Officer" and the vehicles will state "Security Patrol", rather than "District Patrol".

INCIDENTS OF NOTE

Numerous incidents of snake sightings and removal/relocations took place throughout the month.

August 6 – Pera Drive, deceased person / coroner handled.

August 7 – Carreta Ln, intoxicated person passed out on grass / fire transported to hospital.

August 12 – Laguna Joaquin, fish kill. Minimal security involvement.

August 14 – Puerto Drive, Dog bite/ Animal control handled.

August 14 – Wooden Pedestrian Bridge. Vandalism in form of "tagging".

August 18 – Country Store / Plaza, carjacking and vehicle break in occurred. Car recovered and reports / investigation handled by CHP.

August 25 – Celebrar, vehicle vandalism. 2 tires slashed on vehicle.

August 27 – Plaza Market, vandalism, lewd graffiti and trash left on premises.

RANCHO MURIETA ASSOCIATION COMPLIANCE/GRIEVANCE/SAFETY COMMITTEE MEETING

Meeting was August 7, 2017. Several cases were brought to the Committee for review.

RECRUITMENT

Recruitment and advertisement for Security Chief closed August 31, 2017. Eleven (11) resumes have been received. Selection of permanent Security Chief will be made by the new General Manager.

CONTRACT SECURITY

Edward R. Crouse, Interim General Manager, met with Paladin Security to discuss fill-in gate officer positions during vacation and extended absences to lessen overtime as well as maintain a consistent back-up source. A proposal is forthcoming. Other private security firms are also being considered.

SECURITY CONCERNS MEETING

Rancho Murieta Association (RMA) and District Board members and selected staff met and discussed future HOAs/gate access/park use issues related to current and future planned development. This was a closed meeting and all topics were conceptual and exploratory only. No action was taken. It was deemed to be a positive meeting and more are anticipated in the near future.



**Rancho Murieta Association
Rule Violations/Admonishments/Complaints
August 2017**

Gate Entrance	2
Parking	2
Unsafe Driving	2
Open Garage Door	32
Park Hours	5
Speeding	2
Loose/Off Leash Dogs	14
Barking Dogs	5
Unlicensed Driver	2
Stop Sign	3
Total	69



**RMA Rule Violations
Citations
August 2017**

Driveway Parking	7
Park Hours	1
Stop Sign	7
Speeding	4
Total	19

Note: A *complaint* of a violation does NOT necessarily mean a violation occurred. The complaint may have been unfounded, officers were unable to locate the complaint, or the complaint was not actually a RMA Rule violation.

MEMORANDUM

Date: September 12, 2017
To: Board of Directors
From: Paul Siebensohn, Director of Field Operations
Subject: Water/Wastewater/Drainage Report

The following is information and projects staff has worked on since the last Board meeting.

WATER

Water Treatment Plant (WTP) #1 is averaging 1.22 million gallons per day (mgd), and Plant #1 is averaging 0.99 mgd of production, and for a total of 2.21 mgd average production to provide the community's current water needs. With the days becoming shorter and cooler the demand is dropping off.

Water Plant Maintenance

We had an air tank installed by Cisco Air on the WTP control system air supply to avoid numerous low pressure alarms that resulted from too much air demand from a small system. We tried numerous other solutions until we got to this point.

WTP #2 sedimentation Basin 2 main gear sprocket for the chain of flights became locked up and we have been unable to free it up. New bearings are on order and will be installed once they arrive. In the meantime Basin 1 is meeting the demand 1 mgd flow set point.

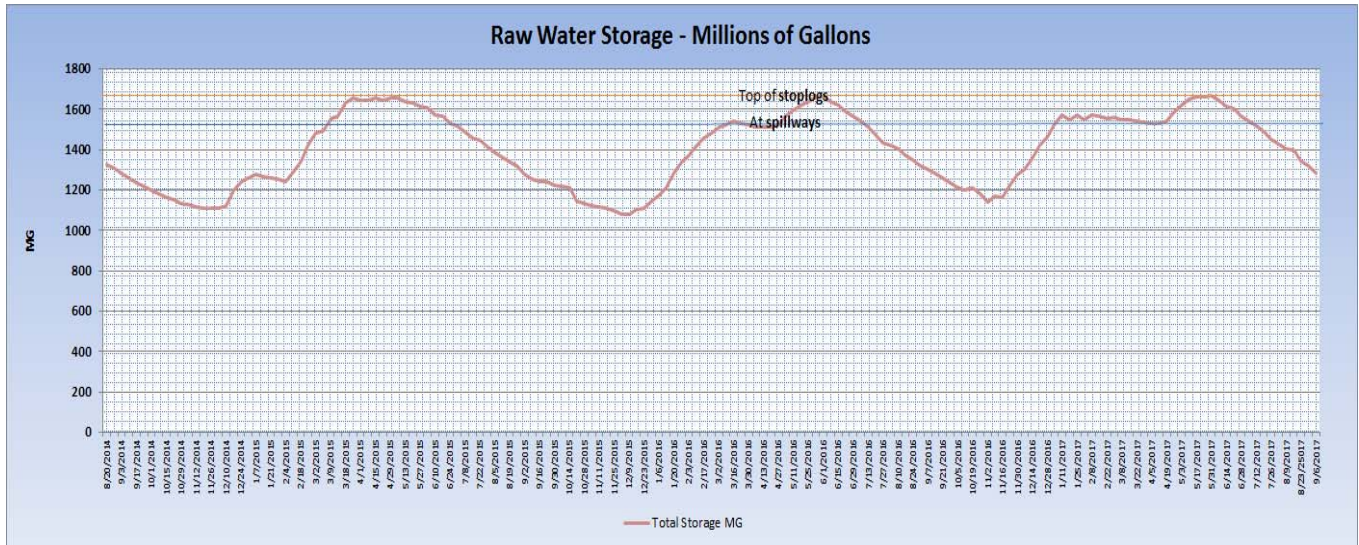
The hydrochloric acid lines for WTP #1 membrane system are being replaced. Staff discovered that the lines approved by HDR for installation are very gummy. I did some research and those lines are braided PVC, are rated "poor" for hydrochloric acid use. We have ordered and received appropriate replacement lines and will be installing them soon.

The new Raw Water Screening System "A" was not functioning correctly. We called out the manufacturer to see what they could do under warranty. Apparently the circuit board and a valve controller for the system had water damage so we had to order new parts. We will install the parts as they come in and then test out the system prior to putting it back in service.

WATER SOURCE OF SUPPLY

On September 6, 2017, all raw water storage for Calero, Chesbro, and Clementia Reservoirs measured approximately 1,268.3 MG (3,947.7 AF) of which 1,122.4 MG (3,444.6 AF) is usable due to dead storage. For Calero and Chesbro Reservoirs alone, storage measured 1,002 MG (3,075 AF), or 952.7 MG (2,622 AF) usable. In August there was no rainfall and evaporation was 9.81".

Below is a graphical representation of the water storage reservoir levels this year to date.

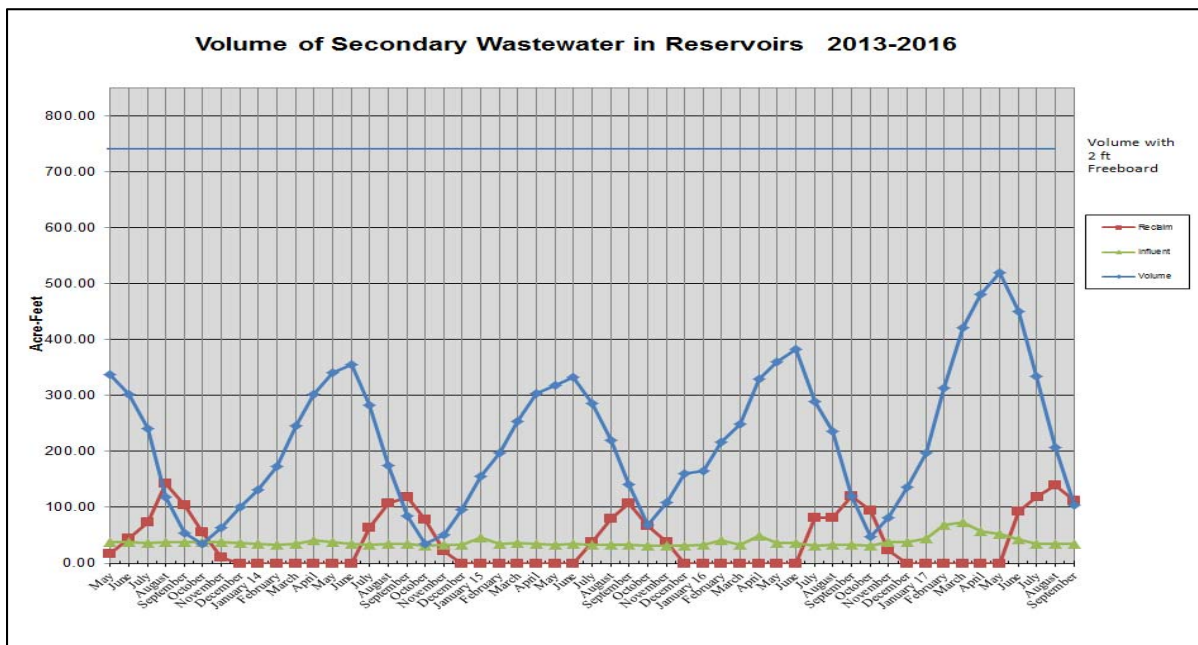


Residential water use is at 296 gallon per day per resident, as shown in the attached graph.

WASTEWATER COLLECTION, TREATMENT, AND RECLAMATION

Influent wastewater flow averaged 0.364 million gallons a day, for a total of 11.27 MG, (34.6 AF). This is approximately 141 gpd per sewer connection. The secondary wastewater measured 33.85 MG (103.9 AF) as measured on September 6, 2017. In August, we supplied 36,390,000 (111.7 AF) gallons of recycled water to Rancho Murieta Country Club (RMCC) for their irrigation needs. We also sent 710,180 (2.2AF) gallons to the Van Vleck Ranch to keep our easement for supplying recycled water active.

The graph below shows where our secondary storage compared to previous years, as measured on the first Wednesday of each month, showing we are well on track to have adequate room in our secondary storage for the upcoming year's storms.



SEWER COLLECTION

There were no problems in August. Staff helped two (2) separate residents find their sewer cleanouts.

DRAINAGE / STORMWATER

Staff, along with temporary employees, were brought in to help have been very active in the drainage system cutting vegetation throughout the community, cleaning out the cement inlets to Laguna Joaquin, and again in the ditch along the Chesbro reservoir.

We cut back the Oleanders growing around Basin 12 in the South due to multiple complaints to the Rancho Murieta Association (RMA), RMCC, and the District. After the developer built the facilities in the area, no clear delineation of who was to maintain it was provided. For a long time the Oleanders there were irrigated by a line connected to the RMCC's system but was disconnected several years ago, RMA maintains sidewalks and common grounds, we maintain drainage basins. As a compromise we cutback the Oleander bushes between the basin and the sidewalk and will eventually remove them as time permits.

Staff is reviewing Main Lift South (MLS) stormwater pump repair needs as a result of this past year's storms. Two (2) of the five (5) stormwater pumps there will not turn and are more than likely jammed up from storm debris. Staff is working with vendors to get quotes to pull and evaluate them.

The State MS4 Permit required trash provision filing was completed by the September 1, 2017 deadline with my selection of Track 2 for the District. Track 2 is that we will implement a trash collection system, although not a full one, but one that demonstrates how a full capture system equivalency will be met. By December 1, 2018 we will need an implementation plan for this in place.

We are continuing to investigate better solutions to the water quality in Laguna Joaquin and the surface appearance of Basin 5. One possible solution is for an ultrasonic system for algae control, which I am in the process of soliciting quotes for.

WATER METERING AND UTILITY STAFF WORK

In August, fifteen (15) meters and one (1) MXU were replaced for maintenance. Seven (7) plan reviews for the RMA Architectural review committee, thirty-one (31) Utility Star reports, eight (8) rebate inspections, and eighteen (18) underground service alerts (USAs) were completed. Utilities staff also repaired three (3) service line water leaks, (1)one meter gasket repair and one (1) main line leak this past month.

SOLAR POWER INSTALLATIONS

Wastewater Treatment Plant Site

Some maintenance was performed by Solar City/Telsa this past month on three (3) of the inverter systems that were acting up. I am still waiting to receive a login for the online monitoring system for the site and have re-requested it.

Water Treatment Plant Site

The fencing by Solar City is incomplete as they had schedule the Sacramento County Fire Department (SCFD) inspector to show up for the post placement and they never showed. Their response was that they are understaffed. So until the fencing is complete and inspected by SCFD and then the Sacramento County Inspector, final plans will not be signed off, which is required for SMUD to proceed with their side of what is

needed to be done. This is to make the final connections, have them inspected, get the paperwork completed to turn on the site, and then turn it on.

WELL PROJECT

Construction of the well is on hold until the Use Agreement has been agreed to. The low bidder for the project, Bradley & Sons, confirmed that they will hold their bid price through the end of September. It is hopeful that the Regional Water Authority is able to get another extension to our grant until the end of June 2018.

DEVELOPMENT PROJECTS

The Retreats East & North

The Developer has separated out the Retreats East project to make it a separate project to move forward while putting the Retreats North on hold. District contract engineer, Coastland Engineering, has reviewed and provided fairly minor comments back to the project's engineer on August 11, 2017. So far, no response has been received.

The Murieta Gardens - Murieta Marketplace

The improvement plans were reviewed with comments provided back on July 17, 2017. The project's engineer responded on July 28, 2017. Coastland is currently working with the project engineer to get bonding in place and to work on easements. The final project plans are now being developed for signature by Coastland on behalf of the District. We are not accepting easements as "District would not accept infrastructure in private parcels unless the infrastructure serves as a main transmission line through private parcels".

The Murieta Gardens II – Subdivision

The improvement plans for the Murieta Gardens II Subdivision have been reviewed. Comments provided back to the project include that the infrastructure appears acceptable with some minor changes needing to be made and notes added and that the District needs the project to evaluate what the downstream sewer impacts will be to the Cantova and Main Lift North sewer pumping stations.

Rancho Murieta North – Development Project

Former General Manager Darlene Thiel provided a comment letter on behalf of the District to Shelby Maples of Sacramento County. Interim General Manager Edward R. Crouse has verbally conveyed to the project engineer and representative that the project needs to prepare an updated Master Infrastructure Plan including an updated hydraulic analysis and the impacts that this development will have on the District infrastructure. No new news on this project.

FAA Business Park (Cantova Business Park)

Site plans for this project have been reviewed with comments provided back by Coastland on July 14, 2017. So far no response has been received. I called and spoke with John Griffin to make sure my previous emailed comment to Mike Robertson is addressed to keep trees away from foot of levee. He said he'd take care of it.

SMUD CABLE REPLACEMENT

This project to replace a lot of direct buried SMUD power lines in the North community has been completed with no major issues encountered for the District as a result of careful oversight by the District's Utilities Supervisor Ron Greenfield and good work by SMUD's subcontractor Lund Construction.

CIA DITCH

The ditch was shut off last week to allow the Gardens project to fix the leaking headwall to the CIA pipe. They are over excavating to pour concrete below the pipe entrance headwall as well as extending concrete to the sides creating wing-walls in an effort to keep water from seeping down along the CIA ditch pipe.

Utility staff cleared out sediment from the CIA ditch upstream from the headwall where two (2) pipes still had a lot of debris left in them from this year's storms.

STAFFING

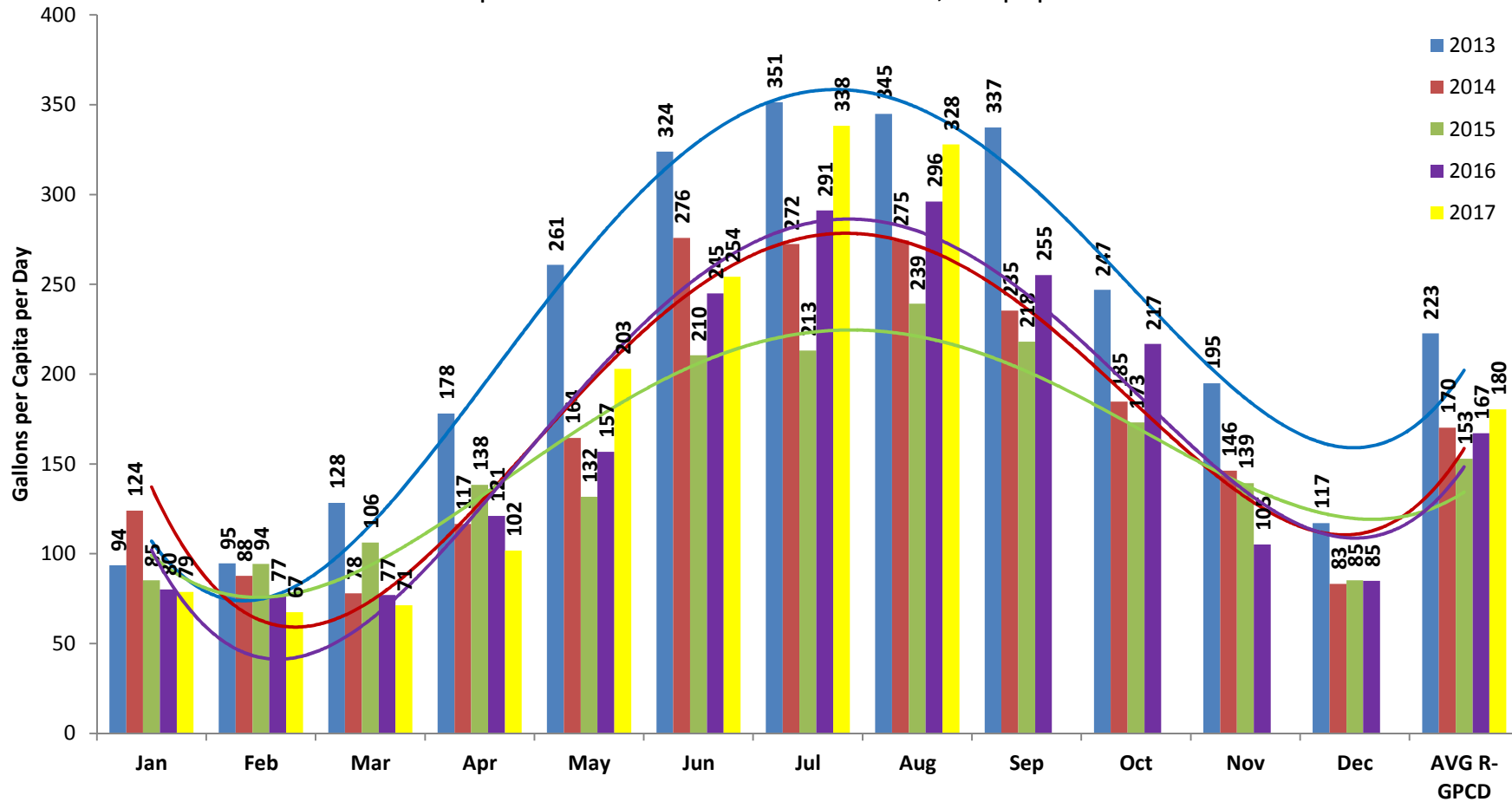
Utility staff still has one utility operator out due to a workman's compensation claim and the other that was out on a workman's comp is now better and has left for a new position with Sacramento County. We have filled the treatment operator position with our current Operator in Training (OIT) and will be recruiting again for an OIT. We have also filled the vacant Utility staff position with the new employee set to start on September 18. In the meantime, we continue to utilize temporary laborers to assist where they can without needing certifications and contract operators when they are available.

Rancho Murieta - Residential Gallons per Capita per Day

Comparison of 2013, 2014, 2015, 2016 and 2017

Residential Potable Water Consumption

Extrapolated Based on 2010 Census of 5,488 population



Conservation achieved August 2014 versus June 2013: 20%
 Conservation achieved August 2015 versus June 2013: 31%
 Conservation achieved August 2016 versus June 2013: 14%
 Conservation achieved August 2017 versus June 2013: 5%

2014 versus 2013 YTD conservation: 22%
 2015 versus 2013 YTD conservation: 31%
 2016 versus 2013 YTD conservation: 24%
 2017 versus 2013 YTD conservation: 19%

Hey Paul - Since
you took the time
to come check my
stuff out I figured ^{I will never forget}
_{your kindness.}
I would take my time
and write you a thank you
card. I really do appreciate
you doing that! Thanks!
Jeff Stanger

RESOLUTION R2017-10
IN HONOR OF MICHAEL SCARZELLA

WHEREAS, Michael (Mike) Scarzella began his public service with Rancho Murieta Community Services District in September 2009 as a Security Patrol Officer; and

WHEREAS, Mike promoted to Patrol Sergeant on January 9, 2016; and

WHEREAS, Mike has mentored and trained many Patrol Officers; and

WHEREAS, Mike has been selfless in his work ethic and dedication to the job; and

WHEREAS, Mike has been a part of the success of the Security Department and the Community Services District; and

WHEREAS, Mike has endeared himself with many friends and acquaintances in the District and Community; and

WHEREAS, Mike, during his career with the District, has received several "Thank you" and "Job Well Done" comments and letters from residents; and

WHEREAS, Mike leaves us, after 8 years of service to the residents, fellow employees, and Board of Directors of Rancho Murieta Community Services District.

NOW, THEREFORE BE IT RESOLVED that the Board of Directors of the Rancho Murieta Community Services District commends Michael Scarzella for his years of service to the community and the District and wishes Mike a happy and fruitful future.

Mark Pecotich, Board President

Morrison Graf, Vice - President

Les Clark, Director

John Merchant, Director

Gerald Pasek, Director

MEMORANDUM

Date: September 11, 2017
To: Board of Directors
From: Edward R. Crouse, Interim General Manager
Subject: Receive Presentation from Greg Vorster, General Manager, Rancho Murieta Association,
Regarding Rancho Murieta Master Trail Plan

RECOMMENDED ACTION

Receive presentation and provide direction to the District's Parks Committee Representative.

BACKGROUND

Greg Vorster, General Manager, Rancho Murieta Association (RMA), will be attending the District's Board Meeting to provide a presentation regarding the Rancho Murieta Master Trail Plan. Mr. Vorster's memo to the RMA Board of Directors is attached.



Rancho Murieta Association Memorandum

To: Board of Directors
From: Greg Vorster, General Manager
Date: August 15, 2017
Subject: Master Trail Plan

The Parks Development Agreement requires landowners to develop, and upon completion grant to RMA at no cost to RMA, a system of pedestrian and bike trails constructed to standards and specifications as approved by the Parks Committee and consistent with State and Federal regulations.

The proposed RMA Master Trail Plan attempts to follow the conceptual Exhibit "E", which is the exhibit to the Park Development Agreement depicting all trails. In November 2001, the Parks Committee approved Exhibit "E" as the trail system. This proposed RMA Master Trail Plan would replace Exhibit "E" once approved by the Parks Committee. Also in February of 2003, the Parks Committee adopted a specification for off-street trails requiring a 12' wide path with 2' shoulders constructed with 6" of base rock and 2" of asphalt.

Rancho North has already submitted a proposed Trail Plan to the County. One component of their proposal includes 17.5 miles of natural dirt trails, which is not a part of Exhibit "E".

The Master Trail Plan being proposed by RMA incorporates 17.5 miles of natural dirt trails shown on the developer's proposed map.

The approximate mileage of paved off-street trails is 6.5 miles. Also included in the proposed Master Trail Plan are on-street pedestrian/bike trails.

Once a Master Trail Plan is adopted by RMA and its Park Committee representatives are instructed to vote in favor of it, the map will next be presented to the CSD Board for approval and direction to their one Parks Committee representative. Next the Parks Committee will take action on it, and it will be presented to Sacramento County.

Recommendation:

To approve the Master ^{TPNC} Park Plan as presented, to be funded by the developers. Further resolved to approve that the RMA Parks representatives are directed to vote in favor of the proposed RMA Master Trail Plan.

MEMORANDUM

Date: September 15, 2017
To: Board of Directors
From: Edward R. Crouse, Interim General Manager
Subject: Receive Update on Laguna Joaquin and Detention Basins

RECOMMENDED ACTION

No action – receive update.

BACKGROUND

On August 3 and 4, 2017, the District treated Laguna Joaquin with copper sulfate granules, which was a normal treatment for algae in the cove where Rancho Murieta Association (RMA) has a common area irrigation pump. As a result of low dissolved oxygen due to dead algae, low water levels, and warm water temperatures on August 11 – 13, 2017, a large number of fish in Laguna Joaquin died. Many man hours of staff time were required to clean up the lake.

Over the next few days, dissolved oxygen levels rose in the lake and no more fish died. CIA ditch water was returned to the lake which helped increase dissolved oxygen levels and improved the water quality.

Attached is our update to unanswered questions from our August Board meeting.

ONGOING WORK

As the lake levels neared fill stage, we opened the lake drain valve and continued to feed in CIA Ditch water to flush the lake and to improve water quality. Dissolved oxygen levels continue to be at normal levels generally near or above 10 mg/l.

CIA Ditch water flows into the lake were suspended September 4-18, 2017 to complete remedial work on the headwall entrance structure to the new pipe. We anticipate restarting flows into the lake September 18, 2017.

I have been meeting weekly with RMA representatives and John Sullivan, representing CIA ranch interests, on short term measures to improve water quality this fall. We have considered trying to divert residential runoff from the lake, although it appears that no short term alternatives are available.

As a result of inordinately high river flows later this season, we are planning a one – off and rare opportunity to significantly lower lake levels for lake maintenance during the week of September 25-29, 2017. Work will include shoreline maintenance and cleaning and vegetation removal. To the extent possible, the lake bottom will be cleaned. A press release will be issued Monday, September 18, 2017 to notify the residents.

Later this fall, we anticipate holding resident listening sessions on lake water quality and maintenance to help us come up with long term water quality expectations and resulting maintenance operations.

RESPONSE TO OPEN QUESTIONS FROM THE AUGUST 16, 2017 PUBLIC COMMENTS – LAGUNA JOAQUIN 5:03 P.M. TO 6:05 P.M.

1. Did staff check the toxicity of the dead fish?

*We haven't examined the fish but we took samples of the water, tested the water, the algae and found that it was non-detect from the lab's perspective and when you talk to them more, that means that the blue-green algae was nontoxic. **Update: We contacted UC Davis and they would have autopsied the dead fish, provided they were fresh and died within 24 hours. Since our fish were several days old and not refrigerated, the autopsy was not recommended or performed.***

2. How many AG customers do we have?

We have no true agriculture customer. The downstream ranchers store their water in Laguna Joaquin at no cost to the residents or District. Their use of the lake for storage actually benefits the community since there are no other sources of water to fill the lake during the summer months.

3. Would CSD or RMA be responsible for cleaning the silt on the bottom of the lake?

RMA owns the lake and the District is responsible for the water quality. In a sense, both have a vested interest in cleaning the bottom of the lake.

4. Are we thinking about cleaning the lake now?

*That's been a topic that comes up about once every 4 or 5 years. And it is tabled for a variety of reasons; a lot of it is timing, but I think the primary reason is cost. **Update: Remedial lake maintenance is planned for September 25-29, 2017. A public notice/press release will be issued to inform the community of the project.***

5. Was testing done before the treatment of the lake?

*I can't say that we took dissolved oxygen readings prior to treatment but we more than likely didn't right before we applied the cooper sulfate. But, from our view, it was a normal operation of the lake, if you will, because we hadn't applied the chemical or anything else for over a month so it got back to its normal condition. When we did sample it on Friday, the dissolved oxygen level was down in the 2s near the pump station. But again by Monday it was back up to 6 and Tuesday and today it is up to 7 and 8. So the lake is coming back to the dissolved oxygen levels where fish can sustain, not stressed. **Update: we have continued to monitor dissolved oxygen levels and they are back to normal throughout the lake, see blow.***

6. What were the O2 levels prior to the treatment and in relation to what they are now?

Currently the dissolved levels have returned to normal levels, general at or above 10 mg/l, throughout the lake.

7. What type of chemical was it and the hazards of touching the water?

The type of copper sulfate that we put in and use is copper sulfate granules. We put in 10 lbs. When you look at parts per million, that equates to less than 1 part per million. The maximum dosage recommended is 2 parts per million. But we weren't trying to kill toxic algae. What we were trying to do was we didn't know if it was toxic or not, the algae we were more concerned with is the floating algae that clogs RMA's irrigation pumps and gets sucked in to the pumps out to the irrigation nozzles and clogs the valves. That was the primary purpose of dosing that area.

8. What hazard is of touching the water? The way I read that response was a general health of touching fish in general, not necessarily touching the water. Is there a concern about touching the water?

From our experience it is our normal practice and from both the District and the RMA, we have just general rules and guidelines for fishing in that area. The first is to not eat the fish, the second is to, you know, normal hygiene practices which is after you catch the fish, wash your hands. That was the expectation and that was the recommendation at the time of the event.

*Your other point was the cleanup of the chemical itself long term. That is something we will work at and report back to the community as part of our report out. **Update: we are working with outside consultants and RMA on lake bottom cleanup..***

9. Level of expertise that was used to decide to use that particular chemical?

Our applicators are licensed as certified pesticide and herbicide applicators by the State of California. Their experience, they follow all the protocols outlined by the product manufacturer and supplier, they follow the written instructions, they have the MSDS catalogue cuts available to them, they have used this product as I said for over 25 years here at the District. We have a rolling staff turnover, the new staff learns from the old staff. The specific staff that applied the chemical this time has done it several times if not many times in the past; he is a relatively long term employee at the District. He is a supervisor with the District in the Plant Operations side.

10. Was Department of Fish and Wildlife notified and what their position is?

*No we haven't notified the Department of Fish and Game. I am not aware that we need to but we will research and look into it as part of our emergency response plan. If we need to do it now, we will. **Update: We have reported the incident to the appropriate state and local agencies.***

MEMORANDUM

Date: September 15, 2017
To: Board of Directors
From: Ed Crouse, Interim General Manager and
Paul Siebensohn, Director of Field Operations
Subject: Review Water Supply Augmentation Fee and Facilities Capital Improvement Fee Study Update
and Draft Ordinance Amending Community Facilities Fees

RECOMMENDED ACTION

1. Review the fee report and draft ordinance and provide comments, input or suggestions.
2. Authorize and direct staff to schedule a public hearing regarding the fee report and introduction of the fee ordinance.

BACKGROUND

In May and June, the Board of Directors received draft technical memoranda from Coastland Civil Engineering documenting the capital projects and equipment associated with improvements for updating the Water Supply Augmentation and Community Facilities Fees. In late August, the directors received an advanced copy of the draft fee report. Since then, District staff and Coastland have further refined the fee report and District counsel has prepared a draft ordinance to implement the proposed fee increase. Attached to this memo are (1) the Coastland Civil Engineering Water Supply Augmentation Fee and Facilities Capital Improvement Fee Study Update dated September 11, 2017, and (2) a draft ordinance amending District Code chapter 8 concerning Community Facilities Fees.

The fee report incorporates as appendices the earlier Coastland technical memoranda that describe and estimate the costs of the planned capital improvements and that explain the planned development projects and equivalent dwelling unit (EDU) calculation. The technical memoranda have been revised with additional detail on project components and adjustments to project cost estimates to reflect costs such as mobilization and appropriate levels of contingencies for planning level estimates.

District staff has determined that the administration facilities serve as support and management and that it is more appropriate to fund the administration facilities through the other capital improvement fees. Consequently, the Community Facilities Fees will include the water, sewer, drainage, and security capital improvement fees and the administration facilities fund balance and projects will be reallocated among these other fee accounts.

The fee report recommends changing the Water Supply Augmentation Fee and the Community Facilities Fee (which are currently set at \$4,660 per EDU at \$1,180 per EDU, respectively) as follows:

- Water Supply Augmentation Fee: \$5,942 per EDU
- Community Facilities Fees
 - Water Capital Improvement Fee: \$1,730 per EDU

- Sewer Capital Improvement Fee: \$2,413 per EDU
- Drainage Capital Improvement Fee: \$0 per EDU
- Security Capital Improvement Fee: \$62 per EDU
- Total Fee: \$4,205 per EDU

The drainage fee is proposed at zero because the current fee fund balance is sufficient to cover new development's share of the planned drainage system improvements.

Regarding the EDU calculation, the methodology for calculating residential fees remains unchanged. However, the methodology for calculating fees for non-residential projects is proposed to be changed. Prior methodology was based on type of project and equated to the overall developed square footage of the project. The new methodology is based on equating the project water meter size to a standard one-inch meter, utilizing the instantaneous demand and American Water Works Association (AWWA) standards. Below is a breakdown by meter size:

- 1" meter = 1 EDU
- 1.5" meter = 2 EDUs
- 2" meter = 3.2 EDUs
- 3" meter = 6.4 EDUs
- 4" meter = 10 EDUs
- 6" meter = 20 EDUs
- 8" meter = 32 EDUs

The methodology acknowledges that instantaneous demands from commercial, industrial, and institutional projects have a larger impact on the water system in comparison to a single-family residential connection. AWWA standards were used as these equate larger meters to a standard one-inch meter used for a single-family residential connection. This change is incorporated in the draft ordinance.

John Griffin from Coastland Civil Engineering will attend the Board meeting to review and discuss the fee report and answer any questions.

ORDINANCE NO. O2017-02

**AN ORDINANCE OF THE BOARD OF DIRECTORS OF
THE RANCHO MURIETA COMMUNITY SERVICES DISTRICT
AMENDING DISTRICT CODE CHAPTER 8 CONCERNING COMMUNITY FACILITIES FEES**

The Board of Directors of the Rancho Murieta Community Services District hereby ordains as follows:

Section 1. Purpose and Authority. The purpose of this ordinance is to update and increase the District Water Supply Augmentation and Community Facilities Fees (“Fees”) based on the costs of planned utility system and other capital improvements and expansions as appropriate to meet the service and facility needs of new development. This ordinance is adopted pursuant to Government Code sections 54344, 54350, 61115(a)(1), 61123(a), 66013, 66016, and 66022, and other applicable law.

Section 2. Findings. The Board of Directors finds and determines as follows:

(a) The District currently levies and collects the Fees pursuant to District Code chapter 8. The District retained Coastland Civil Engineering to evaluate and update the Fees and the related capital improvement projects and plans. As a first step in this work, Coastland researched, evaluated, and prepared three Technical Memoranda: a TM dated September 8, 2017 concerning Development Projects and EDU Calculation Summary; a TM dated June 27, 2017 concerning Water Supply Augmentation Project - Recycled Water Program; and, a TM dated August 29, 2017 concerning Facility Capital Improvement Projects. Coastland then prepared the Water Supply Augmentation Fee and Facilities Capital Improvement Fee Study Update dated September 11, 2017 (the “2017 Fee Report”), which recommends increases in the Fees. The 2017 Fee Report (together with the technical memoranda that are appendices to the report) also describes and estimates the capital costs of the water, sewer, drainage, and security capital improvements and expansion that are necessary and appropriate to serve the anticipated service needs and demands of new development. By this ordinance, the Board accepts and approves the 2017 Fee Report.

(b) With the current fee amounts, the present and future funds and revenues of the District are and will be inadequate to fund the necessary utility and security system improvements to serve new development in the District. The most fair and equitable method of ensuring that new development pays its fair share of the costs of capital improvements to expand District facilities and capacity is through the imposition of fees that are payable upon connection to the District utility system. This approach will ensure that all future connections pay the cost of improvements necessitated by the expanded demand for capacity in the utility and security systems.

(c) The purpose of the adjusted Fees is to fund water, sewer, drainage, and security system facility improvements and expansion needed to provide service to new development and utility connections within the District.

(d) New development and utility connections in the District will result in increased use of and burdens on existing facilities. Without improvements to its existing system facilities, the new development will adversely impact the District’s ability to continue providing an

adequate level of utility and security service to existing development and residents within the District while also serving new development.

(e) The need for capital facilities improvements in the District is caused by all types of development because all new development contemplated in the District (whether residential, commercial or other) will require new utility and security service and, therefore, all new development will result in increased use of and burdens on the District's utility and security system facilities.

(f) There is a reasonable relationship between use of the Fees revenue and new residential, commercial and other development projects in the District, because (1) the District will have adequate revenues and funds available to pay for facilities improvements and expansion necessary or appropriate to serve all requested new connections with the adequate utility and other services, (2) the owners, residents, and other users of the new development will benefit from the availability of utility and other services, and (3) all of the new development contemplated in the District will require and benefit from District water, sewer, drainage and security services.

(g) There is a reasonable relationship between the need for utility and security facilities in the District and improvements necessary or appropriate to serve new residential, commercial and other development projects because the new development will place a burden on the limited capacity of the existing system, adversely impact the District's ability to adequately and safely serve both the existing property owners and residents and new development in the District, and thereby cause a need to expand the systems to serve the new development.

(h) As demonstrated in the 2017 Fee Report, there is a reasonable relationship between the amount of the Fees established by this ordinance and the portion of the total cost of the needed improvements attributed to new development projects because (1) costs and fees are allocated based on a fair dwelling unit/equivalent dwelling unit basis as described in Fee Report Appendix B such that the costs are reasonably allocated based on the anticipated service demand from new development projects, and (2) the Fees charged to a particular new development or construction project will not exceed the total estimated reasonable costs of the utility and security facilities and improvements needed to serve that project.

(i) The purpose of the Water Supply Augmentation Fee continues to be the funding of improvements to provide an additional water supply to meet the water supply needs of new development. However, with this ordinance, the means of attaining that objective change from the development and installation of new groundwater supply wells to the development and construction of an expanded recycled water system. The delivery of recycled water to additional non-potable uses (made possible through the development of recycled water improvements) frees up additional treated water to serve the needs of new development. The Board finds and determines that funding the recycled water system improvements as a means to generate additional treated water capacity is preferable to, and more efficient than, the development and installation of new groundwater wells. The current Water Supply Augmentation Fee balance shall be used and redirected toward the recycled water improvement projects as described in the 2017 Fee Report and appendices.

(j) The District Board of Directors noticed and conducted a public hearing on the 2017 Fee Report and this proposed ordinance in accordance with legal requirements. The 2017 Fee Report and this ordinance have been available for public inspection, review and copying for at least 10 days prior to the date of the public hearing in accordance with Government Code section 66016.

(These findings are based on the 2017 Fee Report (including the appendices), District utility system master plans, other supporting documents in the District's files, and testimony and other information received at the public hearing on this matter.)

Section 3. Chapter 8 Amendments. Section 3.00 of District Code Chapter 8 is amended to read as follows:

SECTION 3.00 Community Facilities and Other Fees

3.01 Community Facilities Fees Established

The District approves, adopts, and continues in effect (a) the following Community Facilities Fees as described below and in the Water Supply Augmentation Fee and Facilities Capital Improvement Fee Study Update dated September 11, 2017 ("2017 Fee Report") - Water Capital Improvement Fee, Sewer Capital Improvement Fee, Drainage Capital Improvement Fee, Security Capital Improvement Fee, and Water Supply Augmentation Fee, and (b) a Community Park Fee. The fees in this section shall apply to the construction of any new building or structure in the District that requests District water or sewer service.

3.02 Deposit and Use of Fees

The General Manager or his or her designee shall deposit the Community Facilities Fees revenue in separate capital facilities funds (one for each fee type) and account for each fee in a manner to avoid any commingling with other District moneys or funds (except for inter-fund borrowing). Any interest income earned from the investment of moneys in a fee fund shall be deposited in that fund. The District, by resolution adopted by its Board of Directors, may approve the temporary inter-fund borrowing and investments among the fee funds and other District funds. The fee funds, and interest earned on the funds, shall be expended solely for: (a) the uses and purposes described in the 2017 Fee Report and appendices; (b) reimbursing the District for a development's fair share of any public facilities described in the 2017 Fee Report that are constructed or provided by the District; (c) reimbursing a developer who previously constructed or provided public facilities of a type described in the 2017 Fee Report and where those public facilities were beyond that needed to serve the needs of the developer's project; or (d) such other use as authorized by resolution of the District Board of Directors.

3.03 Time of Payment

The Community Facilities Fees shall be paid by the applicant at or prior to the time of the District's issuance of a water or sewer permit for service to the premises, or the District's initial provision of service, whichever occurs first. The fees shall be paid at the rate in effect on the day of payment. As explained in section 3.04, the fees for nonresidential uses are calculated based on water meter size. If the owner of a premises with an existing water connection requests the installation of a larger meter to serve expanded or changed use of the premises, then, as a condition of installation of the larger meter, the owner shall pay additional Community Facilities Fees in a sum as calculated based on the fee amount for the new meter size at the then-applicable fees minus the fee amount for the existing (to be replaced) meter size at the then applicable fees.

3.04 Dwelling Unit and Equivalent Dwelling Unit Calculation

(a) The Community Facilities Fees shall be imposed and calculated on an equivalent dwelling unit (EDU) basis. The EDU calculation is explained in Appendix B of the 2017 Fee Report. For residential development, the EDUs shall be determined and applied as follows:

Residential	
Development Type/Size	EDU Calculation
Estate lot > 24,000 square feet	1 lot = 2.5 EDUs
Estate Lot between 12,000 - 24,000 square feet	1 lot = 1 EDU
Estate lot < 12,000 square feet	1 lot = 0.9 EDU
Cottage and circle (70' or 90') lots	1 lot = 0.7 EDU
Townhouse, halfplex, & country club lodge lots	1 lot = 0.5 EDU
Apartment	1 dwelling unit = 0.3 EDU

(b) For nonresidential development, the EDUs shall be determined and applied as follows based on the water meter size to serve the development or construction project:

Nonresidential	
Water meter size	No. EDUs
1-inch	1 EDU
1.5-inch	2 EDUs
2-inch	3.2 EDUs
3-inch	6.4 EDUs
4-inch	10 EDUs
6-inch	20 EDUs
8-inch	32 EDUs

(c) The District uses a standard of 1 EDU equaling 750 gallons per day of average water usage. For any new development or construction project that falls outside the EDU calculations set forth above, the General Manager shall estimate and determine the appropriate number of EDUs based on this standard and the anticipated water usage of the new project.

(d) If the new development or construction project includes a private fire department water connection (“FDC”), then the EDU calculation for the premises shall be increased by an amount determined in accordance with the following:

FDC Size	Additional EDU
4” Diameter FDC	0.40 EDU/connection
6” Diameter FDC	0.50 EDU/connection
8” Diameter FDC	0.60 EDU/connection

3.05 Fee Amount

(a) The Community Facilities Fees are as follows:

Fee Type	Fee Amount (2017-18)
Water Capital Improvement Fee	\$1,730 per EDU
Sewer Capital Improvement Fee	\$2,409 per EDU
Drainage Capital Improvement Fee	\$0
Security Capital Improvement Fee	\$66 per EDU
Water Supply Augmentation Fee	\$5,938 per EDU

Commencing January 1, 2019, the amount of the Community Facilities Fees shall be adjusted annually each January 1 based on the previous year's change in the mean index for 20 U.S. cities in the National Engineering News Record Construction Cost Index. The General Manager shall make this adjustment and keep and maintain a current schedule of applicable fees at the District office.

(b) A Community Park Fee in the amount of \$1,983.96 per single family or multi-family dwelling unit.

Note: Pursuant to that certain Parks Agreement, dated September 19, 1990, dwelling units designated by Rancho Murieta Association as participants in the Rancho Murieta Association Private Recreation Program will be given a credit in the amount of \$1,213.15. Such dwelling units, as of the effective date of the ordinance first adopting the Community Park Fee, are those located on the following properties:

1. Rancho Murieta Unit 1 – except lots A and B
2. Rancho Murieta Unit 1 A
3. Rancho Murieta Unit 2
4. Rancho Murieta Unit 3
5. Rancho Murieta Unit 3 A
6. Rancho Murieta Unit 3 B
7. Rancho Murieta Unit 4
8. Rancho Murieta South Unit 1 A
9. Rancho Murieta South Unit 1 B
10. Rancho Murieta South Unit 2 A
11. Rancho Murieta South Unit 2 B
12. Rancho Murieta South Unit 3
13. Rancho Murieta South Unit 4
14. Rancho Murieta South Proposed Unit 5
15. Rancho Murieta South Proposed Phase II

- 16. Rancho Murieta South Parcel 3
- 17. Rancho Murieta South Parcel 4
- 18. Rancho Murieta South Parcel 5
- 19. Rancho Murieta South Parcel 6

3.06 Fee Waiver or Reduction

Upon written request filed by a property owner prior to the due date for payment of any Community Facilities Fee, the Board of Directors may approve a fee waiver or reduction if, in the reasonable judgment of the Board as supported by specific findings and evidence, the Board determines that a waiver or reduction is appropriate because (a) the owner will receive insufficient or no benefit from the fee imposed and would therefore be required, if the fee were imposed in full, to pay more than its fair share for the benefit received, (b) imposition of the fee or fee in full would result in a substantial inequity as compared to other similarly situated owners, or (c) imposition of the fee or full fee would be unlawful in the particular circumstances. Findings must be based on written and other evidence substantiating the owner’s contention that the fee should be waived or reduced. The owner shall bear the burden of proof to demonstrate that a waiver or reduction is appropriate.

Section 4 CEQA

The Board of Directors finds that these fee increases are for the purposes of meeting operating expenses of the District utility operations (including labor, supplies, equipment and materials), meeting financial reserve needs and requirements of the District utility systems, and obtaining funds for utility system improvements that are necessary and appropriate to maintain and expand utility service within the existing District service area. Accordingly, the District Board determines that these fee increases are exempt from environmental review under the California Environmental Quality Act and CEQA Guidelines. (Public Resources Code § 21080(b)(8); CEQA Guidelines § 15273.)

Section 5 Effective Date

This ordinance and the new fees shall take effect 30 days after its final passage.

Section 6 Severability

If any section or provision of this ordinance or the application of it to any person, transaction or circumstance is held invalid or unenforceable, such invalidity or unenforceability shall not affect the other provisions of this ordinance that can be given effect without the invalid or unenforceable provision, and to this end the provisions of this ordinance are declared to be severable.

Section 7 Publication

The District Secretary is directed to publish this ordinance once in a newspaper of general circulation published in the District within 15 days after the adoption of the ordinance.

INTRODUCED by the Board of Directors on the ____ day of _____ 2017.

PASSED AND ADOPTED by the Board of Directors of the Rancho Murieta Community Services District at a regular meeting on the ____ day of _____ 2017 by the following roll call vote:

- AYES:
- NOES:
- ABSENT:
- ABSTAIN:

Mark Pecotich, President, Board of Directors

Attest:

DRAFT



Water Supply Augmentation Fee and Facilities Capital Improvement Fee Study Update

September 11, 2017



Prepared by

SECTION I. INTRODUCTION

Rancho Murieta is an unincorporated community located in southeastern Sacramento County. The community is generally bounded by Stonehouse Road to the west, Highway 16 to the south, Latrobe Road to the north, and Michigan Bar Road to the east. A portion of the community is located south of Highway 16 and in this area is bounded to the south by the Cosumnes River.

Rancho Murieta Community Services District (District) was formed in 1982 to provide essential services within the community. The District is an independent special district that provides essential services to an area of 3,500 acres, with a current population within the District of approximately 5,600 people. Figure 1 presents the boundaries of the District along with a general vicinity map of the area.

The essential services provided by the District consist of the following:

- Security
- Water treatment, storage, and distribution
- Wastewater collection, treatment, and reuse
- Storm drainage collection and disposal
- Solid waste collection

State law authorizes the District to charge new development for capital facilities, conditioned upon the requirement that the charges imposed on new development bear a reasonable and defensible relationship to the needs created by and the benefits accruing to that development. This authority is granted to the District by Government Code Sections 61115, 61123, and 66013 and other laws. Excerpts of the pertinent sections of Government Code are included in Appendix A.

In order to provide funding for the logical expansion of infrastructure needed to provide these essential services to new development, the District currently collects a Water Supply Augmentation Fee and a Community Facilities Fee. The District relies upon water rights from the Cosumnes River to meet the water demands of the service area. The District's Board of Directors (Board) recognized that existing raw water supplies are inadequate to accommodate buildout of the District's service area and new water supply sources are needed. Consequently, a water supply augmentation fee was established to provide a funding mechanism to expand the existing raw water system to meet the build-out demands of the District. As originally planned, the augmentation fee would fund groundwater wells to augment the District's surface water supply.

In order to fund improvements necessary to provide the essential services to new development, the District adopted a Community Facilities Fee based on a list of facilities capital improvement projects and capital equipment identified as necessary to accommodate build-out of the service area at that time. The Community Facilities Fee actually will consist of four separate accounts or sub-fees: water, sewer, drainage, and security capital improvement fees.

The current fees are set forth in District Code, Chapter 8. Most recently, on July 7, 2014, the District adopted Ordinance 2014-02, adjusting the current Water Supply Augmentation fee at \$4,660 per equivalent dwelling unit (EDU) and the current Community Facilities Fee at \$1,180 per EDU. Over the years, fees have been collected by the District and a summary of funds collected by the District is provided in Section II of this report.

The service area of the District is not yet fully built out. The development projects that are planned to move forward within the service area of the District are discussed in more detail in Section III of this report.

Currently, the District delivers recycled water to the two Rancho Murieta golf courses as a supplemental water supply. Recently, the Board decided to expand the recycled water system within the community outside of the two golf courses, recognizing that expansion of recycled water use for landscape irrigation provided for a more reliable additional water supply source as a means of augmenting the existing raw water supply, in lieu of new groundwater wells. In order to implement this vision, the District embarked on a recycled water master planning effort. A new list of water supply augmentation projects, related to recycled water, originated from this effort and is presented in the Kennedy Jenks report titled "Recycled Water Program Preliminary Design Report" dated January 2017. More information on these water supply augmentation projects is provided in Section IV of this report.

The purpose of the water supply augmentation fee remains the same, which is to fund the development of an additional water supply to meet the water supply needs of new development. However, the means of attaining that objective have been changed from the development and installation of new groundwater supply wells to the development and construction of an expanded recycled water system. The delivery of recycled water to additional non-potable uses (made possible through the development of recycled water improvements) frees up additional treated water to serve the needs of new development.

The original facilities capital improvement projects and capital equipment list are such that many of the outstanding projects and equipment are no longer appropriate to serve build-out of the District. Therefore, an updated list of the facilities capital improvement projects and capital equipment needs was researched and prepared, to allow the District to provide for the orderly expansion of District facilities to accommodate the remaining growth planned within the District's service boundary. The new list of facilities capital improvement projects and equipment was approved by the Board at meetings held on May 17, 2017, and June 21, 2017. The new list of water capital improvement projects, sewer capital improvement projects, drainage capital improvement projects, and administration capital improvement projects is discussed in more detail in Section V of this report. Since the May 17 and June 21 Board meetings, District staff and Coastland have further evaluated the list of projects and cost estimates and Coastland has prepared a revised, updated Technical Memorandum dated August 29, 2017 (attached as Appendix D) providing additional information for the proposed capital improvement projects and equipment and supporting cost estimates.

While new groundwater wells no longer are being considered to supply water for new development, the District is planning to install an emergency groundwater well that would be on standby and used only in emergency situations and other exigent circumstances affecting the District's normal surface water supply. The emergency well will be funded through the water capital improvement fee and grants and the local costs of the well will be shared on a pro rata basis between the existing ratepayers and new development. This project, and others, that benefit both existing ratepayers and new development, are discussed in more detail in Section VI.

As this list of projects is being updated, the District must also revisit the current fee structure for the Water Supply Augmentation Fee and Community Facilities Fees to ensure that the fees are reasonable and based only on current identified needs and costs. There are a number of methodologies available to calculate fees. The most widely and legally defensible methodologies

used for calculating capital fees for future users are the system buy-in, incremental cost, and hybrid.

The system buy-in approach rests on the premise that new customers are entitled to service at the same price and quality as existing customers. This approach is commonly used in the following cases when:

- Existing customers have already developed the facilities that will serve new customers, including the costs associated with financing those services.
- The public agency doesn't have a comprehensive, long-term capital improvement plan.
- Buy-in rate is sufficient to cover future capital needs.

Under the incremental-cost approach, new customers pay for additional capacity requirements, which are typically tied directly to a Capital Improvement Master Plan. Future costs are spread over remaining users/demand. Any existing facilities with additional capacity are also included to ensure new development pays their fair share.

The hybrid is simply a combination of the system buy-in approach and incremental-cost approach.

There are multiple reasons to utilize the incremental cost approach to establish the modified water supply augmentation, water capital improvement, sewer capital improvement, drainage capital improvement, and security capital improvement fees. First, the District has identified a new list of water supply augmentation projects, facilities capital improvements projects, and facilities capital equipment to serve build-out of the District's service area and has identified the specific areas within the service area that will benefit. Second, prior projects constructed with excess capacity were all previously paid for by the new users that would receive benefit from the projects, meaning there are no projects that new users must buy into. The fee calculation methodology is discussed in Section VII.

Section VIII of this report provides a comparison of proposed fees to existing similar fees of nearby jurisdictions and districts. Section IX provides recommended actions pertaining to the proposed fees for the next five years.

SECTION II. EXISTING FEES AND BALANCES

In the past, the funds collected through the Community Facilities Fees have included an allocation toward administration facilities. To date, the District has collected \$559,835 in fees toward administration capital. The District has determined that the administration facilities proposed will serve as support facilities which benefit the other four capital improvement categories and that it is more appropriate to fund the administration facilities through the other four capital improvement fees. Consequently, the administration facilities fund balance in the Community Facilities Fees will be reallocated to the water, sewer, drainage, and security capital improvement fee accounts per the following percentages, consistent with District audited financial statements.

- Water: 38.9%
- Sewer: 29.7%
- Drainage: 6.3%
- Security: 25.1%

These administration capital fees are existing fees collected to date by the District and are not associated with funds needed for administration capital improvement projects and capital equipment discussed in Section V of this report.

Over the years, the District has been collecting fees from all new connections to cover the costs for new capital improvements to serve the needs of new development. Some of these funds have been temporarily loaned out to other District enterprise funds, in accordance with Board actions. As of May 31, 2017, the amount of cash on hand and loan balances to other funds, along with the distribution of administration capital funds currently on account with the District and current balance for the various fee accounts are as follows.

Table 1 – Current Balance Summary

Fee Account	Cash on Hand	Loan Balance	Administration Distribution	Current Balance
Water Supply Augmentation	\$1,698,790	\$382,964	\$0	\$2,081,754
Water Capital	-\$245,589	\$0	\$217,776	-\$27,813
Sewer Capital	-\$49,563	\$0	\$166,271	\$116,708
Drainage Capital	\$235,171	\$65,106	\$35,270	\$335,547
Security Capital	-\$136,350	\$0	\$140,518	\$4,168
TOTAL	\$1,502,459	\$448,070	\$559,835	\$2,510,364

There are upcoming costs for studies necessary to accommodate new growth that will be funded from these four fee accounts and the Water Supply Augmentation Fee that have not yet been expended by the District. In particular, the District is embarking on an Electronic Document Management System, at a total estimated cost of \$58,000. The District has determined that \$20,000 of this sum benefits new development. The \$20,000 therefore will be funded out the monies in the four Community Facilities Fee accounts, to be split at the Community Facilities Fee percentages identified above. No other expenditures of capital funds are envisioned during the existing fiscal year.

Further, the fee account funds will be used to pay costs for the Kennedy Jenks Recycled Water/Pre-design Report and Sewer Force Main Assessment and this Coastland fee report. The anticipated total remaining costs for the Kennedy Jenks studies are estimated at \$13,264, to be funded out of Water Supply Augmentation. The anticipated total remaining costs for the Coastland report is estimated at \$41,058, to be split 50% to Water Supply Augmentation Fee and 50% to the Community Facilities Fee percentages identified above. The District determined that the 50%/50% allocation is appropriate because the fee report was prepared to support and aid in the re-evaluation and adjustment of both fee categories. Lastly, revenue is needed to pay for an updated fee report to be prepared in five years. The cost of that report is estimated at \$60,000, to be split 50% to Water Supply Augmentation Fee and 50% to the Community Facilities Fee percentages identified above.

These anticipated costs will reduce the current balance of each fund. The costs and adjusted balances for each of the five fee accounts is as follows.

Table 2 – Adjusted Balance Summary

Fee Account	Current Balance	Anticipated Costs	Adjusted Balance
Water Supply Augmentation	\$2,081,754	\$63,793	\$2,017,961
Water Capital	-\$27,813	\$27,436	-\$55,249
Sewer Capital	\$116,708	\$20,947	\$95,761
Drainage Capital	\$335,547	\$4,443	\$331,104
Security Capital	\$4,168	\$17,703	-\$13,535
TOTAL	\$2,510,364	\$134,322	\$2,436,042

SECTION III. PROPOSED DEVELOPMENT PROJECTS

A number of development projects are proposed within the District's boundary. A map of the development projects is presented in Figure 2. These projects are in various stages of planning, from fully entitled and in development to planned, and consist of the remaining undeveloped areas within the District's service boundary. Table 3 provides a summary of these development projects, along with the estimated equivalent dwelling units (EDUs) for each project. Figure 2 and Table 3 are consistent with the County of Sacramento General Plan and master plan for Rancho Murieta.

The estimated total number of new EDUs is 1,718.1. Additional information on the proposed projects and the methodology employed to determine EDUs is presented in the Coastland technical memorandum dated September 8, 2017 titled "Development Projects and EDU Calculation Summary", included as Appendix B.

As discussed in the technical memorandum, the methodology for calculation of EDUs for non-residential projects is proposed to be changed. The District's current methodology equates EDUs to developed square footage, whereas the proposed methodology equates EDUs to water meter size, based on industry standards identified by American Water Works Association. Additional information to justify this changed methodology is also included in the technical memorandum cited above.

Table 3 – Development Project Summary

Name of Development	Status of Application	Total EDUs for Project
Riverview	Entitled	126.8
Lakeview	Entitled	89.1
Residences – East	Entitled	95.5
Residences – West	Entitled	89.1
Retreats West, North, and East ^a	Entitled	46.2
Murieta Gardens (commercial) ^b	Entitled	71.0
Murieta Gardens (residential)	Entitled	70.2
Industrial/Commercial/Residential 39 ^c	Pending	160.0
Village A (River Canyon)	Pending	119.1
Village B (Highlands)	Pending	136.0
Village C (Terrace)	Pending	61.2
Village D (Granlee)	Pending	70.0
Village E (The Village at Lake Jean)	Pending	57.5
Village F (Chesbro Square)	Pending	81.0
Village G (Calero East)	Pending	50.0
Village G (Calero West)	Pending	
Village G (Calero North)	Pending	
Village H (Calero South)	Pending	88.4
Parks ^d	Constructed/Pending	246.0
Others ^e	Future	10.0
Apartment 17 ^f	Anticipated	51.0

See Development Projects and EDU Calculation Summary Tech Memo for information on the footnotes for this table.

SECTION IV. PROPOSED WATER SUPPLY AUGMENTATION PROJECTS

As discussed in Section I, the list of water supply augmentation projects to be funded by the Water Supply Augmentation fee is based on the Kennedy Jenks report titled “Recycled Water Program Preliminary Design Report” dated January 2017 and the Coastland Technical Memorandum dated June 27, 2017. A list of the eighteen projects and estimated overall cost for each project is presented in Table 4 below.

Table 4 – Water Supply Augmentation Project Summary

Project Number	Project Name	Project Estimate
17-5-01	Recycled Water SCADA Control System	\$331,250
17-5-02	Equalization Basin Potable Water Air Gap	\$100,700
17-5-03	Recycled Water Pumping Station	\$1,384,625
17-5-04	District Headquarters Conversion	\$26,500
17-5-05	Northwest Recycled Water Transmission Main	\$1,909,325
17-5-06	Lookout Hill Booster Pump Station	\$810,900
17-5-07	Escuela Park Conversion	\$21,200
17-5-08	Stonehouse Park Conversion	\$47,700
17-5-09	Lookout Hill Water Storage Tank	\$722,125
17-5-10	North Main Gate Conversion	\$23,850
17-5-11	Commercial Loop Conversion	\$33,125
17-5-12	SCADA Upgrades	\$108,650
17-5-13	Disinfection Facility Upgrade	\$881,125
17-5-14	North Golf Course Conveyance System	\$2,146,500
17-5-15	Bass Lake Tank	\$1,611,200
17-5-16	Bass Lake Booster Pump Station	\$828,125
17-5-17	Seasonal Storage Reservoir Expansion	\$1,099,750
17-5-18	Tertiary Pump Station Pump Replacement	\$132,500
Project Total		\$12,219,150

Additional information on the proposed Water Supply Augmentation Projects is presented in the Coastland technical memorandum dated June 27, 2017, titled “Water Supply Augmentation Project – Recycled Water Program”, included as Appendix C.

The January 2017 Recycled Water Program Preliminary Design Report includes the Van Vleck/Anderson Spray Field 4 project (CIP 17-2-15) as one of the water supply augmentation projects. For purposes of this fee report, that project has been moved from the water supply augmentation fee list of projects to the sewer capacity charge list of projects, because based on subsequent analysis District staff and Coastland determined that the spray field improvements are more closely related to wastewater disposal and therefore should be funded through the sewer capital improvement fee. The updated Coastland technical memorandum reflects this change.

The water supply augmentation projects listed above will improve and expand the capacity of the District’s recycled water system and will allow the District to significantly expand its use of recycled water. The effect of these improvements will be to reduce the use of the treated water supply and make more of that water supply available to serve new development, essentially augmenting the District’s water supply. These improvements are not necessary to provide on-going water service to existing users and ratepayers. Consequently, the costs of the water supply augmentation projects are allocated 100% to new development.

SECTION V. PROPOSED FACILITY CAPITAL IMPROVEMENT PROJECTS AND COSTS

As discussed in Section I, the District revisited the individual facility capital improvement projects and capital equipment. A list of these items and estimated overall cost for each individual item are presented in Tables 5 through 8 below.

Table 5 – Water Capital Improvement Project and Capital Equipment Project Summary

Project No.	Project Name	Project Est.
17-1-01	Rio Oso Hydropneumatic Station Air Compressor	\$29,120
17-1-02	Booster Pump Building at Rio Oso	\$508,200
17-1-03	Rio Oso Hydropneumatic Tank	\$213,500
17-1-04	Culvert Crossing at Water Treatment Plant	\$159,880
17-1-05	Dam Road Grading and Resurfacing	\$1,227,600
17-1-06	Chlorine Gas to Bleach Conversion - Water Treatment Plant	\$352,940
17-1-07	Maintenance Shed (20' x 40') at Water Treatment Plant	\$67,480
17-1-08	Emergency Water Supply Well	\$1,043,200
Water Capital Improvement Project and Capital Equipment Total		\$3,601,920

Table 6 – Sewer Capital Improvement Project and Capital Equipment Project Summary

Project No.	Project Name	Project Est.
17-2-01	Sewer/Drainage Hydro Cleaning Truck (Split 50/50 Sewer & Drainage)	\$168,000
17-2-02	Material and Equipment Warehouse	\$147,840
17-2-03	Drying Bed and Access Road Improvements	\$605,500
17-2-04	Chlorine Gas to Bleach Conversion - Wastewater Treatment Plant	\$266,140
17-2-05	WWTP SCADA Monitoring	\$225,400
17-2-06	Lift Station Capacity Improvements	\$997,920
17-2-07	Fiber Optic Connection - Wastewater Treatment Plant to Admin Building	\$136,780
17-2-08	Piping Connection - Sludge Discharge to Drying Beds	\$380,660
17-2-09	Sludge Dredge & Filter Skid for Ponds	\$471,240
17-2-10	Headworks	\$641,200
17-2-13	Motor Actuated Valve for Sludge Drying Bed	\$60,000
17-2-14	Yellow Bridge Sewer Force Main Improvements	\$167,000
17-2-15	Anderson Ranch Spray Field 4	\$1,179,250
Sewer Capital Improvement Project and Capital Equipment Total		\$5,446,930

Table 7 – Drainage Capital Improvement Project and Capital Equipment Project Summary

Project No.	Project Name	Project Est.
17-2-01	Sewer/Drainage Hydro Cleaning Truck (Split 50/50 Sewer & Drainage)	\$168,000
17-2-11	Commercial Area Drainage Slide Gate Automation	\$55,440
17-2-12	Stormwater Monitoring Testing Equipment	\$43,680
17-2-16	Trash Containment Structures	\$115,000
Drainage Capital Improvement Project and Capital Equipment Total		\$382,120

Table 8 – Administration Capital Improvement Project and Capital Equipment Project Summary

Project No.	Project Name	Project Est.
17-4-01	District Administration Building Remodel/Expansion	\$400,960
Administration Capital Improvement Project and Capital Equipment Total		\$400,960

While not currently identified as drainage capital improvement projects, there are several projects which are currently being vetted by the District and may be added to the drainage capital improvement project list once additional information is obtained to confirm that new development will receive benefit from these projects. These projects include:

1. Laguna Joaquin Water Quality Enhancements
2. Inundation Studies for Calero, Chesbro, and Clementia reservoirs and Michigan Bar Levees #1 & #2
3. Expansion of drainage retention basins and culverts

Additional information on the individual facility capital improvement projects and capital equipment, specifically the type of capital improvement, justification, and individual and overall costs are summarized in the Coastland technical memorandum dated August 29, 2017, titled "Facility Capital Improvement Projects", included as Appendix D.

Administration capital costs for CIP 17-4-01 are proposed to be allocated amongst water capital, sewer capital, drainage capital, and security capital based upon the percentages identified in Section II. In summary, the estimated total cost for the administration capital improvement projects and capital equipment to each of the four capital improvement fee accounts is as follows:

- Water Capital Improvement: \$155,973
- Sewer Capital Improvement: \$119,085
- Drainage Capital Improvement: \$25,261
- Security Capital Improvement: \$100,641

SECTION VI. EXISTING AND FUTURE USER SHARED BENEFIT

State law requires that the District reasonably apportion the costs for the facilities capital improvement projects and capital equipment between existing users and new development. Of the 25 facilities capital improvement projects and capital equipment, a total of ten will benefit both existing users and new development. These are as follows:

- CIP 17-1-04: Culvert Crossing at Water Treatment Plant
- CIP 17-1-06: Chlorine Gas to Sodium Hypochlorite Conversion – Water Treatment Plant
- CIP 17-1-08: Emergency Water Supply Well
- CIP 17-2-01: Sewer/Drainage Hydro Cleaning Truck
- CIP 17-2-04: Chlorine Gas to Sodium Hypochlorite Conversion – Wastewater Treatment Plant
- CIP 17-2-08: Piping Connection – Sludge Discharge to Piping Beds
- CIP 17-2-09: Sludge Dredge and Filter Skid for Ponds
- CIP 17-2-11: Commercial Area Drainage Slide Gate Automation
- CIP 17-2-15: Anderson Ranch Spray Field 4
- CIP 17-2-16: Trash Containment Structures

In order to determine the portion of the project cost attributable to new development, an equitable methodology of allocating costs between existing and future users must be determined. For water and sewer capital improvement projects and capital equipment, the allocation is based on water usage as a proxy. For drainage capital improvement projects and capital equipment, the allocation was based on comparing the remaining undeveloped acreage to the total acreage in the District's service area.

Utilizing the adopted Water Supply Assessment for the Rancho North Project, existing water demand is estimated at 1,711 acre-feet, with usage of 750 gallons per EDU. This equates to 2,036.5 existing EDUs. As discussed in Section III, the proposed number of new EDUs is 1,718.1. Therefore, the percentage between existing users and future development for water and sewer capital improvement projects and capital equipment is determined to be 54% existing and 46% future.

Utilizing the Rancho Murieta North Infrastructure Master Plan, the total area of the District's service area is 3,500 acres, with 1,920 acres undeveloped. Therefore, the percentage between existing users and future development for drainage capital improvement projects and capital equipment is determined to be 45% existing and 55% future, except for CIP 17-2-11. The improvements identified by CIP 17-2-11 serve the commercial area only, and costs should be shared between existing users and new development. The percentage between existing users and future development for CIP 17-2-11 is determined to be 85% existing and 15% future.

Tables 9 through 11 below identify the cost allocation to new development for the water, sewer, and drainage capital improvement projects and capital equipment. The projects that are allocated amongst both new development and existing users are italicized, with the total cost reflective of the cost sharing borne by new development.

Table 9 – Water Capital Improvement Project and Capital Equipment Project New Development Cost Allocation Summary

Project No.	Project Name	Project Est.
17-1-01	Rio Oso Hydropneumatic Station Air Compressor	\$29,120
17-1-02	Booster Pump Building at Rio Oso	\$508,200
17-1-03	Rio Oso Hydropneumatic Tank	\$213,500
17-1-04	<i>Culvert Crossing at Water Treatment Plant</i>	\$73,545
17-1-05	Dam Road Grading and Resurfacing	\$1,227,600
17-1-06	<i>Chlorine Gas to Bleach Conversion - Water Treatment Plant</i>	\$162,352
17-1-07	Maintenance Shed (20' x 40') at Water Treatment Plant	\$67,480
17-1-08	<i>Emergency Water Supply Well</i>	\$479,872
Water Capital Improvement Project and Capital Equipment Total		\$2,761,699

Table 10 – Sewer Capital Improvement Project and Capital Equipment Project New Development Cost Allocation Summary

Project No.	Project Name	Project Est.
17-2-01	<i>Sewer/Drainage Hydro Cleaning Truck (Split 50/50 Sewer & Drainage)</i>	\$77,280
17-2-02	Material and Equipment Warehouse	\$147,840
17-2-03	Drying Bed and Access Road Improvements	\$605,500
17-2-04	<i>Chlorine Gas to Bleach Conversion - Wastewater Treatment Plant</i>	\$122,424
17-2-05	WWTP SCADA Monitoring	\$225,400
17-2-06	Lift Station Capacity Improvements	\$997,920
17-2-07	Fiber Optic Connection - Wastewater Treatment Plant to Admin Building	\$136,780
17-2-08	<i>Piping Connection - Sludge Discharge to Drying Beds</i>	\$175,104
17-2-09	<i>Sludge Dredge & Filter Skid for Ponds</i>	\$216,770
17-2-10	Headworks	\$641,200
17-2-13	Motor Actuated Valve for Sludge Drying Bed	\$60,000
17-2-14	Yellow Bridge Sewer Force Main Improvements	\$167,000
17-2-15	<i>Anderson Ranch Spray Field 4</i>	\$542,455
Sewer Capital Improvement Project and Capital Equipment Total		\$4,115,673

Table 11 – Drainage Capital Improvement Project and Capital Equipment Project New Development Cost Allocation Summary

Project No.	Project Name	Project Est.
17-2-01	<i>Sewer/Drainage Hydro Cleaning Truck (Split 50/50 Sewer & Drainage)</i>	\$92,400
17-2-11	<i>Commercial Area Drainage Slide Gate Automation</i>	\$6,552
17-2-12	Stormwater Monitoring Testing Equipment	\$43,680
17-2-16	<i>Trash Containment Structures</i>	\$63,250
Drainage Capital Improvement Project and Capital Equipment Total		\$205,882

The cost for CIP 17-2-11 applies only to those new development within the Commercial Area.

SECTION VII. PROPOSED FEES

The proposed Water Supply Augmentation Fee and the Community Facilities Fees are based on the total cost allocation to new development divided by the number of EDUs. The development share of project costs for the Community Facilities Fee components includes the allocation of administration capital costs identified in Section V. The final revenue need for each of the fee accounts is presented in Table 12 below.

Table 12 – Final Revenue Need Summary

Fee Account	Development Share of Project Costs	Adjusted Balance	Final Revenue Need
Water Supply Augmentation	\$12,219,150	\$2,017,961	\$10,201,189
Water Capital	\$2,917,672	-\$55,249	\$2,972,921
Sewer Capital	\$4,234,758	\$95,761	\$4,138,997
Drainage Capital	\$231,143	\$331,104	-\$99,961
Security Capital	\$100,641	-\$13,535	\$114,176

In order to determine the proposed fee for each of the five fee accounts, the final revenue need is divided by the number of EDUs (1,718.1). The proposed fee for each of the five fee accounts is as follows.

- Water Supply Augmentation Fee: \$5,938 per EDU
- Community Facilities Fees
 - Water Capital Improvement Fee: \$1,730 per EDU
 - Sewer Capital Improvement Fee: \$2,409 per EDU
 - Drainage Capital Improvement Fee: \$0 per EDU
 - Security Capital Improvement Fee: \$66 per EDU
 - Total Fee: \$4,205 per EDU

The proposed Security Capital Improvement fee is separate from the Security Impact Fee identified by Policy 2016-02, which summarizes the uses of revenue generated by security impact fees authorized per Financing and Service Agreements dated May 27, 2014 with Cosumnes River Land, LLC; Murieta Industrial Park, LLC; Murieta Lakeside Properties, LLC; and Murieta Highlands, LLC (termed “the Rancho North FSA”) and March 28, 2014 with CSGF Rancho Murieta, LLC; BBC Murieta Land, LLC; Murieta Retreats, LLC; Elk Grove Bilby Partners, LP; and PCCP CSGF RB Portfolio, LLC (termed “the 670 FSA”).

SECTION VIII. REGIONAL FEE COMPARISON

Fees for a number of local agencies (County of Sacramento, City of Folsom, City of Galt, and Amador Water Agency) were researched to provide a comparison with the proposed fees for the District. Below are the findings:

- City of Folsom (Water): \$3,105 per unit
- City of Folsom (Wastewater – City and Sacramento County Regional Sanitation District [SRCSD]): \$5,523 per unit
- City of Folsom (Drainage): \$958 per unit
- City of Folsom (Police): \$555 per unit
- City of Galt (Water, proposed): \$6,598 for 1” meter
- City of Galt (Wastewater, proposed): \$7,946 per EDU (at 250 gallons per day)
- City of Galt (Drainage, proposed): \$6,644 per acre
- Sacramento County (Water – Zone 40): \$16,104 per EDU
- Sacramento County (Wastewater – Sacramento Area Sewer District and SRCSD): \$22,657 per EDU
- Sacramento County (Drainage – Zone 11A): \$14,610 per EDU
- Amador Water Agency (Water): \$23,454 for 1” meter
- Amador Water Agency (Wastewater): \$9,380 per dwelling unit (at 200 gpd)

As identified above, the closest comparator is the City of Folsom. The total fees per unit for water, wastewater, drainage, and police within the City of Folsom equal \$10,141. The proposed fees (excluding Security Impact Fee) for the District equal \$10,143. Fees for all other agencies are notably higher.

SECTION IX. FUTURE RECOMMENDED ACTIONS

Coastland recommends that the District adjust both the Water Supply Augmentation Fee and the Capital Facilities Fee annually by the ENR Construction Cost Index, using either the 20-city index or the San Francisco specific index. In addition, Coastland recommends that the identified projects and equipment, fee calculation methodology, and fees be re-visited every five years to ensure that the fee reflects the current costs and the current needs of the District.

This report recognizes that some of the major recycled water infrastructure system that is identified in the technical memorandum titled “Water Supply Augmentation Project – Recycled Water Program” will likely be constructed by the development community. Similarly, there may be certain other water, sewer, or drainage improvements constructed by a developer. Any fee credits will be given to the developers, which will be used to lower the fees due to the District at issuance of building permits or other timeframe as identified by the District. The exact amount

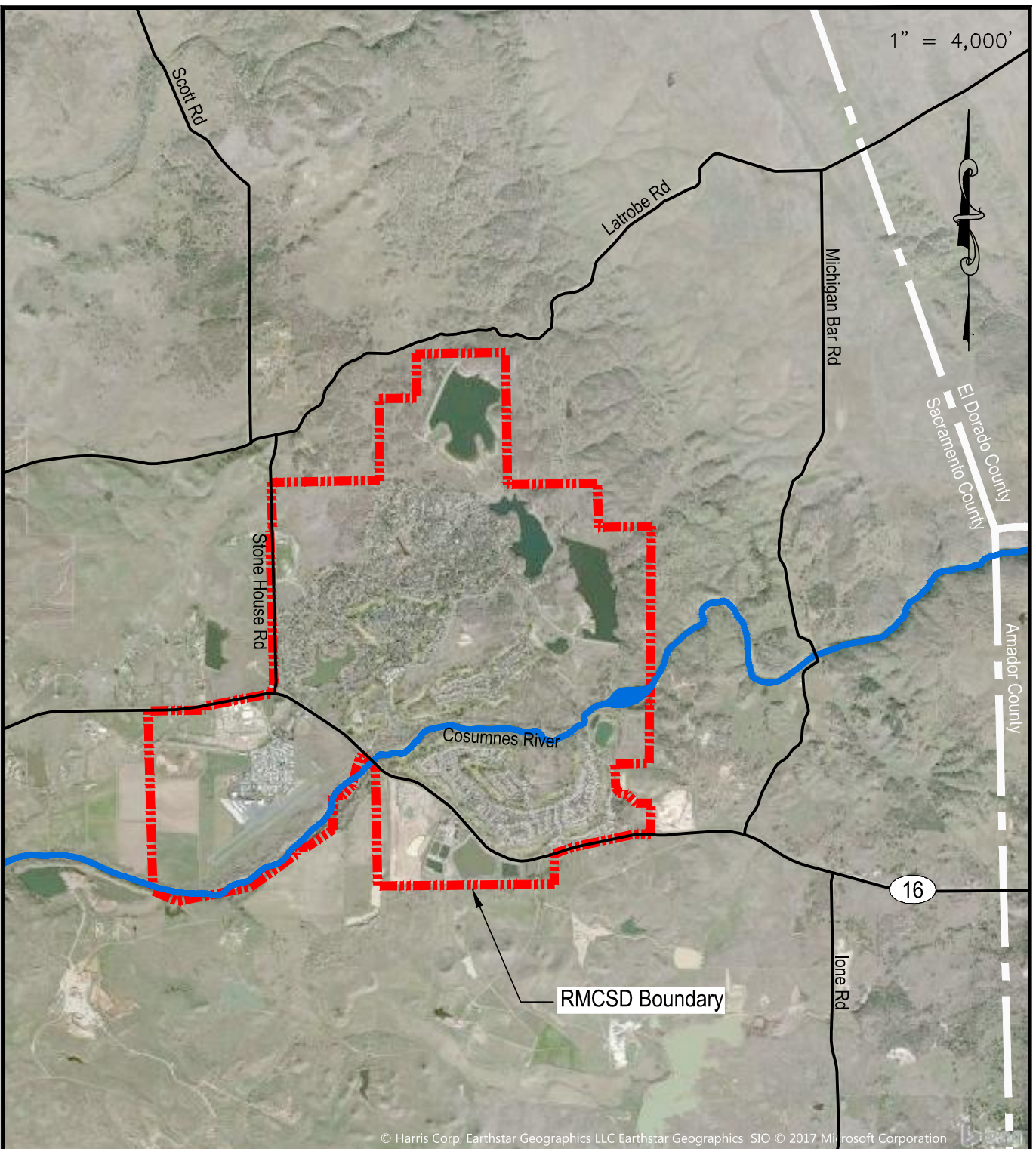
will be determined on a case-by-case basis through contract or a subsequent ordinance, reflective of costs of improvements identified in this report. Should costs exceed those in this report, then a new report with new fees will need to be adopted.

Lastly, as discussed in Section V, additional vetting is necessary to determine the merit of adding the following projects to the drainage capital improvement project list:

1. Laguna Joaquin Water Quality Enhancements
2. Inundation Studies for Calero, Chesbro, and Clementia reservoirs and Michigan Bar Levees #1 & #2
3. Expansion of drainage retention basins and culverts

ORIGINAL PLOT DATE: LOCATION MAP

1" = 4,000'



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Images: Rancho Murieta.png; Xrefs: Path: F:\BMAP-STD\Rancho Murieta CSD\PM Fig 1 Vic Map.dwg Layout Name: Fig 1 Vic Map 8.5x11 Plot Date: Jul 07, 2017 at 05:31 pm

Rancho Murieta
 Community Services District
Serving the community for over 30 years.

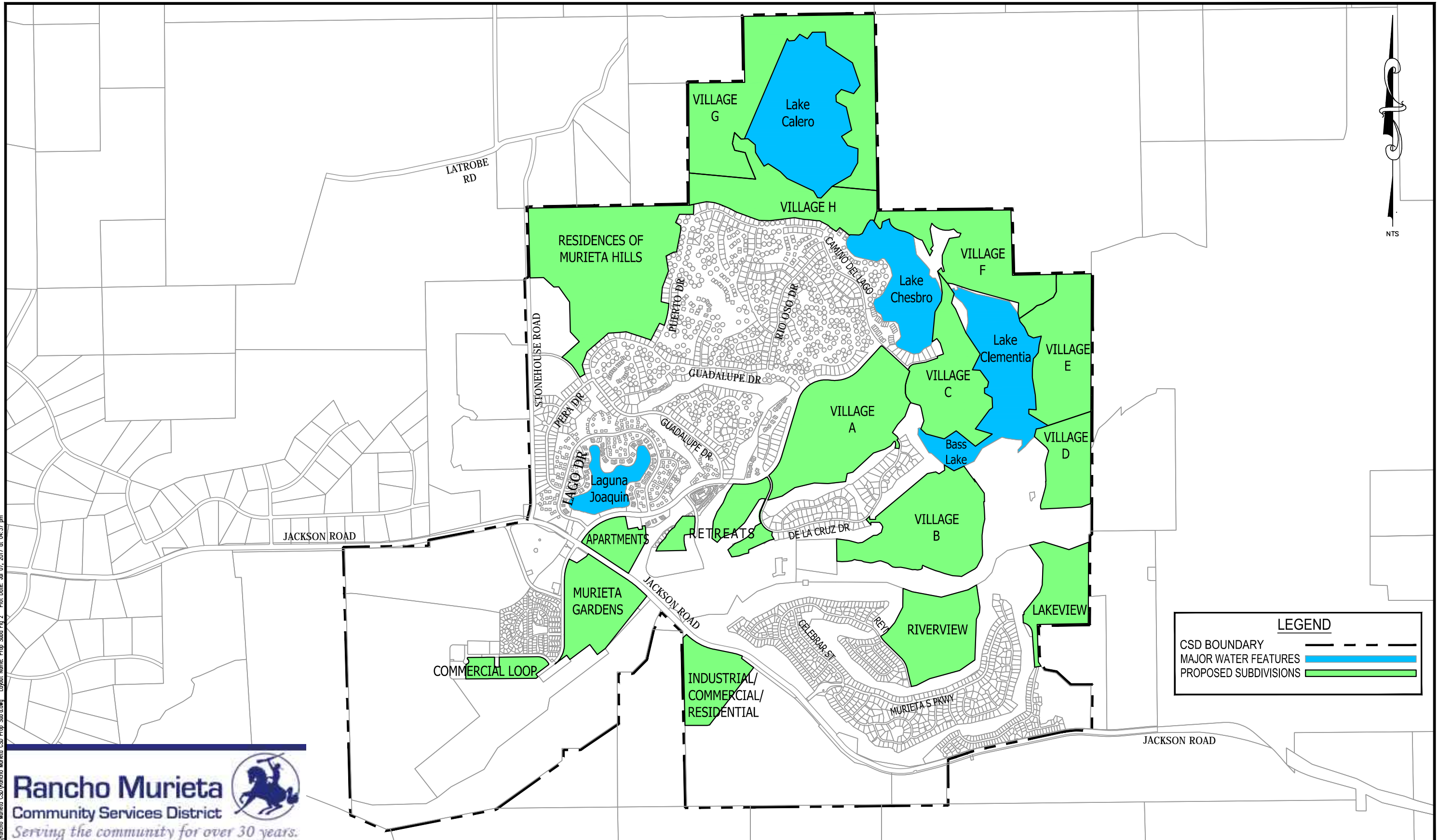



Coastland Civil Engineering, Inc.
 11865 Edgewood Road, Auburn, CA 95603
 530.888.9929 530.889.9979 Fax

RANCHO MURIETA CSD
 COMMUNITY SERVICES DISTRICT
 FIGURE 1 VICINITY MAP

ORIGINAL PLOT DATE:

Images: Rancho Murieta\Prop\Subdiv\Fig 2 - Plot Date: Jul 07, 2007 at 04:37 pm
Files: E:\MAP-STD\Rancho Murieta CSD Prop Sub\Subdiv Layout Name: Prop Sub\Fig 2 - Plot Date: Jul 07, 2007 at 04:37 pm



LEGEND

- CSD BOUNDARY
- MAJOR WATER FEATURES
- PROPOSED SUBDIVISIONS

Rancho Murieta
 Community Services District
Serving the community for over 30 years.



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RANCHO MURIETA CSD
COMMUNITY SERVICES DISTRICT
FIGURE 2 PROPOSED SUBDIVISIONS

Appendix A

**Government Code Sections 66013,
66016-66019, and 66022**

Appendix A – Government Code Sections 66013, 66016-66019, and 66022

Section 66013

(a) Notwithstanding any other provision of law, when a local agency imposes fees for water connections or sewer connections, or imposes capacity charges, those fees or charges shall not exceed the estimated reasonable cost of providing the service for which the fee or charge is imposed, unless a question regarding the amount of the fee or charge imposed in excess of the estimated reasonable cost of providing the services or materials is submitted to, and approved by, a popular vote of two-thirds of those electors voting on the issue.

(b) As used in this section:

(1) "Sewer connection" means the connection of a structure or project to a public sewer system.

(2) "Water connection" means the connection of a structure or project to a public water system, as defined in subdivision (f) of Section 116275 of the Health and Safety Code.

(3) "Capacity charge" means a charge for public facilities in existence at the time a charge is imposed or charges for new public facilities to be acquired or constructed in the future that are of proportional benefit to the person or property being charged, including supply or capacity contracts for rights or entitlements, real property interests, and entitlements and other rights of the local agency involving capital expense relating to its use of existing or new public facilities. A "capacity charge" does not include a commodity charge.

(4) "Local agency" means a local agency as defined in Section 66000.

(5) "Fee" means a fee for the physical facilities necessary to make a water connection or sewer connection, including, but not limited to, meters, meter boxes, and pipelines from the structure or project to a water distribution line or sewer main, and that does not exceed the estimated reasonable cost of labor and materials for installation of those facilities.

(6) "Public facilities" means public facilities as defined in Section 66000.

(c) A local agency receiving payment of a charge as specified in paragraph (3) of subdivision (b) shall deposit it in a separate capital facilities fund with other charges received, and account for the charges in a manner to avoid any commingling with other moneys of the local agency, except for investments, and shall expend those charges solely for the purposes for which the charges were collected. Any interest income earned from the investment of moneys in the capital facilities fund shall be deposited in that fund.

(d) For a fund established pursuant to subdivision (c), a local agency shall make available to the public, within 180 days after the last day of each fiscal year, the following information for that fiscal year:

- (1) A description of the charges deposited in the fund.
- (2) The beginning and ending balance of the fund and the interest earned from investment of moneys in the fund.
- (3) The amount of charges collected in that fiscal year.
- (4) An identification of all of the following:
 - (A) Each public improvement on which charges were expended and the amount of the expenditure for each improvement, including the percentage of the total cost of the public improvement that was funded with those charges if more than one source of funding was used.
 - (B) Each public improvement on which charges were expended that was completed during that fiscal year.
 - (C) Each public improvement that is anticipated to be undertaken in the following fiscal year.
- (5) A description of each interfund transfer or loan made from the capital facilities fund. The information provided, in the case of an interfund transfer, shall identify the public improvements on which the transferred moneys are, or will be, expended. The information, in the case of an interfund loan, shall include the date on which the loan will be repaid, and the rate of interest that the fund will receive on the loan.
- (e) The information required pursuant to subdivision (d) may be included in the local agency's annual financial report.
- (f) The provisions of subdivisions (c) and (d) shall not apply to any of the following:
 - (1) Moneys received to construct public facilities pursuant to a contract between a local agency and a person or entity, including, but not limited to, a reimbursement agreement pursuant to Section 66003.
 - (2) Charges that are used to pay existing debt service or which are subject to a contract with a trustee for bondholders that requires a different accounting of the charges, or charges that are used to reimburse the local agency or to reimburse a person or entity who advanced funds under a reimbursement agreement or contract for facilities in existence at the time the charges are collected.
 - (3) Charges collected on or before December 31, 1998.
- (g) Any judicial action or proceeding to attack, review, set aside, void, or annul the ordinance, resolution, or motion imposing a fee or capacity charge subject to this section shall be brought pursuant to Section 66022.
- (h) Fees and charges subject to this section are not subject to the provisions of Chapter 5 (commencing with Section 66000), but are subject to the provisions of Sections 66016, 66022, and 66023.
- (i) The provisions of subdivisions (c) and (d) shall only apply to capacity charges levied pursuant to this section.

Section 66016

(a) Prior to levying a new fee or service charge, or prior to approving an increase in an existing fee or service charge, a local agency shall hold at least one open and public meeting, at which oral or written presentations can be made, as part of a regularly scheduled meeting. Notice of the time and place of the meeting, including a general explanation of the matter to be considered, and a statement that the data required by this section is available, shall be mailed at least 14 days prior to the meeting to any interested party who files a written request with the local agency for mailed notice of the meeting on new or increased fees or service charges. Any written request for mailed notices shall be valid for one year from the date on which it is filed unless a renewal request is filed. Renewal requests for mailed notices shall be filed on or before April 1 of each year. The legislative body may establish a reasonable annual charge for sending notices based on the estimated cost of providing the service. At least 10 days prior to the meeting, the local agency shall make available to the public data indicating the amount of cost, or estimated cost, required to provide the service for which the fee or service charge is levied and the revenue sources anticipated to provide the service, including General Fund revenues. Unless there has been voter approval, as prescribed by Section 66013 or 66014, no local agency shall levy a new fee or service charge or increase an existing fee or service charge to an amount which exceeds the estimated amount required to provide the service for which the fee or service charge is levied. If, however, the fees or service charges create revenues in excess of actual cost, those revenues shall be used to reduce the fee or service charge creating the excess.

(b) Any action by a local agency to levy a new fee or service charge or to approve an increase in an existing fee or service charge shall be taken only by ordinance or resolution. The legislative body of a local agency shall not delegate the authority to adopt a new fee or service charge, or to increase a fee or service charge.

(c) Any costs incurred by a local agency in conducting the meeting or meetings required pursuant to subdivision (a) may be recovered from fees charged for the services which were the subject of the meeting.

(d) This section shall apply only to fees and charges as described in Sections 51287, 56383, 65104, 65456, 65584.1, 65863.7, 65909.5, 66013, 66014, and 66451.2 of this code, Sections 17951, 19132.3, and 19852 of the Health and Safety Code, Section 41901 of the Public Resources Code, and Section 21671.5 of the Public Utilities Code.

(e) Any judicial action or proceeding to attack, review, set aside, void, or annul the ordinance, resolution, or motion levying a fee or service charge subject to this section shall be brought pursuant to Section 66022.

Section 66017

(a) Any action adopting a fee or charge, or increasing a fee or charge adopted, upon a development project, as defined in Section 66000, which applies to the filing, accepting, reviewing, approving, or issuing of an application, permit, or entitlement to use shall be enacted in accordance with the notice and public hearing procedures

specified in Section 54986 or 66016 and shall be effective no sooner than 60 days following the final action on the adoption of the fee or charge or increase in the fee or charge.

(b) Without following the procedure otherwise required for the adoption of a fee or charge, or increasing a fee or charge, the legislative body of a local agency may adopt an urgency measure as an interim authorization for a fee or charge, or increase in a fee or charge, to protect the public health, welfare and safety. The interim authorization shall require four-fifths vote of the legislative body for adoption. The interim authorization shall have no force or effect 30 days after its adoption. The interim authority shall contain findings describing the current and immediate threat to the public health, welfare, and safety. After notice and public hearing pursuant to Section 54986 or 66016, the legislative body may extend the interim authority for an additional 30 days. Not more than two extensions may be granted. Any extension shall also require a four-fifths vote of the legislative body.

Section 66018

(a) Prior to adopting an ordinance, resolution, or other legislative enactment adopting a new fee or approving an increase in an existing fee to which this section applies, a local agency shall hold a public hearing, at which oral or written presentations can be made, as part of a regularly scheduled meeting. Notice of the time and place of the meeting, including a general explanation of the matter to be considered, shall be published in accordance with Section 6062a.

(b) Any costs incurred by a local agency in conducting the hearing required pursuant to subdivision (a) may be recovered as part of the fees which were the subject of the hearing.

(c) This section applies only to the adopting or increasing of fees to which a specific statutory notice requirement, other than Section 54954.2, does not apply.

(d) As used in this section, "fees" do not include rates or charges for water, sewer, or electrical service.

Section 66018.5.

"Local agency," as used in this chapter, has the same meaning as provided in Section 66000.

Section 66019

(a) As used in this section:

(1) "Fee" means a fee as defined in Section 66000, but does not include any of the following:

(A) A fee authorized pursuant to Section 66013.

(B) A fee authorized pursuant to Section 17620 of the Education Code, or Sections 65995.5 and 65995.7.

(C) Rates or charges for water, sewer, or electrical services.

(D) Fees subject to Section 66016.

(2) "Party" means a person, entity, or organization representing a group of people or entities.

(3) "Public facility" means a public facility as defined in Section 66000.

(b) For any fee, notice of the time and place of the meeting, including a general explanation of the matter to be considered, and a statement that the data required by this subdivision is available shall be mailed at least 14 days prior to the first meeting to an interested party who files a written request with the city, county, or city and county for mailed notice of a meeting on a new or increased fee to be enacted by the city, county, or city and county. Any written request for mailed notices shall be valid for one year from the date on which it is filed unless a renewal request is filed. Renewal requests for mailed notices shall be filed on or before April 1 of each year. The legislative body of the city, county, or city and county may establish a reasonable annual charge for sending notices based on the estimated cost of providing the service. The legislative body may send the notice electronically. At least 10 days prior to the meeting, the city, county, or city and county shall make available to the public the data indicating the amount of cost, or the estimated cost, required to provide the public facilities and the revenue sources anticipated to fund those public facilities, including general fund revenues. The new or increased fee shall be effective no earlier than 60 days following the final action on the adoption or increase of the fee, unless the city, county, or city and county follows the procedures set forth in subdivision (b) of Section 66017.

(c) If a city, county, or city and county receives a request for mailed notice pursuant to this section, or a local agency receives a request for mailed notice pursuant to Section 66016, the city, county, or city and county or other local agency may provide the notice via electronic mail for those who specifically request electronic mail notification. A city, county, city or county, or other local agency that provides electronic mail notification pursuant to this subdivision shall send the electronic mail notification to the electronic mail address indicated in the request. The electronic mail notification authorized by this subdivision shall operate as an alternative to the mailed notice required by this section.

Section 66022.

(a) Any judicial action or proceeding to attack, review, set aside, void, or annul an ordinance, resolution, or motion adopting a new fee or service charge, or modifying or amending an existing fee or service charge, adopted by a local agency, as defined in Section 66000, shall be commenced within 120 days of the effective date of the ordinance, resolution, or motion.

If an ordinance, resolution, or motion provides for an automatic adjustment in a fee or service charge, and the automatic adjustment results in an increase in the amount

of a fee or service charge, any action or proceeding to attack, review, set aside, void, or annul the increase shall be commenced within 120 days of the effective date of the increase.

(b) Any action by a local agency or interested person under this section shall be brought pursuant to Chapter 9 (commencing with Section 860) of Title 10 of Part 2 of the Code of Civil Procedure.

(c) This section shall apply only to fees, capacity charges, and service charges described in and subject to Sections 66013, 66014, and 66016.

Appendix B

Development Projects and EDU Summary Calculation Technical Memorandum



COASTLAND

CIVIL ENGINEERING - CONSTRUCTION MANAGEMENT - BUILDING DEPARTMENT SERVICES

Final Technical Memorandum

Date: September 8, 2017

To: Rancho Murieta Community Services District

From: John Griffin
Marc Fernandez

Reviewed By: Dane Schilling

Subject: Development Projects and EDU Calculation Summary

In support of the Rancho Murieta Community Services District (District) Water Supply Augmentation Fee Update and Capital Improvement Fee Update, Coastland has prepared this Development Projects and Equivalent Dwelling Unit (EDU) Calculation Summary Technical Memorandum (Tech Memo) to summarize the various development projects within the District's service area that are in various stages of the entitlement process and will contribute funding toward the water supply augmentation and capital improvements projects identified in the Water Supply Augmentation Capital Improvements Program Tech Memo and the Facilities Capital Improvements Program Tech Memo. This Tech Memo also provides a summary of the overall methodology for determining water usage of the various land uses currently identified in the development projects and the calculations supporting the determination of EDUs for these various development projects.

BACKGROUND

The District was formed in 1982 by State Government Code 61000 to provide essential services in Rancho Murieta. The District provides essential services to an area of 3,500 acres located in eastern Sacramento County. Land use decisions within the District are governed by Sacramento County. The current population within the District is approximately 5,600 people.

DEVELOPMENT PROJECT SUMMARY

While a majority of the service area within the District is developed, there are a number of development projects that are either currently entitled or in the entitlement process with Sacramento County. Table 1 summarizes the name of each development project, identifies the current status of the project, identifies the number of residential dwelling units by land use

Santa Rosa
1400 Neotomas Avenue
Santa Rosa, CA 95403

Auburn
11865 Edgewood Road
Auburn, CA 95603
www.coastlandcivil.com

category, EDU counts for each project, and overall EDU total. Additional information on the various residential land use categories is discussed later in this Tech Memo.

A map of the service area and the location of the various development projects is presented as Figure 1. Below is a brief summary of each development project. More information on each project can be found on the Sacramento County website - <http://www.per.saccounty.net/PlansandProjectsIn-Progress/Pages/default.aspx>.

Riverview

The Riverview subdivision will be located in the southerly part of Rancho Murieta, west of Lakes 10 and 11. Based on the approved tentative map, the Riverview subdivision encompasses approximately 57 acres proposed for development of 140 single family residential lots.

Lakeview

The Lakeview subdivision will be located in the southerly part of Rancho Murieta, east of Lakes 10 and 11. Based on the approved tentative map, the Riverview subdivision encompasses approximately 40 acres proposed for development of 99 single family residential lots.

Residences of Murieta Hills – East and West

The Residences at Murieta Hills will be located in the northwest corner of the District boundaries. This proposes the development of 198 residential homes on approximately 146 acres.

Retreats West, North, and East

This project proposes the development of 84 residential units on approximately 18 acres south of Murieta Parkway and west of De La Cruz Parkway. For the purposes of calculating EDUs for this project, the number of residential units has been reduced by 18 to reflect fees already paid to the District.

Murieta Gardens

This project is a mixed use commercial and residential development project located southeast of the intersection of Highway 16 and Murieta Drive.

The concept of the commercial component currently consists of a hotel, commercial pads, restaurants, and a self-storage facility. The hotel is currently under construction and is expected to be completed in Spring 2017. Construction of the other development phases and components are scheduled to be completed by Fall 2018.

Based on development agreements, the commercial component of the project is anticipated to equate to 71 equivalent dwelling units. The residential component consists of 78 residential units on approximately 16 acres.

Industrial/Commercial/Residential 39

This project consists of a 40 acre undeveloped commercial site located on the south side of Highway 16 just west of the District's Wastewater Treatment Plant (WWTP). The proposed specific uses for this project are undetermined by the developer at this time. According to the



Preliminary Sewer Study for Rancho Murieta North, the sewer demand is anticipated to be equivalent to approximately 160 residential units.

Rancho North

The proposed Rancho Murieta North project is on approximately 732 residential, recreational, and open space acres of land located easterly part of Rancho Murieta. The project consists of a total of eight villages and is currently in the entitlement process with Sacramento County. Various iterations of the project have been submitted to the County during the public review process. A brief description of the current plan for each of the eight villages is below.

- Village A will encompass a total of 215 lots of various sizes (ranging from estate lots between 12,000 and 24,000 square feet to cluster lots) on approximately 95 acres.
- Village B will encompass a total of 136 estate lots between 12,000 and 24,000 square feet on approximately 74 acres.
- Village C will encompass a total of 128 of various sizes (ranging from estate lots of less than 12,000 square feet to cluster lots) on approximately 63 acres.
- Village D will encompass a total of 28 estate lots greater than 24,000 square feet on approximately 38 acres.
- Village E will encompass a total of 32 lots of various sizes (ranging from estate lots greater than 24,000 square feet to estate lots between 12,000 and 24,000 square feet) on approximately 63 acres.
- Village F will encompass a total of 90 lots, primarily estate lots of less than 12,000 square feet on approximately 77 acres.
- Village G will encompass a total of 50 lots, estate lots between 12,000 and 24,000 square feet on approximately 112 acres.
- Village H will encompass a total of 116 lots of various sizes (ranging from estate lots of less than 12,000 square feet to cluster lots) on approximately 70 acres.

Parks

Although parks have been constructed and water service provided, prior policies adopted by the District's Board allowed these fees to be deferred.

Others

Projects that are currently undefined or with limited information, such as Lookout Hill and FAA Commercial, that are anticipated to develop at some point in the future.



Apartment 17

The proposed apartments will be located northeast of the intersection of Highway 16 and Murieta Drive encompassing approximately 18 acres proposed for the development of 170 residential units.

EDU CALCULATION SUMMARY

The District's current fee methodology utilizes a number of residential and non-residential land use designations in determination of the EDUs applicable to the calculation of water supply augmentation and capital improvement fees. Based on the development project descriptions above, a number of new designations have been added.

The applicable residential and non-residential land use designations along with the new EDU value are summarized in Table 2. Several residential land use designations remain unchanged. A discussion of the calculations for each land use type is provided below. Consistent with prior District fee studies and ordinances, for the purposes of calculating water usage per EDU, the assumption was unchanged (750 gallons per day equals 1 EDU).

Residential Land Use Designations

Three new residential land use categories were added, triggered by the current tentative maps for the Rancho North Project:

- Estate lots greater than 24,000 square feet
- Cluster 'B' lots
- Cluster 'A' lots

In order to determine the potable water demand for these three residential land use categories, assumptions from the Water Supply Assessment Report for the Rancho North Project were followed. The main assumptions are as follows:

- Cluster 'A' lots are similar to Sacramento County land use category RD-15.
- Cluster 'B' lots are similar to Sacramento County land use category RD-7.
- Three persons per household, each using 60.7 gallons indoor daily.
- Irrigated, landscaped area for estate lots greater than 24,000 square feet, Cluster 'A' lot, and Cluster 'B' lots is 33,000 square feet, 1,500 square feet and 2,600 square feet, respectively.
- Annual water demand for irrigated, landscaped area is 31.2 gallons per square foot, with 60% of annual demands met by potable water and 40% of annual demands met by recycled water.

The water demands for all other residential land use categories identified below were unchanged from prior studies.

- Estate lots between 12,000 and 24,000 square feet (previously estate lots equal to or greater than 12,000 square feet)
- Estate lots less than 12,000 square feet
- Cottage and circle lots



- Townhouse, duplex, and lodge lots
- Murieta Village lots

Commercial, Industrial, and Institutional Land Use Designations

The methodology to determine EDU for commercial, industrial, and institutional projects was revised. Prior methodology was based on type of project and equated to the overall developed square footage of the project. The new methodology is based on equating the project meter size to a standard one inch meter, utilizing the instantaneous demand and American Water Works Association (AWWA) standards. Below is a breakdown by meter size:

- 1" meter = 1 EDU
- 1.5" meter = 2 EDUs
- 2" meter = 3.2 EDUs
- 3" meter = 6.4 EDUs
- 4" meter = 10 EDUs
- 6" meter = 20 EDUs
- 8" meter = 32 EDUs

The methodology acknowledges that instantaneous demands from commercial, industrial, and institutional projects have a larger impact on the water system in comparison to a single-family residential connection. AWWA standards were used as these equate larger meters to a standard one-inch meter used for a single-family residential connection.

Table 1 – Development Projects EDU Calculations

Table 2 – Land Use Designation EDU Calculations

Figure 1 – Development Project Map



Table 1
Development Projects EDU Calculations
Development Projects and EDU Summary Technical Memorandum

Name of Development	Status of Application	Number of Dwelling Units by Residential Land Use Category								Non-Residential EDUs	Total EDUs for Project
		Estate >24,000 SF	Estate between 12,000 SF and 24,000 SF	Estate <12,000 SF	Cluster 'B' lots	Cluster 'A' lots	Cottage and circle lots	Townhouse, duplex, and lodge lot	Murieta Village lot		
Riverview	Entitled	0	8	132	0	0	0	0	0	0	126.8
Lakeview	Entitled	0	0	99	0	0	0	0	0	0	89.1
Residences – East	Entitled	4	0	95	0	0	0	0	0	0	95.5
Residences – West	Entitled	0	0	99	0	0	0	0	0	0	89.1
Retreats West, North, and East ^a	Entitled	0	0	0	0	0	66	0	0	0	46.2
Murieta Gardens (commercial) ^b	Entitled	0	0	0	0	0	0	0	0	71	71.0
Murieta Gardens (residential)	Entitled	0	0	78	0	0	0	0	0	0	70.2
Industrial/Commercial/Residential 39 ^c	Pending	0	0	0	0	0	0	0	0	160	160.0
Village A (River Canyon)	Pending	0	20	51	28	116	0	0	0	0	119.1
Village B (Highlands)	Pending	0	136	0	0	0	0	0	0	0	136.0
Village C (Terrace)	Pending	0	0	24	32	72	0	0	0	0	61.2
Village D (Granlee)	Pending	28	0	0	0	0	0	0	0	0	70.0
Village E (The Village at Lake Jean)	Pending	17	15	0	0	0	0	0	0	0	57.5
Village F (Chesbro Square)	Pending	0	0	90	0	0	0	0	0	0	81.0
Village G (Calero East)	Pending	0	50	0	0	0	0	0	0	0	50.0
Village G (Calero West)	Pending										
Village G (Calero North)	Pending										
Village H (Calero South)	Pending	0	0	84	16	16	0	0	0	0	88.4
Parks ^d	Constructed/Pending	0	0	0	0	0	0	0	0	246	246.0
Others ^e	Future	0	0	0	0	0	0	0	0	10	10.0
Apartment 17 ^f	Unknown	0	0	0	0	0	0	0	170	0	51.0
TOTAL											1,718.1

Notes

EDU = Equivalent Dwelling Unit

a = 84 total EDUs; however 18 EDUs of fees already paid.

b = EDU count based on allocation in Financing and Services Agreement.

c = Industrial/Commercial/Residential 39: EDU count based on Recycled Water PDR.

d = Parks are on-line and fees to be paid at a later date per agreement with District.

e = For projects with minimal information, such as Lookout Hill and FAA Commercial.

f = Dwelling unit count based on Recycled Water PDR.

Table 2
Land Use Designation EDU Calculations
Development Projects and EDU Summary Technical Memorandum

Land Use Designation	EDUs - Current	GPD - Current	EDUs - Proposed	GPD - Calculated	Notes
RESIDENTIAL					
Estate lot greater than 24,000 SF	-	-	2.5	1,875	New service type. Consumption based on data from WSA.
Cluster 'B' lot	-	-	0.45	325	New service type. Consumption based on data from WSA.
Cluster 'A' lot	-	-	0.35	265	New service type. Consumption based on data from WSA.
Estate lot between 12,000 SF & 24,000 SF	1.0 EDU/lot	750	1	750	Existing, unchanged
Estate lot less than 12,000 SF	0.9 EDU/lot	675	0.9	675	Existing, unchanged
Cottage and circle lots	0.7 EDU/lot	525	0.7	525	Existing, unchanged
Townhouse and duplex	0.5 EDU/lot	375	0.5	375	Existing, unchanged
Villas and Murieta Village lot	0.3 EDU/lot	225	0.3	225	Existing, unchanged
COMMERCIAL, INDUSTRIAL, AND INSTITUTIONAL					
Business & Professional Office	0.1 EDU/1,000 SF	1,500	Methodology changed to meter size. See CII EDU Breakdown in notes below.		
Airport and Light Industrial	0.1 EDU/1,000 SF	1,500			
Retail & Commercial	0.2 EDU/1,000 SF	3,000			
Clubhouse and Community Buildings	0.5 EDU/1,000 SF	7,500			
Hotel/Motel	0.5 EDU/1,000 SF	7,500			
Restaurants	2.0 EDU/1,000 SF	6,000			
Parks (not irrigated with reclaimed water)	3.5 EDUs/acre	5,250	4 EDUs/acre	6,000	Based on 33,000 SF irrigated per acre

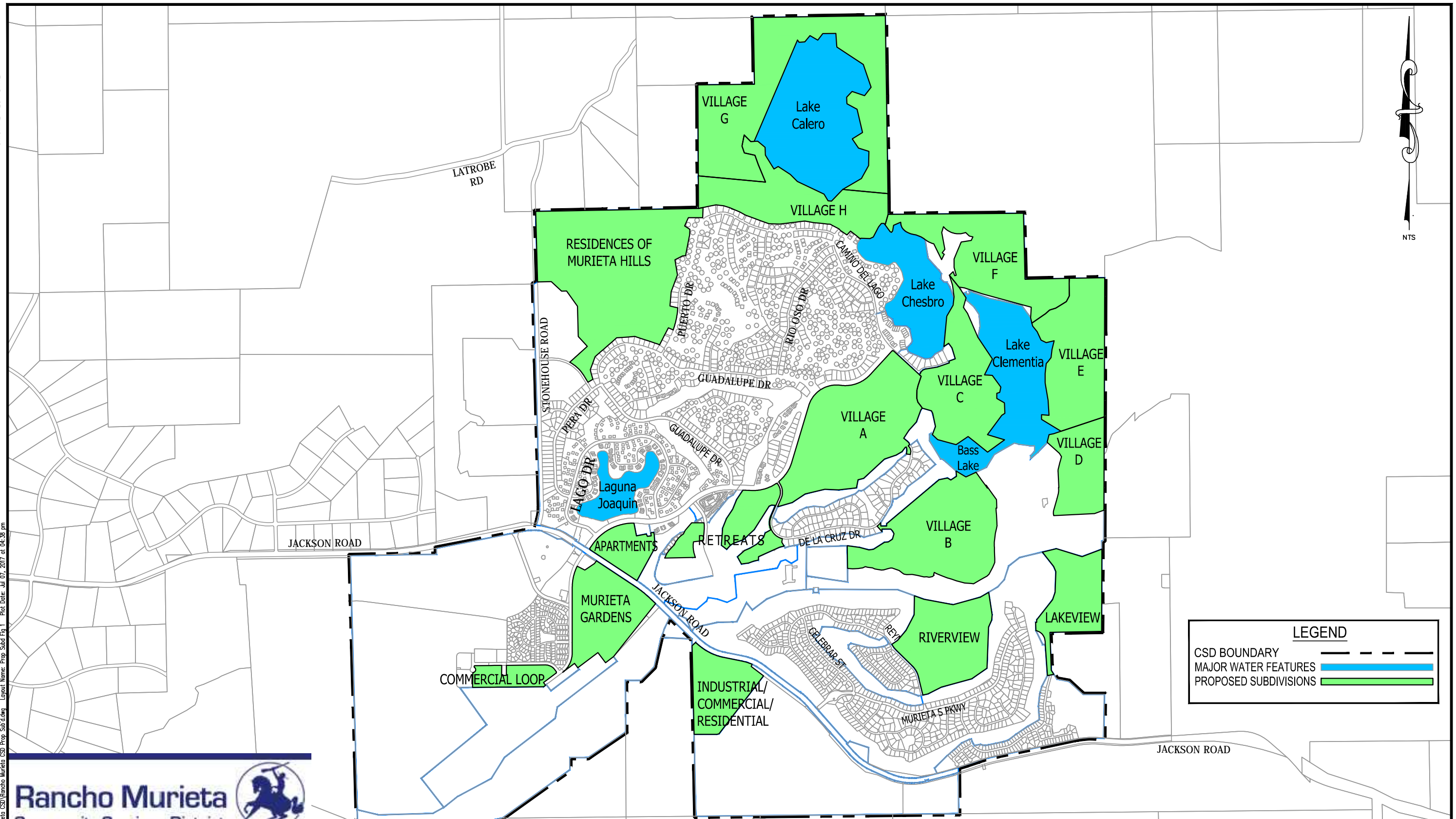
Notes

1 EDU = 750 gpd, consistent with current District methodology.

Proposed EDUs are rounded to nearest tenth.

ORIGINAL PLOT DATE:

Images: Rancho Murieta\Prop\Subd\Fig 1 - Plot Date: Jul 07, 2017 at 04:38 pm
Files: E:\MAP-STD\Rancho Murieta CSD Prop Sub\Subd\Layout Name: Prop Subd\Fig 1 - Plot Date: Jul 07, 2017 at 04:38 pm



LEGEND

- CSD BOUNDARY
- MAJOR WATER FEATURES
- PROPOSED SUBDIVISIONS

Rancho Murieta
Community Services District
Serving the community for over 30 years.



Coastland Civil Engineering, Inc.
11865 Edgewood Road, Auburn, CA 95603
530.888.9929 530.889.9979 Fax

FIGURE 1
RANCHO MURIETA CSD
COMMUNITY SERVICES DISTRICT
PROPOSED SUBDIVISIONS

Appendix C

Water Supply Augmentation Project – Recycled Water Program Technical Memorandum



Technical Memorandum

Date: June 27, 2017

To: Rancho Murieta Community Services District

From: John Griffin
Marc Fernandez

Reviewed By: Dane Schilling

Subject: Water Supply Augmentation Project – Recycled Water Program

In support of the Rancho Murieta Community Services District (District) Water Supply Augmentation Fee Update, Coastland has prepared this technical memorandum to summarize the various recycled water projects that are necessary for the Phase 1 - Initial Buildout and Phase 2 – Complete Buildout of the District’s Recycled Water Program. As a result of the January 2016 Water Supply Assessment report, the District is recommending that the Recycled Water Program be identified / defined as the Water Supply Augmentation project moving forward. The Water Supply Assessment report identified that with the reduction in potable water demands afforded by the implementation of the Recycled Water Program the augmentation well, which is currently defined as the Water Supply Augmentation project, is no longer necessary to augment water supply during periods of extreme drought.

Below is a brief summary of each recycled water project. More detail is provided in the report titled “Recycled Water Program, Preliminary Design Report” by Kennedy/Jenks Consultants, January 2017, and the attached CIP Data Sheets. It should be noted, that estimated costs contained in the CIP Sheets are representative of current construction costs and do not reflect adjustments for construction in future years.

Phase 1 - Initial Buildout:

Recycled Water SCADA Control System (CIP 17-5-01)

Located at the wastewater treatment plant, SCADA (Supervisory Control and Data Acquisition) is a combination of hardware and software that monitors systems operations, collects data, and programs controls to the District’s recycled water distribution network.

Equalization Basin Potable Water Air Gap (CIP 17-5-02)

This improvement requires connection to the existing 8-inch (in) potable water pipeline located immediately north of the equalization basin at the wastewater treatment plant, installing an 8-in extension to the equalization basin, and installing an 8-in air gap connection to deliver potable water to the equalization basin for periods of peak demand.

Recycled Water Pumping Station (CIP 17-5-03)

The improvement is to provide adequate pumping capabilities to the North Golf Course Transmission Main through the rehabilitation of the existing Recycled Water Pumping Station.

District Headquarters Conversion (CIP 17-5-04)

This improvement will disconnect two existing potable water irrigation services associated with the District's Administration Building and connect to the Recycled Water Pumping Station for irrigation supply.

Northwest Recycled Water Transmission Main (CIP 17-5-05)

The Northwest Recycled Water Transmission Main will convey recycled water from the Yellow Bridge to Stonehouse and Escuela Parks. The transmission main consists of four components: Highway 16 undercrossing and connection to existing 12" recycled water line, extension of the 12" recycled water line on Legacy Lane, possible renovation or replacement of an existing abandoned 12" force main, and interconnection of piping between the existing booster pump station and active force main.

Lookout Hill Booster Pump Station (CIP 17-5-06)

This improvement will construct a booster pump station will be located downstream of the Lookout Hill storage tank, and will be used to support delivery of recycled water to western portion of the District, in tandem with the Lookout Hill Water Storage Tank project.

Escuela Park Conversion (CIP 17-5-07)

This improvement will disconnect the existing potable water irrigation service associated with Escuela Park and connect to the Northwest Recycled Water transmission main for irrigation supply.

Stonehouse Park Conversion (CIP 17-5-08)

This improvement will disconnect the existing potable water irrigation service associated with the Rancho Murieta North community and connect to the Northwest Recycled Water transmission main for irrigation supply.

Lookout Hill Water Storage Tank (CIP 17-5-09)

The existing tank located near the top of Lookout Hill will be demolished and a new 200,000 gallon bolted steel tank made of bolted panels with powder coated finish will be erected in its place or next to the existing tank.



North Main Gate Conversion (CIP 17-5-10)

This improvement will disconnect the existing potable water irrigation service associated with the Rancho Murieta North community entrance and connect to the Northwest Recycled Water transmission main for irrigation supply.

Commercial Loop Conversion (CIP 17-5-11)

This improvement will disconnect the existing potable water irrigation service associated with the Murieta Plaza Commercial area and connect to the Lone Pine drive Recycled Water transmission main for irrigation supply and connect on Cantova Drive to supply the southern commercial (Operating Engineers to FAA) areas.

Phase 2 - Complete Buildout:

SCADA Upgrades (CIP 17-5-12)

This improvement will modify and upgrade the existing SCADA system to allow for level monitoring and control of valves at Bass Lake.

Disinfection Facility Upgrade (CIP 17-5-13)

This improvement will remove a chlorine contact pipe and construct a chlorine contact chamber to increase disinfection facilities capacity from 2.3 to 3.0 MGD.

North Golf Course Conveyance System (CIP 17-5-14)

This improvement consists of rehabilitation of the existing 12" and 8" recycled water conveyance pipelines that serve the north golf course. Approximately 5,700 linear feet of 8" pipe is need of replacement or repair. A condition assessment is required to determine additional rehabilitation needs for the 12" pipeline.

Bass Lake Tank (CIP 17-5-15)

This improvement will construct a 500,000 gallon storage tank at Bass Lake to supplement recycled water production and storage capacities.

Bass Lake Booster Pump Station (CIP 17-5-16)

This improvement will construct a booster pump station will be located downstream of the Bass Lake storage tank, and will be used to support delivery of recycled water.

Seasonal Storage Reservoir Expansion (CIP 17-5-17)

This improvement consists of modification to the existing reservoir to provide additional storage for secondary effluent.

Tertiary Pump Station Pump Replacement (CIP 17-5-18)

This improvement will replace the third tertiary pump station feed pump to the dissolved air flotation units. This improvement is required for wastewater treatment plant production capacity.



TABLE 1 - WATER SUPPLY AUGMENTATION PROJECT SUMMARY

Project Number	Project Name	Project Estimate
Recycled Water Projects		
17-5-01	Recycled Water SCADA Control System	\$331,250
17-5-02	Equalization Basin Potable Water Air Gap	\$100,700
17-5-03	Recycled Water Pumping Station	\$1,384,625
17-5-04	District Headquarters Conversion	\$26,500
17-5-05	Northwest Recycled Water Transmission Main	\$1,909,325
17-5-06	Lookout Hill Booster Pump Station	\$810,900
17-5-07	Escuela Park Conversion	\$21,200
17-5-08	Stonehouse Park Conversion	\$47,700
17-5-09	Lookout Hill Water Storage Tank	\$722,125
17-5-10	North Main Gate Conversion	\$23,850
17-5-11	Commercial Loop Conversion	\$33,125
17-5-12	SCADA Upgrades	\$108,650
17-5-13	Disinfection Facility Upgrade	\$881,125
17-5-14	North Golf Course Conveyance System	\$2,146,500
17-5-15	Bass Lake Tank	\$1,611,200
17-5-16	Bass Lake Booster Pump Station	\$828,125
17-5-17	Seasonal Storage Reservoir Expansion	\$1,099,750
17-5-18	Tertiary Pump Station Pump Replacement	\$132,500
Recycled Water Project Total		\$12,219,150

Attachment A – Project Data Forms



**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

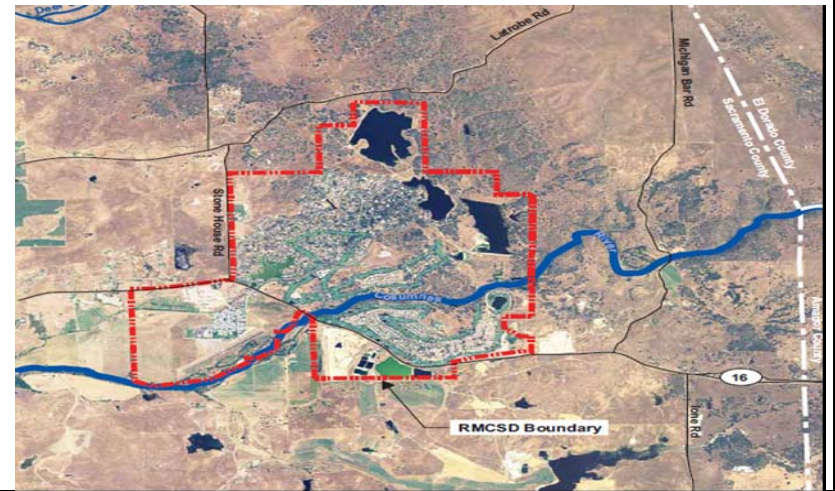
Project Number:	17-5-01	Project Name:	Recycled Water SCADA Control System
Location:	Wastewater Treatment Plant	Project Type:	Recycled Water

Description: Hardware and Software Purchase and Integration

Wastewater Treatment Plant

Justification: Administrative

Notes:



	<i>Item</i>	<i>Previous Expenditures</i>	<i>Cost Estimate</i>	<i>Total</i>
PROJECT COST	Project Administration		\$12,500	\$12,500
	Planning/Environmental		\$12,500	\$12,500
	Engineering		\$25,000	\$25,000
	Construction		\$250,000	\$250,000
	Construction Management/Inspection		\$31,250	\$31,250
	Total	\$0	\$331,250	\$331,250

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

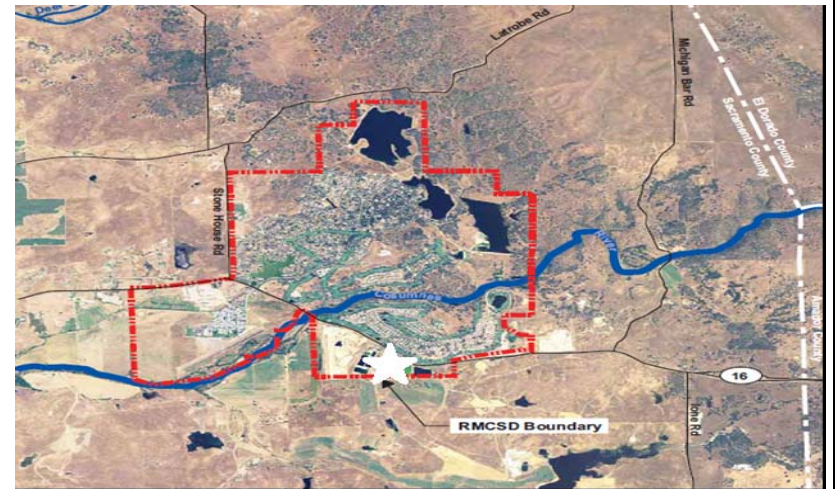
Project Number:	17-5-02	Project Name:	Equalization Basin Potable Water Air Gap
Location:	Wastewater Treatment Plant	Project Type:	Recycled Water

Description: Various Piping Connections to Equalization Basin

Wastewater Treatment Plant

Justification: Facility Improvement

Notes:



	Item	Previous Expenditures	Cost Estimate	Total
PROJECT COST	Project Administration		\$3,800	\$3,800
	Planning/Environmental		\$3,800	\$3,800
	Engineering		\$7,600	\$7,600
	Construction		\$76,000	\$76,000
	Construction Management/Inspection		\$9,500	\$9,500
	Total	\$0	\$100,700	\$100,700

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

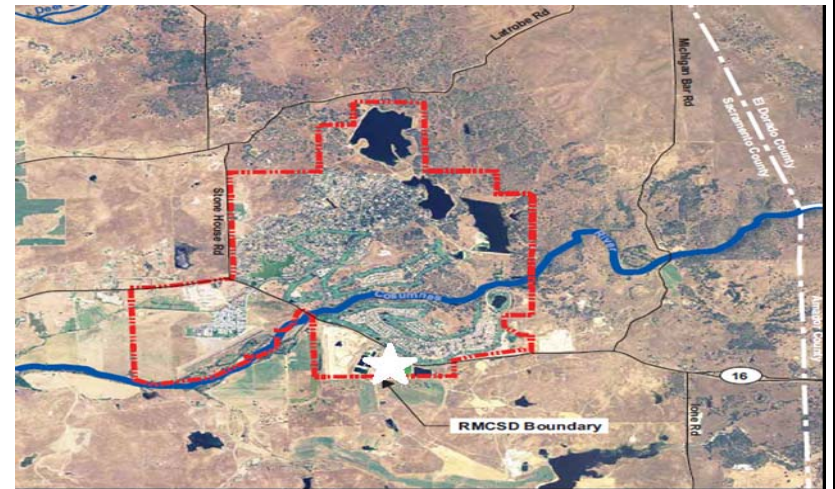
Project Number:	17-5-03	Project Name:	Recycled Water Pumping Station
Location:	Wastewater Treatment Plant	Project Type:	Recycled Water

Description: Rehabilitation of Existing Recycled Water Pumping Station

Wastewater Treatment Plant

Justification: Facility Improvement

Notes:



	<i>Item</i>	<i>Previous Expenditures</i>	<i>Cost Estimate</i>	<i>Total</i>
PROJECT COST	Project Administration		\$52,250	\$52,250
	Planning/Environmental		\$52,250	\$52,250
	Engineering		\$104,500	\$104,500
	Construction		\$1,045,000	\$1,045,000
	Construction Management/Inspection		\$130,625	\$130,625
	Total	\$0	\$1,384,625	\$1,384,625

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

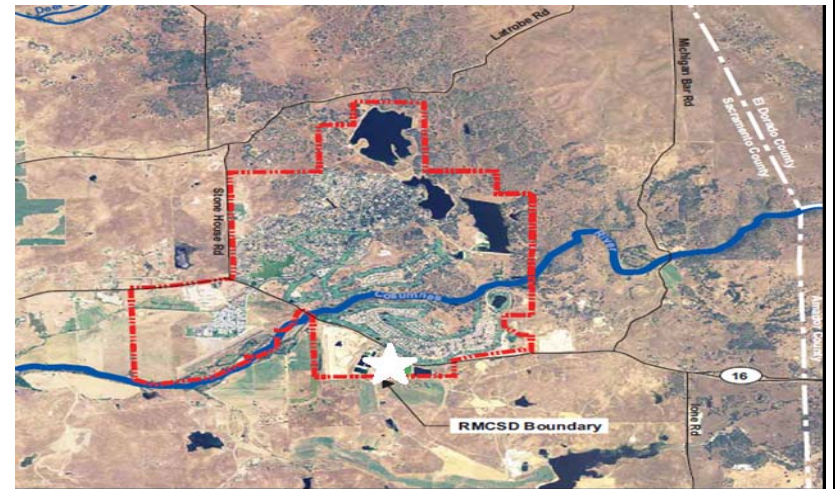
Project Number:	17-5-04	Project Name:	District Headquarters Conversion
Location:	District Headquarters	Project Type:	Recycled Water

Description: Conversion of District Headquarters Irrigation to Recycled Water

Rancho Murieta Community Services District

Justification: Facility Improvement

Notes:



	<i>Item</i>	<i>Previous Expenditures</i>	<i>Cost Estimate</i>	<i>Total</i>
PROJECT COST	Project Administration		\$1,000	\$1,000
	Planning/Environmental		\$1,000	\$1,000
	Engineering		\$2,000	\$2,000
	Construction		\$20,000	\$20,000
	Construction Management/Inspection		\$2,500	\$2,500
	Total	\$0	\$26,500	\$26,500

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

Project Number:	17-5-05	Project Name:	Northwest Recycled Water Transmission Main
Location:	District Headquarters to Escuela	Project Type:	Recycled Water

Description: Construction of Recycled Water Transmission Main

Rancho Murieta Community Services District

Justification: Facility Improvement

Notes:

	Item	Previous Expenditures	Cost Estimate	Total
PROJECT COST	Project Administration		\$72,050	\$72,050
	Planning/Environmental		\$72,050	\$72,050
	Engineering		\$144,100	\$144,100
	Construction		\$1,441,000	\$1,441,000
	Construction Management/Inspection		\$180,125	\$180,125
	Total	\$0	\$1,909,325	\$1,909,325

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

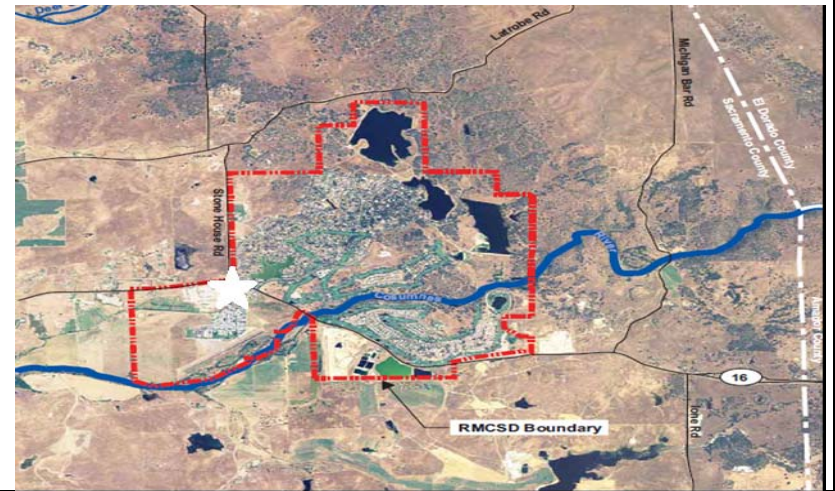
Project Number:	17-5-06	Project Name:	Lookout Hill Booster Pump Station
Location:	Lookout Hill	Project Type:	Recycled Water

Description: Construction of Booster Pump Station at Lookout Hill

Rancho Murieta Community Services District

Justification: Facility Improvement

Notes:



	<i>Item</i>	<i>Previous Expenditures</i>	<i>Cost Estimate</i>	<i>Total</i>
PROJECT COST	Project Administration		\$30,600	\$30,600
	Planning/Environmental		\$30,600	\$30,600
	Engineering		\$61,200	\$61,200
	Construction		\$612,000	\$612,000
	Construction Management/Inspection		\$76,500	\$76,500
	Total	\$0	\$810,900	\$810,900

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

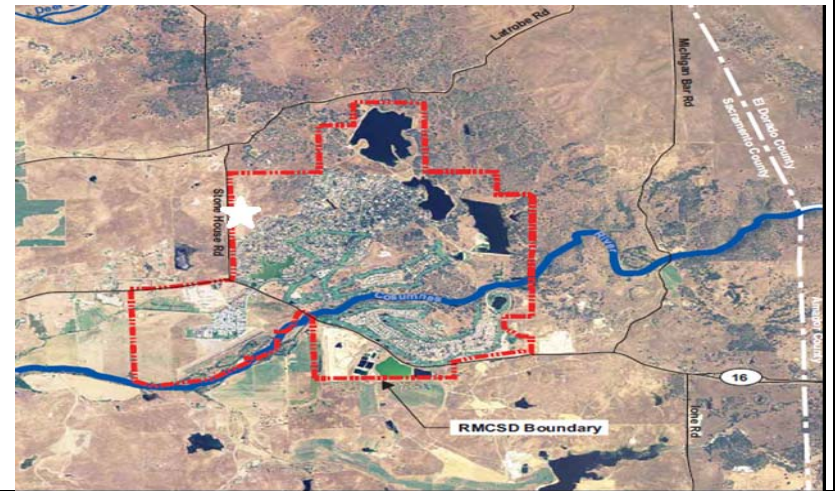
Project Number:	17-5-07	Project Name:	Escuela Park Conversion
Location:	Escuela Park	Project Type:	Recycled Water

Description: Conversion of Escuela Park Irrigation to Recycled Water

Escuela Park

Justification: Facility Improvement

Notes:



	Item	Previous Expenditures	Cost Estimate	Total
PROJECT COST	Project Administration		\$800	\$800
	Planning/Environmental		\$800	\$800
	Engineering		\$1,600	\$1,600
	Construction		\$16,000	\$16,000
	Construction Management/Inspection		\$2,000	\$2,000
	Total	\$0	\$21,200	\$21,200

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

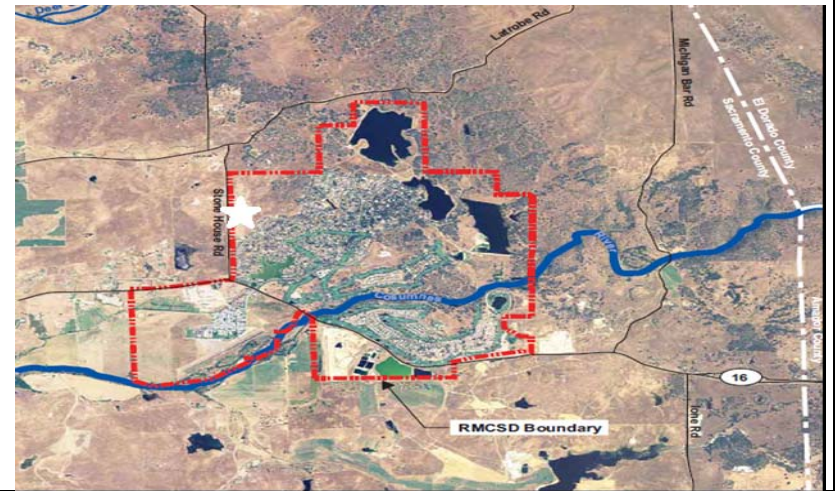
Project Number:	17-5-08	Project Name:	Stonehouse Park Conversion
Location:	Stonehouse Park	Project Type:	Recycled Water

Description: Conversion of Stonehouse Park Irrigation to Recycled Water

Stonehouse Park

Justification: Facility Improvement

Notes:



	Item	Previous Expenditures	Cost Estimate	Total
PROJECT COST	Project Administration		\$1,800	\$1,800
	Planning/Environmental		\$1,800	\$1,800
	Engineering		\$3,600	\$3,600
	Construction		\$36,000	\$36,000
	Construction Management/Inspection		\$4,500	\$4,500
	Total	\$0	\$47,700	\$47,700

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

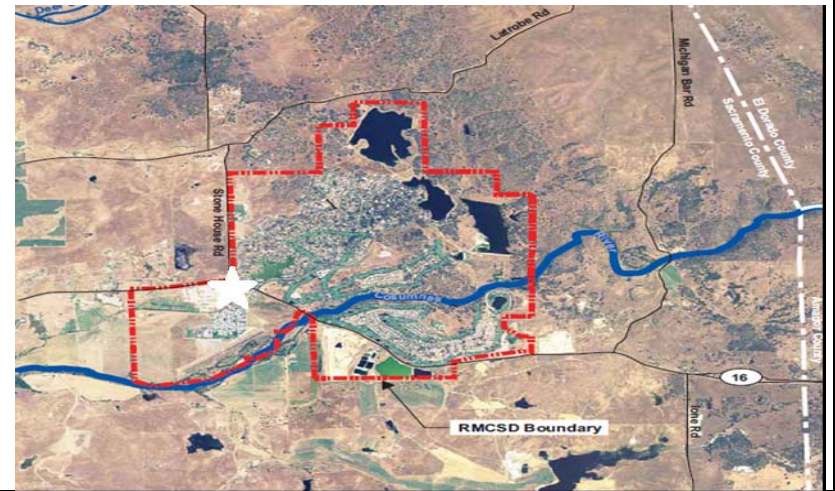
Project Number:	17-5-09	Project Name:	Lookout Hill Water Storage Tank
Location:	Lookout Hill	Project Type:	Recycled Water

Description: Replacement of Existing Water Storage Tank

Rancho Murieta Community Services District

Justification: Facility Improvement

Notes:



	Item	Previous Expenditures	Cost Estimate	Total
PROJECT COST	Project Administration		\$27,250	\$27,250
	Planning/Environmental		\$27,250	\$27,250
	Engineering		\$54,500	\$54,500
	Construction		\$545,000	\$545,000
	Construction Management/Inspection		\$68,125	\$68,125
	Total	\$0	\$722,125	\$722,125

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

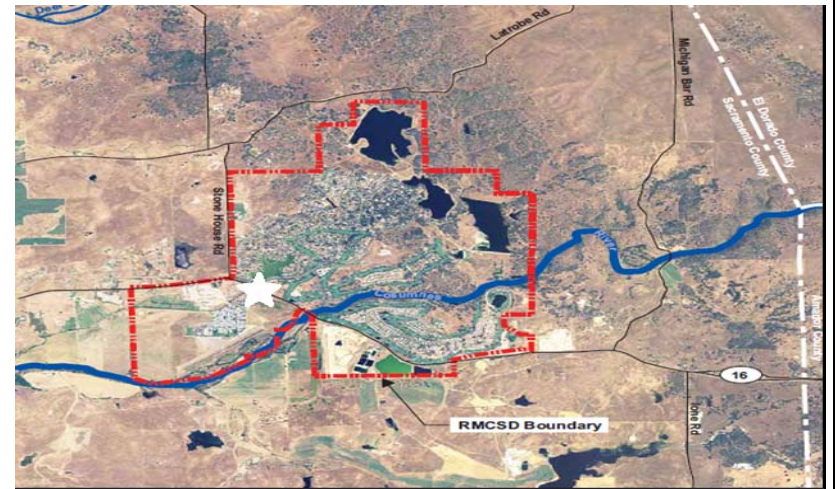
Project Number:	17-5-10	Project Name:	North Main Gate Conversion
Location:	North Main Gate	Project Type:	Recycled Water

Description: Conversion of North Main Gate Irrigation to Recycled Water

North Gate

Justification: Facility Improvement

Notes:



	<i>Item</i>	<i>Previous Expenditures</i>	<i>Cost Estimate</i>	<i>Total</i>
PROJECT COST	Project Administration		\$900	\$900
	Planning/Environmental		\$900	\$900
	Engineering		\$1,800	\$1,800
	Construction		\$18,000	\$18,000
	Construction Management/Inspection		\$2,250	\$2,250
	Total	\$0	\$23,850	\$23,850

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

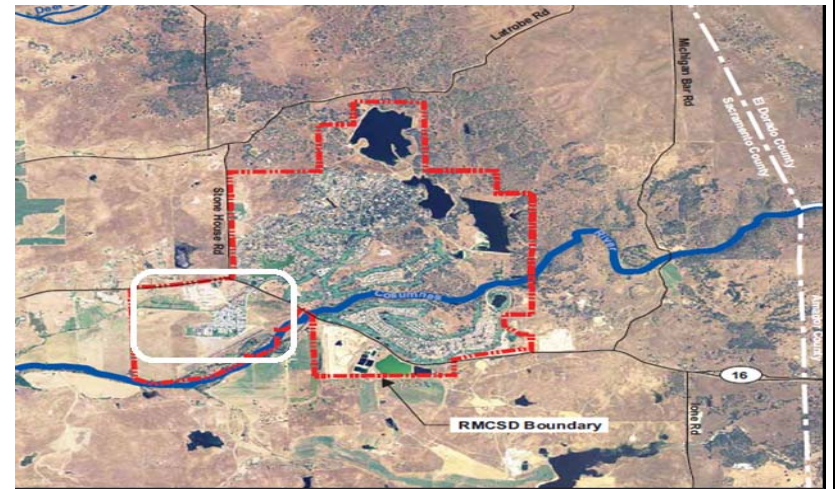
Project Number:	17-5-11	Project Name:	Commercial Loop Conversion
Location:	Commercial District	Project Type:	Recycled Water

Description: Conversion of Irrigation Service to Recycled Water

Rancho Murieta Community Services District

Justification: Facility Improvement

Notes:



	<i>Item</i>	<i>Previous Expenditures</i>	<i>Cost Estimate</i>	<i>Total</i>
PROJECT COST	Project Administration		\$1,250	\$1,250
	Planning/Environmental		\$1,250	\$1,250
	Engineering		\$2,500	\$2,500
	Construction		\$25,000	\$25,000
	Construction Management/Inspection		\$3,125	\$3,125
	Total	\$0	\$33,125	\$33,125

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

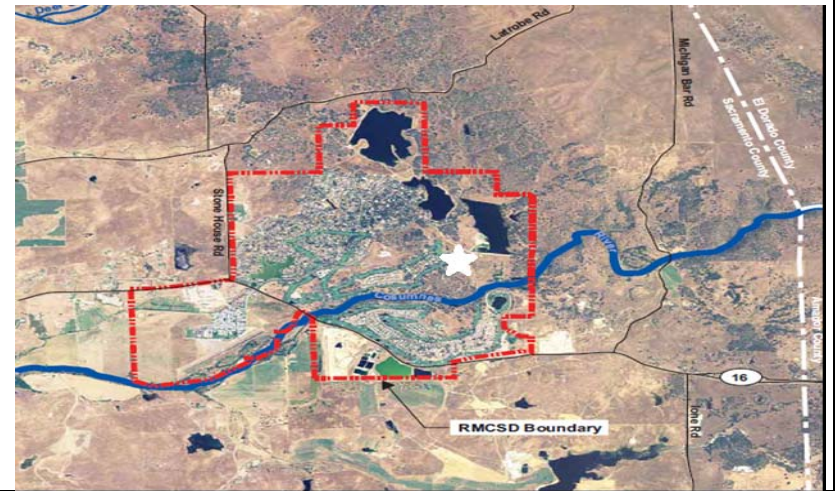
Project Number:	17-5-12	Project Name:	SCADA Upgrades
Location:	Bass Lake	Project Type:	Recycled Water

Description: Hardware and Software Equipment Purchase

Bass Lake

Justification: Administrative

Notes:



	Item	Previous Expenditures	Cost Estimate	Total
PROJECT COST	Project Administration		\$4,100	\$4,100
	Planning/Environmental		\$4,100	\$4,100
	Engineering		\$8,200	\$8,200
	Construction		\$82,000	\$82,000
	Construction Management/Inspection		\$10,250	\$10,250
	Total	\$0	\$108,650	\$108,650

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

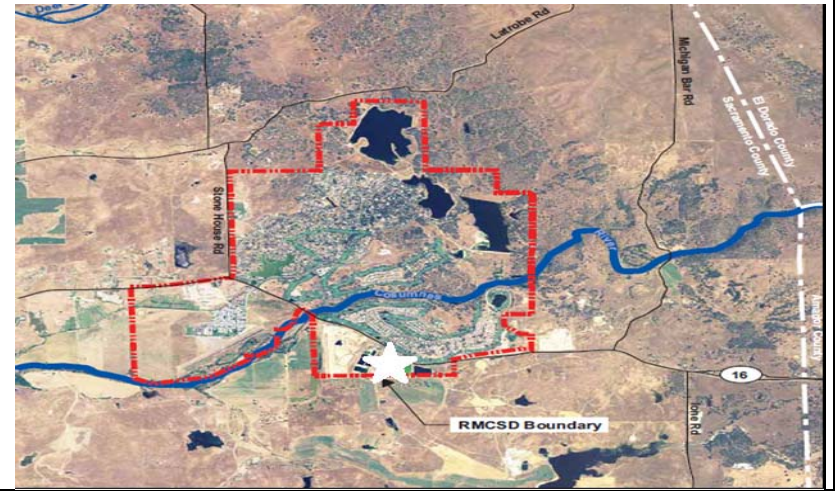
Project Number:	17-5-13	Project Name:	Disinfection Facility Upgrade
Location:	Wastewater Treatment Plant	Project Type:	Recycled Water

Description: Construction of Chlorine Contact Chamber

Wastewater Treatment Plant

Justification: Facility Improvement

Notes:



	<i>Item</i>	<i>Previous Expenditures</i>	<i>Cost Estimate</i>	<i>Total</i>
PROJECT COST	Project Administration		\$33,250	\$33,250
	Planning/Environmental		\$33,250	\$33,250
	Engineering		\$66,500	\$66,500
	Construction		\$665,000	\$665,000
	Construction Management/Inspection		\$83,125	\$83,125
	Total	\$0	\$881,125	\$881,125

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

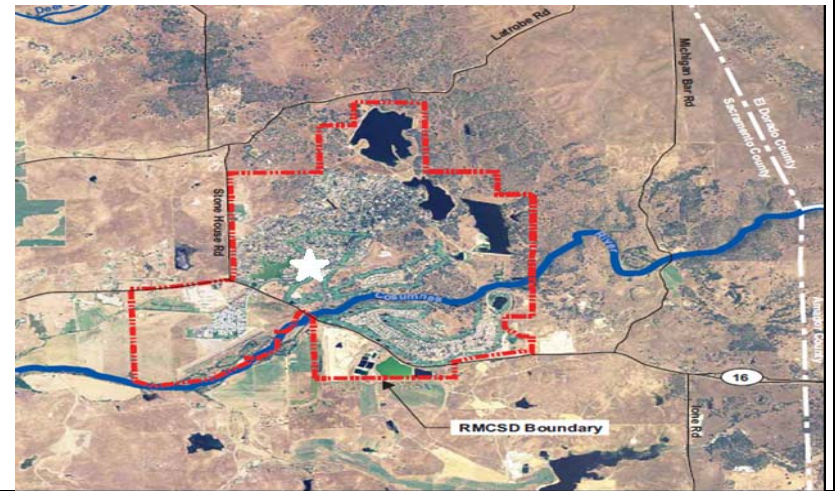
Project Number:	17-5-14	Project Name:	North Golf Course Conveyance System
Location:	RM Country Club	Project Type:	Recycled Water

Description: Construction of Recycled Water Mains

Rancho Murieta Country Club

Justification: Facility Improvement

Notes:



	Item	Previous Expenditures	Cost Estimate	Total
PROJECT COST	Project Administration		\$81,000	\$81,000
	Planning/Environmental		\$81,000	\$81,000
	Engineering		\$162,000	\$162,000
	Construction		\$1,620,000	\$1,620,000
	Construction Management/Inspection		\$202,500	\$202,500
	Total	\$0	\$2,146,500	\$2,146,500

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

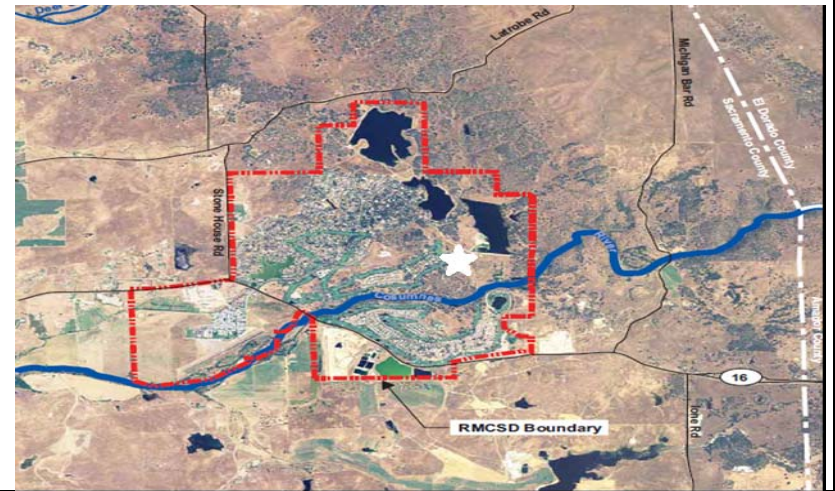
Project Number:	17-5-15	Project Name:	Bass Lake Tank
Location:	Bass Lake	Project Type:	Recycled Water

Description: Construction of Recycled Water Storage Tank

Bass Lake

Justification: Facility Improvement

Notes:



	Item	Previous Expenditures	Cost Estimate	Total
PROJECT COST	Project Administration		\$60,800	\$60,800
	Planning/Environmental		\$60,800	\$60,800
	Engineering		\$121,600	\$121,600
	Construction		\$1,216,000	\$1,216,000
	Construction Management/Inspection		\$152,000	\$152,000
	Total	\$0	\$1,611,200	\$1,611,200

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

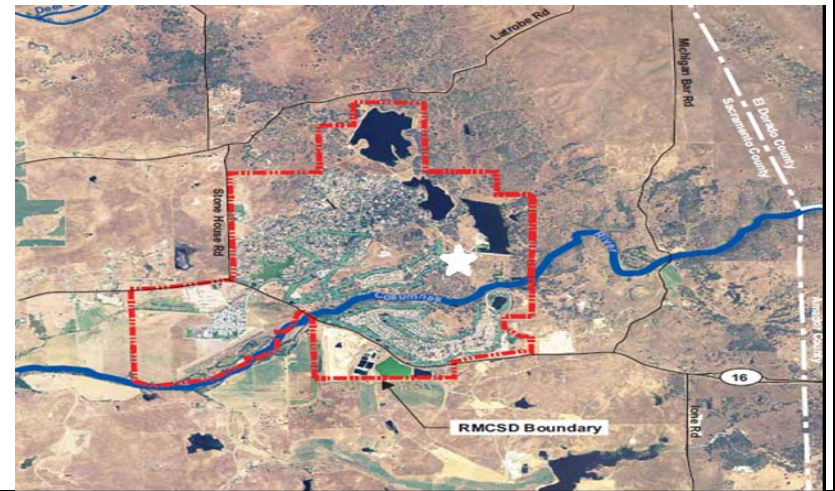
Project Number:	17-5-16	Project Name:	Bass Lake Booster Pump Station
Location:	Bass Lake	Project Type:	Recycled Water

Description: Construction of Booster Pump Station at Bass Lake

Bass Lake

Justification: Facility Improvement

Notes:



	Item	Previous Expenditures	Cost Estimate	Total
PROJECT COST	Project Administration		\$31,250	\$31,250
	Planning/Environmental		\$31,250	\$31,250
	Engineering		\$62,500	\$62,500
	Construction		\$625,000	\$625,000
	Construction Management/Inspection		\$78,125	\$78,125
	Total	\$0	\$828,125	\$828,125

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

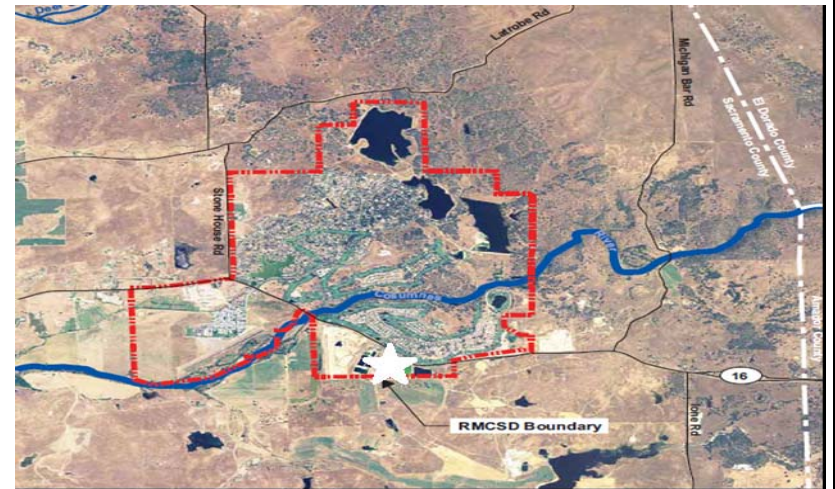
Project Number:	17-5-17	Project Name:	Seasonal Storage Reservoir Expansion
Location:	Wastewater Treatment Plant	Project Type:	Recycled Water

Description: Expansion of Existing Reservoir

Wastewater Treatment Plant

Justification: Facility Improvement

Notes:



	<i>Item</i>	<i>Previous Expenditures</i>	<i>Cost Estimate</i>	<i>Total</i>
PROJECT COST	Project Administration		\$41,500	\$41,500
	Planning/Environmental		\$41,500	\$41,500
	Engineering		\$83,000	\$83,000
	Construction		\$830,000	\$830,000
	Construction Management/Inspection		\$103,750	\$103,750
	Total	\$0	\$1,099,750	\$1,099,750

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

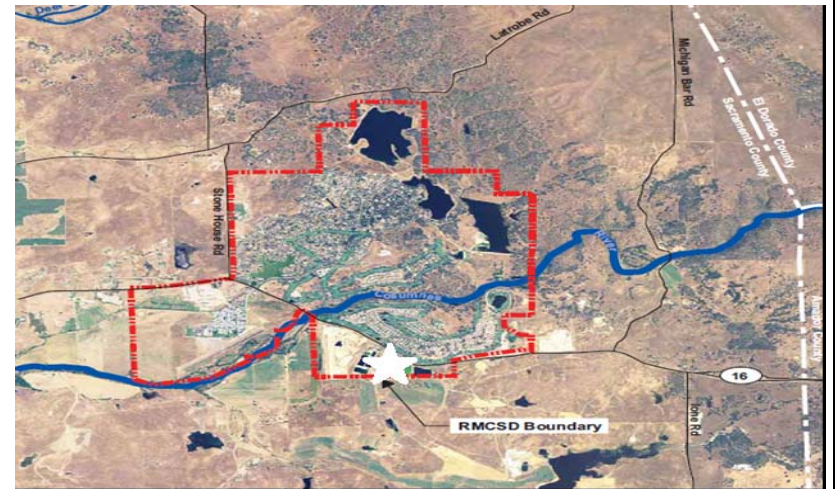
Project Number:	17-5-18	Project Name:	Tertiary Pump Station Pump Replacement
Location:	Wastewater Treatment Plant	Project Type:	Recycled Water

Description: Replacement of Tertiary Pump to Dissolved Air Flootation Units

Rancho Murieta Community Services District

Justification: Facility Improvement

Notes:



	Item	Previous Expenditures	Cost Estimate	Total
PROJECT COST	Project Administration		\$5,000	\$5,000
	Planning/Environmental		\$5,000	\$5,000
	Engineering		\$10,000	\$10,000
	Construction		\$100,000	\$100,000
	Construction Management/Inspection		\$12,500	\$12,500
	Total	\$0	\$132,500	\$132,500

Appendix D

Facility Capital Improvement Projects Technical Memorandum



COASTLAND

CIVIL ENGINEERING - CONSTRUCTION MANAGEMENT - BUILDING DEPARTMENT SERVICES

Technical Memorandum

Date: August 29, 2017

To: Rancho Murieta Community Services District

From: John Griffin
Marc Fernandez

Reviewed By: Dane Schilling

Subject: Facility Capital Improvement Projects

In support of the Rancho Murieta Community Services District (District) Facility Capital Improvement Fee Update, Coastland has prepared this technical memorandum (Tech Memo) to summarize the various District facility capital improvement projects.

This Tech Memo also provides Project Data Forms that provide basic information about each project and a breakdown of cost by component:

- Administration/Management
- Planning/Environmental
- Engineering
- Construction
- Construction Management/Inspection

Planning level summary sheets of updated construction cost estimates for each of the facility capital improvement projects are provided in support of the construction costs presented in the Project Data Forms. The project components are established as a percentage of construction.

Project data forms and supporting construction cost estimates are incorporated as Attachment A.

BACKGROUND

The District was formed in 1982 by State Government Code 61000 to provide essential services in Rancho Murieta. The District provides essential services to an area of 3,500 acres located in eastern Sacramento County. Land use decisions within the District are governed by Sacramento County. The current population within the District is approximately 5,600 people.

Santa Rosa
1400 Neotomas Avenue
Santa Rosa, CA 95403

Auburn
11865 Edgewood Road
Auburn, CA 95603
www.coastlandcivil.com

FACILITIES CAPITAL IMPROVEMENT PROJECTS SUMMARY

A master list of District facility capital improvement projects has existed and been utilized in the calculation of the capital improvement fee since the mid 1980's. Over the years, the District has completed a number of projects and also added others, completely driven by growth and expansion of the customer base within the service area. As part of the analysis in preparation of this Tech Memo, Coastland and District staff conducted a review of the existing list, eliminating projects that no longer were applicable to serve the District's needs. Coastland and District staff also identified new projects deemed necessary to serve growth and expansion of the customer base within the service area.

Below is a brief summary of each facility capital improvement project.

Water Projects:

Rio Oso Hydropneumatic Station Air Compressor (CIP 17-1-01)

In tandem with CIP 17-1-02 and 17-1-03, this project consists of construction of a turbine (piston-less) air compressor and miscellaneous piping improvements to pressurize the hydropneumatic tank at Rio Oso. Continued growth in the area will place a greater daily and hourly demand on the Rio Oso site, necessitating improvements to the water delivery equipment at the site. This improvement is necessary to control delivery of water serving an increased customer base, mitigating impacts to the system caused by growth and maintaining the existing level of service for the community.

Booster Pump Building at Rio Oso (CIP 17-1-02)

In tandem with CIP 17-1-01 and 17-1-03, this project consists of construction of a new concrete masonry unit (CMU) building with a removable steel roof for the existing booster pumps at the Rio Oso tank site. Miscellaneous site improvements for underground pipes and electrical conduits will be required to accommodate the building at the tank site. Due to the increased water flow demands from development nearby the Rio Oso site and increased levels and duration of noise generated by the equipment to meet the increased demand, the building will mitigate these noise impacts that would otherwise affect existing residents nearby the facility.

Rio Oso Hydropneumatic Tank (CIP 17-1-03)

In tandem with CIP 17-1-01 and 17-1-02, this project consists of installation of a hydropneumatic tank and minor miscellaneous piping improvements at the Rio Oso Tank site. The hydropneumatic tank will help regulate proper system pressure ranges and fluctuations associated with starting and stopping of additional pumps that will be online to meet future development's demands. It will also help to avoid pressure fluctuations which may damage future installation infrastructure, both necessary for the efficient operation of a water supply system. This improvement is necessary to control delivery of water serving an increased customer base mitigating impacts to the system caused by growth and maintaining the existing level of service for the community.

Culvert Crossing at Water Treatment Plant (CIP 17-1-04)

This project consists of drainage improvements to the recently expanded water treatment plant. The new membrane segment of the water treatment plant requires a number of new chemicals to



operate and maintain these membranes to achieve full-life expectancy. These improvements consist of installation of a 4'x6' box culvert and construction of a 20' wide access road for a permanent creek crossing into the water treatment plant, which provides a safer and more reliable route for chemical delivery and maintenance vehicles at the water treatment plant while also complying with stormwater regulations. Without this improvement, chemical deliveries to the facility would be affected at times when the existing creek crossing is flooded.

Dam Road Grading and Resurfacing (CIP 17-1-05)

This project consists of grading and paving of the existing gravel dam roads of Lake Chesbro and Lake Clementia. Paved access roads will receive a roadway structural section of 3" of asphalt on 4" of aggregate base to a width of up to 20'. The structural section is less than residential standards due to the lower anticipated average daily trips. The width may be adjusted during the entitlement process for Rancho North. At Lake Chesbro, access road paving will begin at the northerly end of Camino Del Lago Drive, continue around the eastern side of the lake to the water treatment plant, and terminate at the existing paved portion of the lake access road at the southern end of the lake. At Lake Clementia, access road paving will begin at the intersection of Camino Del Lago Drive and Clementia Circle to the easterly end of the Lake Clementia dam road. Some tree removal is anticipated and mitigation is expected should this occur. These improvements are required due to an increase in the number of trips to the lakes to conduct maintenance and operational inspections and efficiency of water delivery to an increase in its customer base. Growth in the area will also create a larger base of customers using the trails and dam roads for recreational purposes.

Chlorine Gas to Bleach Conversion – Water Treatment Plant (CIP 17-1-06)

This project consists of modifications to the water treatment plant disinfection processes from chlorine gas to sodium hypochlorite (bleach). Due to the heightened security and safety concerns of storing and feeding chlorine gas, increased demand in the use of chlorine gas due to the growth experienced by the District and anticipated increased flows through the water treatment plant created by build-out of the service area, planned development in close proximity to the water plant, and the required transportation of this chemical through the community to the water treatment plant, the District plans to convert from chlorine gas to bleach as the disinfection process. The use of chlorine gas as a disinfection method has declined in the municipal water treatment industry due to risk. This process for treatment is more cost effective, and safer to deliver, store and feed than chlorine gas. The water treatment plant process controls will be modified with new chemical feed pumps and installation of a new 5,000-gallon tank, and piping modification for liquid sodium hypochlorite (bleach), along with demolition of existing equipment and a temporary chlorination system during construction. This conversion will allow the District to more safely and efficiently disinfect its water supply while accommodating additional water treatment demands from a larger customer base. In addition, mitigation of risks associated with growth infringing around the water treatment plant triggers the need for increased safety of the community.

Maintenance Shed at Water Treatment Plant (CIP 17-1-07)

This project consists of construction of prefabricated 20'x40' steel maintenance shed building with rollup door at the water treatment plant for material and equipment storage. Water treatment plant expansion and changes due to increased flows from an expanding customer base create the need to store additional materials and new maintenance equipment that are necessary to accommodate an increase in demands and services placed on the system by build-out of the



service area. This improvement will allow the District staff to operate in an efficient manner due to the various planned improvements to serve a larger customer base, maintaining the existing level of service and mitigating impacts to the system caused by growth.

Emergency Water Supply Well (CIP 17-1-08)

This project consists of a new water supply well located near an unused portion at the south end of Anderson Ranch and drilled to an estimated depth of three hundred feet below ground surface to provide for a secondary, backup water supply for build-out of the service area. The project will also construct pipeline improvements to connect the well to the existing water distribution system. It should be noted that the District has been awarded a RWA grant in the amount of \$494,000 to supplement project costs. Supplementary data and cost estimates are provided in detail in the Technical Memorandum Production Water Well Assessment by Dunn Environmental, Inc., dated December 12, 2013. Costs include pipeline and easement for the pipeline, but do not include treatment, except for chlorine injection.

Sewer Projects:

Sewer/Drainage Hydro Cleaning Truck (CIP 17-2-01)

This project consists of purchasing of a vac-con truck. As growth within the District's service area occurs, the District requires additional equipment that will allow the District to maintain the new infrastructure constructed to support growth in good condition and achieve its full-life expectancy. Vac-Con trucks can be used for multiple applications such as sewer and drainage line cleaning. Purchase of this truck makes these types of operations for the District more efficient when serving a larger customer base.

Material and Equipment Warehouse (CIP 17-2-02)

This project consists of construction of prefabricated 40'x60' steel warehouse building with rollup doors at the wastewater treatment plant between aeration pond 3 and aeration pond 5 for material and equipment storage. Wastewater treatment plant expansion and changes due to increased flows from an expanding customer base create the need to store for materials and new maintenance equipment that are necessary to accommodate an increase in demands and services placed on the system by build-out of the service area. This improvement will allow the wastewater system to operate in an efficient manner due to the various planned improvements that will accommodate additional wastewater treatment flows from a larger customer base.

Drying Bed and Access Road Improvements (CIP 17-2-03)

This project consists of modification of a sludge drying bed located at the southern end of the wastewater treatment plant between Reservoir 1 and Aeration Pond 4. Construction will also include a paved access to the drying beds versus the existing clay roadway, new 80'x80' concrete pad for storing dried solids, modifications to existing piping, constructing new underground piping improvements, installing underdrain cleanouts, and modifying the drying bed design to allow for safer access. The improvements are required for the wastewater treatment plant to accommodate and handle a higher volume of sludge and increased trips generated by an expanding customer base.



Chlorine Gas to Bleach Conversion – Wastewater Treatment Plant (CIP 17-2-04)

This project consists of modifications to the wastewater treatment plant disinfection processes. Due to the heightened security and safety concerns of storing and feeding chlorine gas, increased demand in use of chlorine gas due to the growth experienced by the District and anticipated increased flows to the wastewater treatment plant created at build-out of the service area, and the required transportation of this chemical through the community to the wastewater treatment plant, the District plans to convert the chlorine gas to bleach as the disinfection process. The use of chlorine gas as a disinfection method has declined in the municipal waste treatment industry due to risk. This process for treatment is more cost effective, and safer to deliver, store and feed than chlorine gas. The wastewater treatment plant process controls will be modified with new chemical feed pumps and installation of a new 5,000-gallon tank for liquid sodium hypochlorite (bleach). Improvements will be constructed outside, near the existing chlorine contact chamber. This conversion will allow the District to more safely and efficiently disinfect while accommodating additional wastewater treatment flows from a larger customer base. In addition, mitigation of risks associated with potential growth infringing around the wastewater treatment plant triggers the need for increased safety of the community.

WWTP SCADA Monitoring (CIP 17-2-05)

This project consists of expansion to the wastewater Supervisor Control and Data Acquisition (SCADA) monitoring and control system, compatible with existing and proposed SCADA software and hardware in use by the District. The existing hardware of radio transmission units (RTU's) and programmable logic controls (PLC's) are not sized to handle increased communications that would be generated by system expansion, necessary to serve build-out of the community. The existing components will be replaced with equipment capable of monitoring and controlling the entire filtration and disinfection process at the wastewater treatment plant and various control processes outside of the plant. The project also consists of minor improvements/replacements to flow sensors, valves, and sensor transmitters for the various processes at the wastewater treatment plant. The project also requires purchase of new SCADA software and supporting hardware, along with SCADA workstations to control the upgraded hardware improvements. SCADA system expansion is required to keep the wastewater treatment plant operating in an efficient manner with the various planned improvements that are required to accommodate additional wastewater treatment flows from a larger customer base.

Lift Station Capacity Improvement (CIP 17-2-06)

This project consists of expansion to two existing lift stations; Main North Lift Station and 6B Lift Station to accommodate increased flows from a larger customer base and provide for continued system reliability due to increased flows to minimize the risk of spills. Each of the lift stations will receive upgrades to the wastewater SCADA monitoring and control system. This consists of purchase and installation of RTU's and PLC's. The project also consists of improvements to the lift station flow sensors, valves, and sensor transmitters to be compatible with the SCADA hardware. The Main North Lift Station will also require upsizing of odor control, a new comminutor and pump for the third dry pit/wet pit system, and coatings/lining for concrete. The 6B Lift station will require a third pump, generator, new electrical panel, and minor piping improvements.

Fiber Optic Connection – Wastewater Treatment Plant to Admin. (CIP 17-2-07)

This project consists of installation of approximately one thousand eight hundred (1,800') linear feet of conduit and fiber optic cable between the wastewater treatment plant and District



administration building and minor electrical/telecommunications improvements to the District headquarters and wastewater treatment plant buildings. The current wireless network and wireless repeaters used for communications purposes is outdated and slow. This problem will be exacerbated when future plant expansions occur, as additional communications bandwidth is necessary for increased traffic. This project will replace the existing wireless network that will be unable to keep up with increased network traffic triggered by growth with a fiber optic communication cable and network, allowing the existing system to remain in place in case of emergency. The fiber optic connection is required to accommodate the additional data collection, needed bandwidth for CCTV monitoring, data transfers required to operate the wastewater treatment plant, and enhance the security of the system to allow the District to maintain a high level of customer service when serving a larger customer base.

Piping Connection – Sludge Discharge to Drying Beds (CIP 17-2-08)

This project consists of installation of approximately one thousand linear feet (1,000') of 14" pipe and minor valve improvements. The pipeline will be installed from the wastewater plant's pond drain system at a point near the tertiary pump station to the sludge drying beds adjacent to the drying bed access road. Improvements include a new pump station, which will be confirmed based on elevations of existing underground pipelines. These piping modifications are required to keep the wastewater treatment plant operating in an efficient manner with the various planned improvements that will accommodate additional wastewater flows from a larger customer base and expand the handling capability of the solids dewatering system.

Sludge Dredge and Filter Skids for Ponds (CIP 17-2-09)

This project consists of purchase of a remote controlled flump dredge and a filter skid for the sludge drying beds located at the southern end of the wastewater treatment plant. A flump dredge is used for sludge collection and removal of sludge from the wastewater treatment plant ponds. The filter skid is a mobile filtration system that combines a self-cleaning filter with required pumps, manifolds, and controllers. The skid offers a mobile and easy to install industrial water filter station for the wastewater pumped by the flump dredge. Continued growth within the community will create increased volume of solids at the wastewater treatment plant. This purchase is required to increase handling capacity, minimize maintenance operations, and lower operational costs at the wastewater treatment plant when serving a larger customer base due to increased production of solids caused by increased flows to the Wastewater Treatment Plant.

Headworks (CIP 17-2-10)

This project consists of construction of expanded headworks and odor control systems at the wastewater treatment plant to accommodate additional flows from build-out of the service area. The headworks of a wastewater treatment plant is the initial stage of a complex process. The new headworks will consist of self-cleaning screens with solids compactions and disposal, and odor control unit to be located north of Aeration Pond 1. This will also then be the centralized site that will tie together the north and south force main influent pipelines and provide a single metering point for District inflows, which is necessary as flows increase into the Wastewater Treatment Plant. The headworks will channelize the influent into an open channel to flow through a drum screen and bar screen to effectively remove plastic and non-degradable solids, grit, and other debris from the wastewater instead of flowing into wastewater treatment ponds. Influent will then pass through the odor control unit to neutralize any noxious odors, prior to discharging into Aeration Pond 1. This improvement is required to provide expanded primary screening and treatment capacity at the wastewater treatment plant caused by the increased customer base. It



should be noted, the District previously contracted with Hydrosience Engineer's, Inc. in 2009 to design the headworks. In February 2010, the District suspended the design contract for the engineering design at approximately 50% completed.

Motor Actuated Valve for Sludge Drying Bed (CIP 17-2-13)

This project consists of installation of a motor actuated valve for controlling operations of the sludge drying beds. As growth within the District's service area occurs and flows increase, the District requires mechanical equipment that facilitate operation of the existing infrastructure. The new valve is required to keep the wastewater treatment plant operating in an efficient manner with the various planned improvements that will accommodate additional wastewater flows from a larger customer base and expand the handling capability of the solids dewatering system.

Yellow Bridge Sewer Force Main Improvements (CIP 17-2-14)

This project consists of improvements to the sewer force main on the Yellow Bridge. Increases in flows into the upstream sewer lift stations and increased number of pumping cycles will lead to premature failure of existing exposed sewer infrastructure located on the Yellow Bridge. New mechanical equipment to be installed includes plug valves, air release valves, and containment vault. This new equipment will trigger the need to realign two small segments of the reclaimed water main on the Yellow Bridge. Both mains will need to be dewatered during construction. This improvement will allow the wastewater force main system to operate in an efficient manner due to the various planned improvements that will accommodate additional wastewater treatment flows from a larger customer base.

Anderson Ranch Spray Field 4 (CIP 17-2-15)

This improvement consists of various transmission, distribution and irrigation system improvements at the Anderson Ranch Spray Field. The expansion of reclamation capacity is necessary to comply with existing permit conditions, as the existing reclamation capacity is unable to accommodate increased flows while still complying with the permit conditions during wet weather events.

Drainage Projects:

Commercial Area Drainage Slide Gate Automation (CIP 17-2-11)

This project consists of installation of an automated motor operated valve, float switch, minor electrical controls and an autodialer alarm system on the slide drainage gate in the commercial loop area, with phone service (either wireless or wired), but not incorporated into the District's SCADA system. The intended use of the slide gate is to provide flood protection from the Cosumnes River flows during peak storm rain events. The gate is currently operated manually and must be visually inspected during rain events to determine the need to lower the gate. This project is intended to provide an automated motor control and flow sensors to automatically lower the gate when the Cosumnes River reaches predetermined flood elevations. These improvements will provide flood protection for current and future developments in the commercial loop area while improving District operations for flood protection during storm events.



Stormwater Monitoring Testing Equipment (CIP 17-2-12)

This project consists of purchasing water quality testing equipment. The equipment includes a portable sampling device, portable turbidity meter, portable chemical analyzer, and various miscellaneous appurtenances to monitor and record stormwater quality. This equipment purchase will allow the District to maintain compliance with current National Pollutant Discharge Elimination System (NPDES) requirements and lower operational costs for water quality sampling during storm events. Further, an increased population base will trigger additional monitoring requirements, which the use of these new pieces of equipment will provide.

Trash Containment Structures (CIP 17-2-16)

This project consists of installation of ten trash racks in various locations in the District's drainage shed. The District's MS4 NPDES permit requires collection and removal of trash from the drainage system before runoff enters the Cosumnes River. Instead of requiring each new subdivision to construct de-centralized systems, several centralized systems will be constructed to serve larger regional drainage sheds and water bodies, allowing for a better planned system that meets these regulatory requirements.

Administrative Projects:

District Administration Building Remodel/Expansion (CIP 17-4-01)

This project consists of constructing a 40'x100' addition to the existing District Administration Building. The addition and remodel of eastern half of the building will create additional offices for staff, provide additional storage area for District records and expand the public meeting room for the Districts' Board of Director's and Committee meetings. Additional support staff will be required to maintain efficiency in District administrative, accounting, and field operations when serving an expanded customer base.

ACTIVE PROJECTS

The projects listed below are currently part of the overall facilities capital improvement program and are currently underway. These costs are not factored into the overall program.

Sewer Projects:

Easement Hydro-Jetter [In Process]

This project consists of purchasing of a trailer mounted hydro-jetting machine to be used for sewer and storm drain maintenance applications, where access to facilities lies within a small width easement with limited vehicular access, typically in common areas around homes in the Rancho Murieta North. Purchase of this trailer makes these types of maintenance operations for the District more efficient, thus decreasing maintenance costs when serving a larger customer base.

Water Projects:

Granlees Site Restriction [In Process]

This project consists of site security improvement such as fencing, gates, guardrails, and signs at the Granlees Dam, Granlees fish ladder, and raw water pump station. Supplementary data and



cost estimates are provided in detail in the Granlees Dam Accessibility Restriction Predesign Alternatives Study and Type Selection Report by HDR, Inc., dated December 2005.

Administrative Projects:

Records Storage [In Process]

This project consists of purchase of an electronic document management system and scanning hardware. The district is faced with new challenges from its customer base as demands for instant access to electronic government documents online, such as public records, and heightened security and regulations continue to grow. This system will allow the District to maintain a high level of service for an expanded customer base.

ELIMINATED PROJECTS

The projects listed below were removed from the prior overall Facilities Capital Improvement Program. These costs are not factored into the overall program.

District Radio Transmitter Station	\$15,000
Facilities Triangulation Control System	\$51,000
Security Gates Video Operations Link	\$76,000
Automated Equipment Identification System	\$60,000
Stonehouse Wastewater Plant Closeout	\$60,000
Hydroelectric Generation Facility	\$335,000
North Gate Security Improvements	\$485,000
Chesbro Air Injection System	\$60,000
Capital Improvement Fee Software	\$20,000
Granlees Raw Water Pump Station Electrical	\$60,000
Telemetry and Central Control System	\$500,000
Laguna Joaquin Drainage Channel Lining	\$850,000
Ditch Maintenance Tractor/Mower	\$40,000
Lake Algae Induction System	\$35,000
Drainage Dich Cleaning from Hay Barn to River	\$80,000
Wireless Cloud Costs	\$285,000
CMMS/Websoft	\$200,000
Wireless Network	\$100,000



TABLE 1 - FACILITIES CAPITAL IMPROVEMENT PROGRAM PROJECT SUMMARY

Project Number	Project Name	Project Estimate
Water Projects		
17-1-01	Rio Oso Hydropneumatic Station Air Compressor	\$29,120
17-1-02	Booster Pump Building at Rio Oso	\$508,200
17-1-03	Rio Oso Hydropneumatic Tank	\$213,500
17-1-04	Culvert Crossing at Water Treatment Plant	\$159,880
17-1-05	Dam Road Grading and Resurfacing	\$1,227,600
17-1-06	Chlorine Gas to Bleach Conversion - Water Treatment Plant	\$352,940
17-1-07	Maintenance Shed (20' x 40') at Water Treatment Plant	\$67,480
17-1-08	Emergency Water Supply Well	\$1,043,200
Water Project Total		\$3,601,920
Sewer Projects		
17-2-01	Sewer/Drainage Hydro Cleaning Truck	\$168,000
17-2-02	Material and Equipment Warehouse	\$147,840
17-2-03	Drying Bed and Access Road Improvements	\$605,500
17-2-04	Chlorine Gas to Bleach Conversion - Wastewater Treatment Plant	\$266,140
17-2-05	WWTP SCADA Monitoring	\$225,400
17-2-06	Lift Station Capacity Improvements	\$997,920
17-2-07	Fiber Optic Connection - Wastewater Treatment Plant to Administration Building	\$136,780
17-2-08	Piping Connection - Sludge Discharge to Drying Beds	\$380,660
17-2-09	Sludge Dredge & Filter Skid for Ponds	\$471,240
17-2-10	Headworks	\$641,200
17-2-13	Motor Actuated Valve for Sludge Drying Bed	\$60,000
17-2-14	Yellow Bridge Sewer Force Main Improvements	\$167,000
17-2-15	Anderson Ranch Spray Field 4	\$1,179,250
Sewer Project Total		\$5,446,930
Drainage Projects		
17-2-01	Sewer/Drainage Hydro Cleaning Truck	\$168,000
17-2-11	Commercial Area Drainage Slide Gate Automation	\$55,440
17-2-12	Stormwater Monitoring Testing Equipment	\$43,680
17-2-16	Trash Containment Structures	\$115,000
Drainage Project Total		\$382,120
Administrative Projects		
17-4-01	District Administration Building Remodel/Expansion	\$400,960
Administrative Project Total		\$400,960
Capital Improvement Project Total		\$9,831,930

ATTACHMENT A - PROJECT DATA FORMS

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

Project Number: 17-1-01 **Project Name:** Rio Oso Hydropneumatic Station Air Compressor
Location: Rio Oso **Project Type:** Water

Description: Installation of Hydropneumatic Station Air Compressor

Hydroneumatic Station Air Compressor

Justification: Facility Improvement

Notes: Water System Reliability



	<i>Item</i>	<i>Previous Expenditures</i>	<i>Cost Estimate</i>	<i>Total</i>
<i>PROJECT COST</i>	Adminstration/Management		\$1,040	\$1,040
	Planning/Environmental		\$1,040	\$1,040
	Engineering		\$3,120	\$3,120
	Construction		\$20,800	\$20,800
	Construction Management/Inspection		\$3,120	\$3,120
	Total	\$0	\$29,120	\$29,120

Rancho Murieta Community Services District
Project Name: Rio Oso Hydropneumatic Station Air Compressor
Job Number: 17-1-01

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
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1	Air Compressor	1	LS	\$7,500.00	\$7,500.00
2	Misc. Appurtenances	1	LS	\$3,750.00	\$3,750.00
3	230V Service	1	LS	\$4,500.00	\$4,500.00
4	Mobilization (10%)	1	LS	\$1,575.00	\$1,575.00

Subtotal \$17,325.00

20% Contingency \$3,465.00

Total Construction Cost \$20,790.00

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

Project Number:	17-1-02	Project Name:	Booster Pump Building at Rio Oso
Location:	Rio Oso	Project Type:	Water

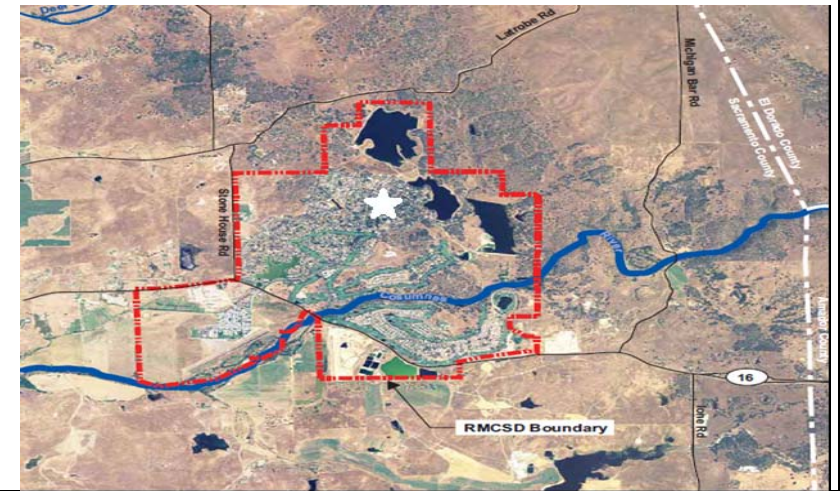
Description: Construction of Booster Pump Station Building

Rio Oso

Justification: Facility Improvement

Notes: Reduce Noise Generation

	<i>Item</i>	<i>Previous Expenditures</i>	<i>Cost Estimate</i>	<i>Total</i>
PROJECT COST	Administration/Management		\$18,150	\$18,150
	Planning/Environmental		\$18,150	\$18,150
	Engineering		\$54,450	\$54,450
	Construction		\$363,000	\$363,000
	Construction Management/Inspection		\$54,450	\$54,450
	Total	\$0	\$508,200	\$508,200



Rancho Murieta Community Services District

Project Name: **Booster Pump Station Building at Rio Oso**

Job Number: **17-1-02**

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
1	(25'x25') CMU Building w/removable steel roof	1	LS	\$250,000.00	\$250,000.00
2	Site Work	1	LS	\$25,000.00	\$25,000.00
3	Mobilization (10%)	1	LS	\$27,500.00	\$27,500.00
				Subtotal	\$302,500.00
				20% Contingency	\$60,500.00
				Total Construction Cost	<u>\$363,000.00</u>

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

Project Number:	17-1-03	Project Name:	Rio Oso Hydropneumatic Tank
Location:	Rio Oso	Project Type:	Water

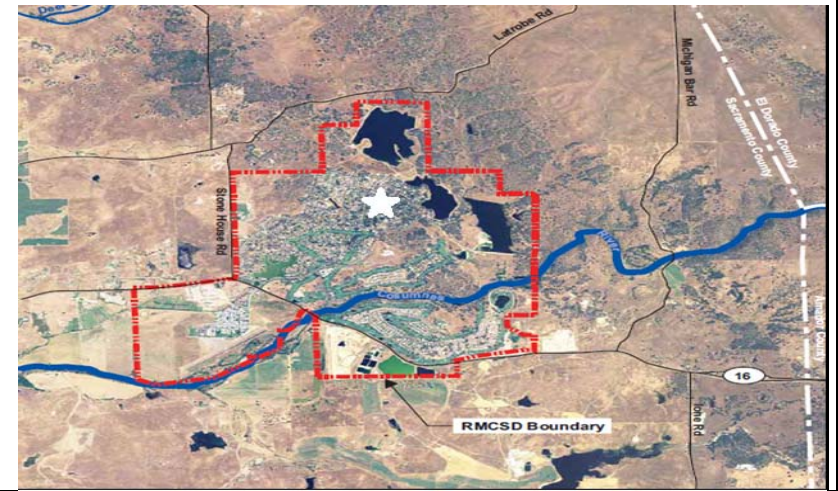
Description: Construction of Hydropneumatic Tank at Rio Oso

Rio Oso

Justification: Facility Improvement

Notes: Water System Reliability/Regulation and Noise Reduction

	<i>Item</i>	<i>Previous Expenditures</i>	<i>Cost Estimate</i>	<i>Total</i>
PROJECT COST	Administration/Management		\$7,625	\$7,625
	Planning/Environmental		\$7,625	\$7,625
	Engineering		\$22,875	\$22,875
	Construction		\$152,500	\$152,500
	Construction Management/Inspection		\$22,875	\$22,875
	Total	\$0	\$213,500	\$213,500



Rancho Murieta Community Services District
Project Name: Rio Oso Hydropneumatic Tank
Job Number: 17-1-03

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
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1	Hydropneumatic Tank (Tank & Foundation)	1	LS	\$50,000.00	\$50,000.00
2	Valves, Appurtanences, Controls	1	LS	\$25,000.00	\$25,000.00
3	4" - 6" PVC Pipe	100	LF	\$180.00	\$18,000.00
4	Site Work (Electrical, BMPs, Misc. Items)	1	LS	\$15,000.00	\$15,000.00
5	Disinfection & Startup	1	LS	\$7,500.00	\$7,500.00
6	Mobilization (10%)	1	LS	\$11,550.00	\$11,550.00

Subtotal \$127,050.00

20% Contingency \$25,410.00

Total Construction Cost \$152,460.00

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

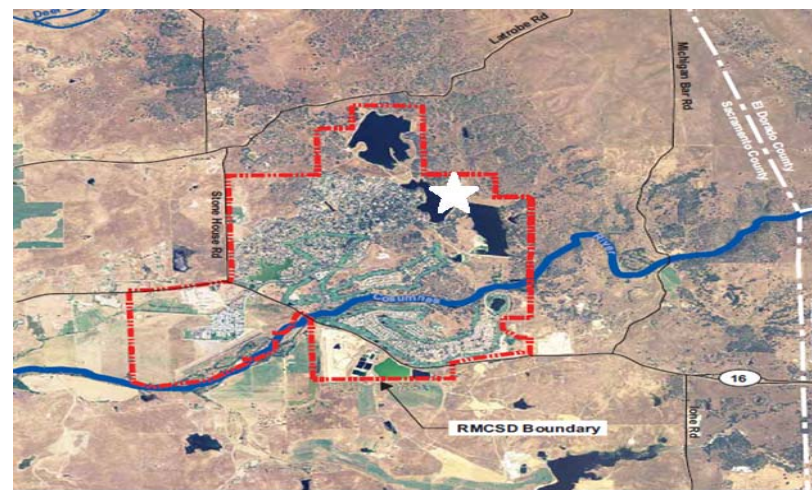
Project Number:	17-1-04	Project Name:	Culvert Crossing at Water Treatment Plant
Location:	Water Treatment Plant	Project Type:	Water

Description: Construction of Drainage Culvert at Water Treatment Plant

Water Treatment Plant

Justification: Facility Improvement

Notes: Water Treatment Plant Operational Efficiency - Vehicle, Chemical Delivery, Maintenance, and Stormwater Quality



	<i>Item</i>	<i>Previous Expenditures</i>	<i>Cost Estimate</i>	<i>Total</i>
PROJECT COST	Administration/Management		\$5,710	\$5,710
	Planning/Environmental		\$5,710	\$5,710
	Engineering		\$17,130	\$17,130
	Construction		\$114,200	\$114,200
	Construction Management/Inspection		\$17,130	\$17,130
	Total	\$0	\$159,880	\$159,880

Rancho Murieta Community Services District
Project Name: Culvert Crossing at Water Treatment Plant
Job Number: 17-1-04

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
1	Pre-Cast Concrete Culvert (4' x 6' x 20')	1	LS	\$23,000.00	\$23,000.00
2	Headwall	1	LS	\$8,000.00	\$8,000.00
3	Roadway Improvements*	1	LS	\$48,000.00	\$48,000.00
4	Streambed Alteration Permit	1	LS	\$1,500.00	\$1,500.00
5	Stormwater Best Management Practices	1	LS	\$6,000.00	\$6,000.00
6	Mobilization (10%)	1	LS	\$8,650.00	\$8,650.00

Subtotal \$95,150.00

20% Contingency \$19,030.00

Total Construction Cost \$114,180.00

- * Assumes a 4" AC / 3" AB, 20' wide (300 LF)
- 4" x 20' x 300' = 145 Tons
- 3" x 20' x 300' = 56 CY
- Grading & Base Compaction

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

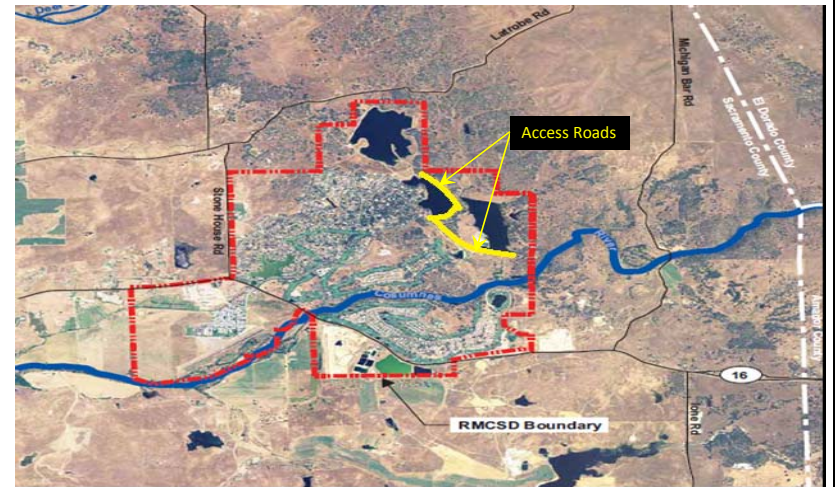
Project Number:	17-1-05	Project Name:	Dam Road Grading and Resurfacing
Location:	Lake Clementia & Lake Chesbro	Project Type:	Water

Description: Upgrade of Existing Dam Roads

Lake Clementia and Lake Chesbro Dam Roads

Justification: Facility Improvement

Notes: Increased Lake Inspections, Customer Recreational Use



	Item	Previous Expenditures	Cost Estimate	Total
PROJECT COST	Administration/Management		\$40,920	\$40,920
	Planning/Environmental		\$122,760	\$122,760
	Engineering		\$122,760	\$122,760
	Construction		\$818,400	\$818,400
	Construction Management/Inspection		\$122,760	\$122,760
	Total	\$0	\$1,227,600	\$1,227,600

Rancho Murieta Community Services District
Project Name: Dam Road Grading and Resurfacing
Job Number: 17-1-05

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
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1	Roadway Improvements*	1	LS	\$600,000.00	\$600,000.00
2	Clearing and Grubbing	1	LS	\$10,000.00	\$10,000.00
3	Tree Mitigation	1	LS	\$10,000.00	\$10,000.00
4	Mobilization (10%)	1	LS	\$62,000.00	\$62,000.00
					\$0.00

Subtotal \$682,000.00

20% Contingency \$136,400.00

Total Construction Cost \$818,400.00

- * Assumes a 3" AC /4" AB, 20' wide
- 3,400 LF Lake Clamentia
- 4,700 LF Lake Chesbro
- Grading & Base Compaction

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

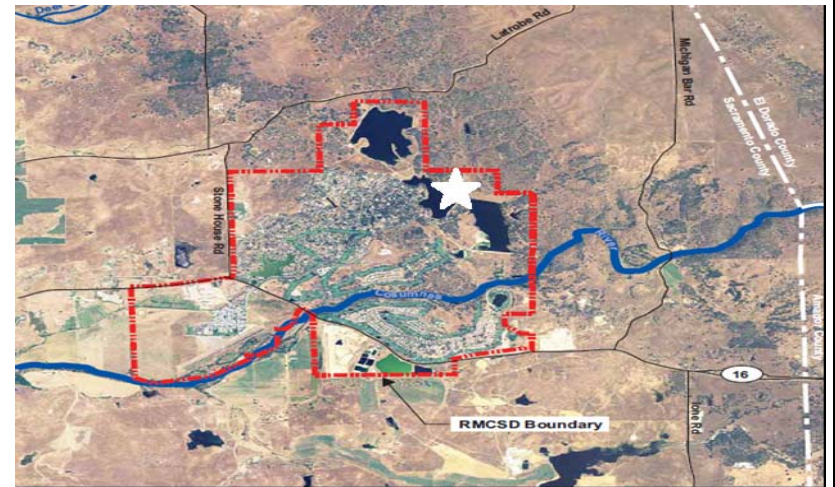
Project Number:	17-1-06	Project Name:	Chlorine Gas to Bleach Conversion - Water Treatment Plant
Location:	Water Treatment Plant	Project Type:	Water

Description: Conversion of Treatment Systems from Chlorine Gas to Bleach

Water Treatment Plant

Justification: Facility Improvement

Notes: Increased Safety due to growth encroachment and Disinfection Process



	<i>Item</i>	<i>Previous Expenditures</i>	<i>Cost Estimate</i>	<i>Total</i>
PROJECT COST	Administration/Management		\$12,605	\$12,605
	Planning/Environmental		\$12,605	\$12,605
	Engineering		\$37,815	\$37,815
	Construction		\$252,100	\$252,100
	Construction Management/Inspection		\$37,815	\$37,815
	Total	\$0	\$352,940	\$352,940

Rancho Murieta Community Services District
Project Name: Chlorine Gas to Bleach Conversion - Water Treatment Plant
Job Number: 17-1-06

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
1	Equipment & Appurtanences	1	LS	\$32,000.00	\$32,000.00
2	Site/Facility Improvements (Tank, Chemical Feed Pumps)	1	LS	\$30,000.00	\$30,000.00
3	Systems Conversion and Telemetry	1	LS	\$16,000.00	\$16,000.00
4	Building Modification (Demolition, Foundation)	1	LS	\$40,000.00	\$40,000.00
5	Temporary Chlorination during Construction	1	LS	\$50,000.00	\$50,000.00
6	Permit Modifications	1	LS	\$8,000.00	\$8,000.00
7	Field Startup and Training	1	LS	\$15,000.00	\$15,000.00
8	Mobilization (10%)	1	LS	\$19,100.00	\$19,100.00

	Subtotal	\$210,100.00
	20% Contingency	\$42,020.00
	Total Construction Cost	\$252,120.00

* Hopkins Technical Products Quote 2/6/17
5100 Gallon Tank
Chemical Feed Pumps

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

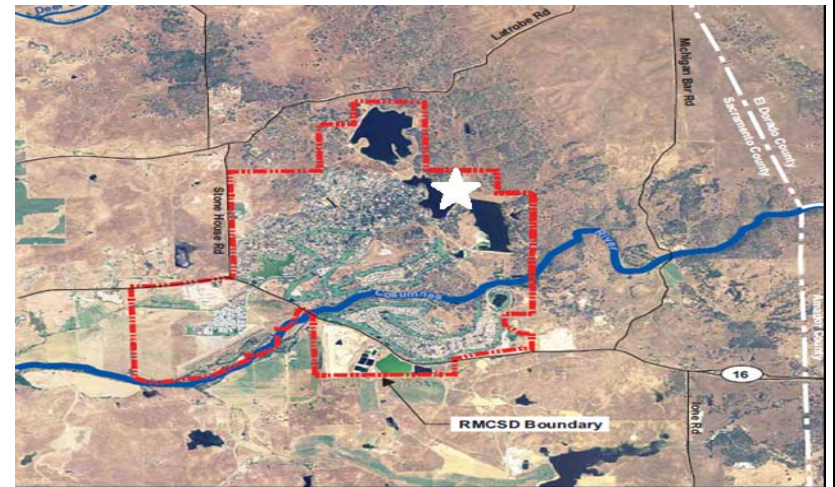
Project Number:	17-1-07	Project Name:	Maintenance Shed (20' x 40') at Water Treatment Plant
Location:	Water Treatment Plant	Project Type:	Water

Description: Purchase and installation of pre-fabricated shed

Water Treatment Plant

Justification: Facility Improvement

Notes: Additional Materials and Equipment Storage - Water Treatment Plant Maintenance



	Item	Previous Expenditures	Cost Estimate	Total
PROJECT COST	Administration/Management		\$2,410	\$2,410
	Planning/Environmental		\$2,410	\$2,410
	Engineering		\$7,230	\$7,230
	Construction		\$48,200	\$48,200
	Construction Management/Inspection		\$7,230	\$7,230
	Total	\$0	\$67,480	\$67,480

Rancho Murieta Community Services District
Project Name: Maintenance Shed (20' x 40') at Water Treatment Plant
Job Number: 17-1-07

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
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1	20'x40' Maintenance Shed (Pre-Manufactured)	1	LS	\$32,000.00	\$32,000.00
2	Site Preparation/Foundation/Electrical	1	LS	\$4,500.00	\$4,500.00
3	Mobilization (10%)	1	LS	\$3,650.00	\$3,650.00
					\$0.00

Subtotal	\$40,150.00
20% Contingency	\$8,030.00
Total Construction Cost	<u><u>\$48,180.00</u></u>

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

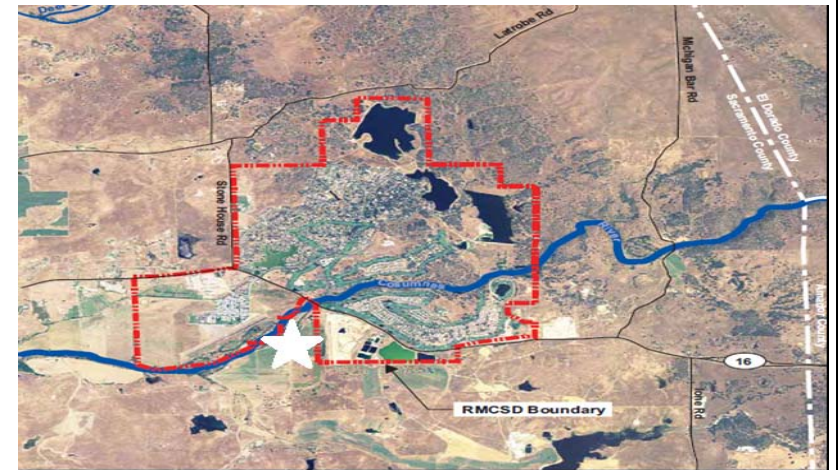
Project Number:	17-1-08	Project Name:	Emergency Water Supply Well
Location:	Anderson Ranch Spray Fields	Project Type:	Water

Description: Construction of Water Well

Justification: Facility Improvement

Notes: Backup Water Supply

Rancho Murieta Community Services District



	Item	Previous Expenditures	Cost Estimate	Total
PROJECT COST	Administration/Management		\$54,900	\$54,900
	Planning/Environmental		\$54,900	\$54,900
	Engineering/Right-of-Way		\$164,700	\$164,700
	Construction		\$1,098,000	\$1,098,000
	Construction Management/Inspection		\$164,700	\$164,700
	RWA Grant		(\$494,000)	
	Total	\$0	\$1,043,200	\$1,043,200

Rancho Murieta Community Services District
Project Name: Emergency Water Supply Well
Job Number: 17-1-08

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
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1	Estimate By Dunn Environmental	1	LS	\$900,000.00	\$900,000.00
2	Permit Modifications	1	LS	\$15,000.00	\$15,000.00

	Subtotal	\$915,000.00
	20% Contingency	\$183,000.00
	Total Construction Cost	<u>\$1,098,000.00</u>

*

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

Project Number:	17-2-01	Project Name:	Sewer/Drainage Hydro Cleaning Truck
Location:	Maintenance Equipment	Project Type:	Sewer/Drainage

Description: Purchase of Vac-Con Truck

Vac Con Truck

Justification: Preventative Maintenance

Notes: Achieve full life expectancy of sewer and drainage system infrastructure.



	<i>Item</i>	<i>Previous Expenditures</i>	<i>Cost Estimate</i>	<i>Total</i>
PROJECT COST	Administration/Management		\$12,000	\$12,000
	Planning/Environmental		\$12,000	\$12,000
	Engineering		\$36,000	\$36,000
	Construction		\$240,000	\$240,000
	Construction Management/Inspection		\$36,000	\$36,000
	Total	\$0	\$336,000	\$336,000

Rancho Murieta Community Services District

Project Name: Sewer/Drainage Hydro Cleaning Truck

Job Number: 17-2-01

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
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1	9 Yard Combination Sewer Cleaner (Vac-Con) Purchase	1	LS	\$200,000.00	\$200,000.00

Subtotal \$200,000.00

20% Contingency \$40,000.00

Total Construction Cost \$240,000.00

http://www.vac-con.com/combinaton_sewer_cleaning_truck.html#3

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

Project Number:	17-2-02	Project Name:	Material and Equipment Warehouse
Location:	Wastewater Treatment Plant	Project Type:	Sewer

Description: On-Site Construction of a Pre-Fabricated Warehouse

Storage Warehouse

Justification: Facility Improvement

Notes: Additional Materials and Equipment Storage - Wastewater Treatment Plant



	Item	Previous Expenditures	Cost Estimate	Total
PROJECT COST	Project Administration		\$5,280	\$5,280
	Planning/Environmental		\$5,280	\$5,280
	Engineering		\$15,840	\$15,840
	Construction		\$105,600	\$105,600
	Construction Management/Inspection		\$15,840	\$15,840
	Total	\$0	\$147,840	\$147,840

Rancho Murieta Community Services District

Project Name: Material and Equipment Warehouse

Job Number: 17-2-02

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
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1	40'x60' Warehouse (Pre-Manufactured)	1	LS	\$50,000.00	\$50,000.00
2	Site Preparation/Foundation/Electrical	1	LS	\$30,000.00	\$30,000.00
3	Mobilization (10%)	1	LS	\$8,000.00	\$8,000.00
					\$0.00

Subtotal \$88,000.00

20% Contingency \$17,600.00

Total Construction Cost \$105,600.00

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

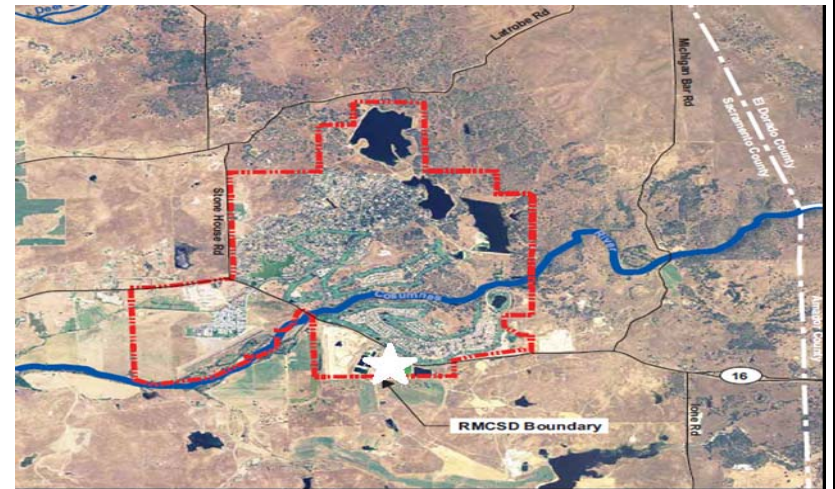
Project Number:	17-2-03	Project Name:	Drying Bed and Access Road Improvements
Location:	Wastewater Treatment Plant	Project Type:	Sewer

Description: Construction of additional drying bed

Sewer Treatment Plant

Justification: Facility Improvement

Notes: Increased Solids - Larger Customer Base



	Item	Previous Expenditures	Cost Estimate	Total
PROJECT COST	Administration/Management		\$21,625	\$21,625
	Planning/Environmental		\$21,625	\$21,625
	Engineering		\$64,875	\$64,875
	Construction		\$432,500	\$432,500
	Construction Management/Inspection		\$64,875	\$64,875
	Total	\$0	\$605,500	\$605,500

Rancho Murieta Community Services District
Project Name: Drying Bed and Access Road Improvements
Job Number: 17-2-03

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
1	Drying Bed Improvements*	280	CY	\$450.00	\$126,000.00
2	Piping & Appurtanences	1	LS	\$12,000.00	\$12,000.00
3	Access Road Improvements (6" AC / 8" AB)	1	LS	\$75,000.00	\$75,000.00
4	Dried Sludge Storage Pad (80'x80'x12")	237	CY	\$450.00	\$106,650.00
5	Permit Modifications	1	LS	\$8,000.00	\$8,000.00
6	Mobilization (10%)	1	LS	\$32,765.00	\$32,765.00

	Subtotal	\$360,415.00
	20% Contingency	\$72,083.00
	Total Construction Cost	\$432,498.00

* Additional Drying Bed for Sludge Storage
- Excavation & Grading

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

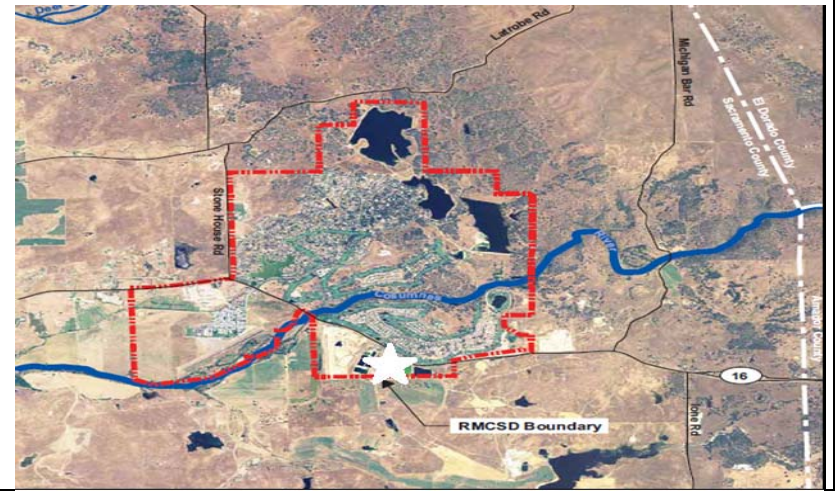
Project Number: 17-2-04 **Project Name:** Chlorine Gas to Bleach Conversion - Wastewater Treatment Plant
Location: Wastewater Treatment Plant **Project Type:** Sewer

Description: Conversion of Treatment Systems from Chlorine Gas to Bleach

Sewer Treatment Plant

Justification: Facility Improvement

Notes: Increased Safety due to growth encroachment and Disinfection Process



	<i>Item</i>	<i>Previous Expenditures</i>	<i>Cost Estimate</i>	<i>Total</i>
PROJECT COST	Administration/Management		\$9,505	\$9,505
	Planning/Environmental		\$9,505	\$9,505
	Engineering		\$28,515	\$28,515
	Construction		\$190,100	\$190,100
	Construction Management/Inspection		\$28,515	\$28,515
	Total	\$0	\$266,140	\$266,140

Rancho Murieta Community Services District

Project Name: Chlorine Gas to Bleach Conversion - Wastewater Treatment Plant

Job Number: 17-2-04

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
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1	Equipment* (Piping, Chemical Feed Pumps, Control Panel)	1	LS	\$52,000.00	\$52,000.00
2	Site/Facility Conversion	1	LS	\$35,000.00	\$35,000.00
3	Systems Conversion and Telemetry	1	LS	\$16,000.00	\$16,000.00
4	Field Startup	1	LS	\$10,000.00	\$10,000.00
5	Staff Training	1	LS	\$5,000.00	\$5,000.00
6	Enclosure & Screening	1	LS	\$18,000.00	\$18,000.00
7	Permit Modifications	1	LS	\$8,000.00	\$8,000.00
8	Mobilization (10%)	1	LS	\$14,400.00	\$14,400.00

Subtotal \$158,400.00

20% Contingency \$31,680.00

Total Construction Cost \$190,080.00

* Hopkins Technical Products Quote 2/6/17
5100 Gallon Tank
Chemical Feed Pumps

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

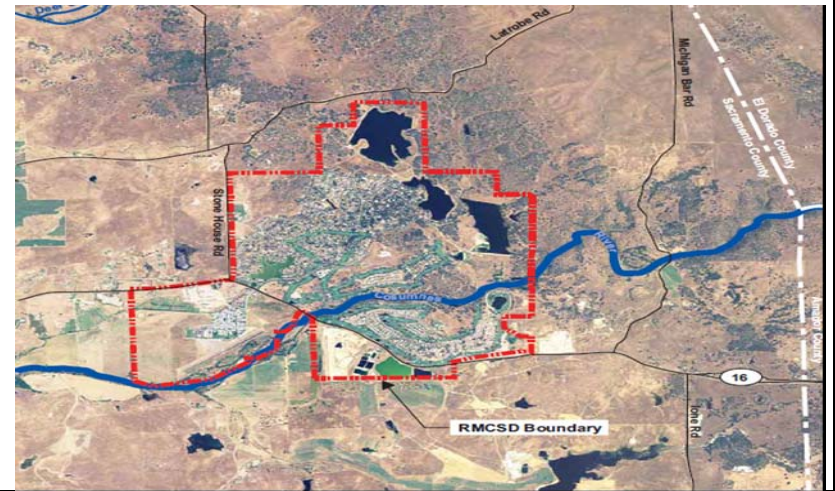
Project Number:	17-2-05	Project Name:	WWTP SCADA Monitoring
Location:	Hardware/Software	Project Type:	Sewer

Description: Hardware and Software Equipment Purchase

Rancho Murieta Community Services District

Justification: Administrative

Notes: Wastewater Treatment Plant Reliability due to system expansion triggered by growth



	Item	Previous Expenditures	Cost Estimate	Total
PROJECT COST	Administration/Management		\$8,050	\$8,050
	Planning/Environmental		\$8,050	\$8,050
	Engineering		\$24,150	\$24,150
	Construction		\$161,000	\$161,000
	Construction Management/Inspection		\$24,150	\$24,150
	Total	\$0	\$225,400	\$225,400

Rancho Murieta Community Services District

Project Name: WWTP SCADA Monitoring

Job Number: 17-2-05

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
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	Supervisory Control And Data Acquisition (SCADA)				
1	SCADA Hardware & Installation. RTU/PLC's	1	LS	\$30,000.00	\$30,000.00
2	SCADA Network Server & Workstations	1	LS	\$12,000.00	\$12,000.00
3	SCADA Software Purchase	1	LS	\$20,000.00	\$20,000.00
4	System Programming & Integration	1	LS	\$60,000.00	\$60,000.00
5	Mobilization (10%)	1	LS	\$12,200.00	\$12,200.00

Subtotal \$134,200.00

20% Contingency \$26,840.00

Total Construction Cost \$161,040.00

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

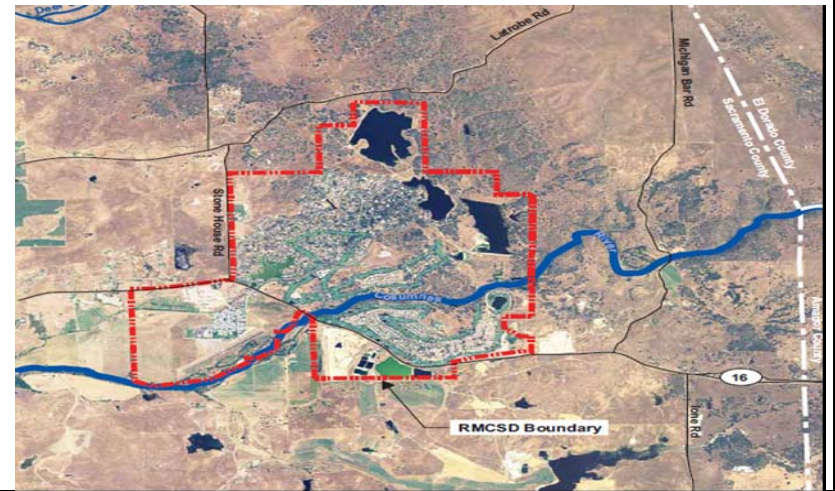
Project Number:	17-2-06	Project Name:	Lift Station Capacity Improvements
Location:	Collection System	Project Type:	Sewer

Description: Sewer Lift Station Collection System Expansion

Rancho Murieta Community Services District

Justification: Administrative

Notes: Add pumps, odor control, and other equipment to accommodate planned growth



	Item	Previous Expenditures	Cost Estimate	Total
PROJECT COST	Administration/Management		\$35,640	\$35,640
	Planning/Environmental		\$35,640	\$35,640
	Engineering		\$106,920	\$106,920
	Construction		\$712,800	\$712,800
	Construction Management/Inspection		\$106,920	\$106,920
	Total	\$0	\$997,920	\$997,920

Rancho Murieta Community Services District

Project Name: Lift Station Capacity Improvements

Job Number: 17-2-06

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
1	Supervisory Control And Data Acquisition (SCADA)	1	LS	\$200,000.00	\$200,000.00
2	Main Lift North (Pump, Piping, Odor Control, Concrete, Liner)	1	LS	\$175,000.00	\$175,000.00
3	6B Lift (Pumps, Generator, Piping, and Panel)	1	LS	\$165,000.00	\$165,000.00
4	Mobilization (10%)	1	LS	\$54,000.00	\$54,000.00

Subtotal \$594,000.00

20% Contingency \$118,800.00

Total Construction Cost \$712,800.00

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

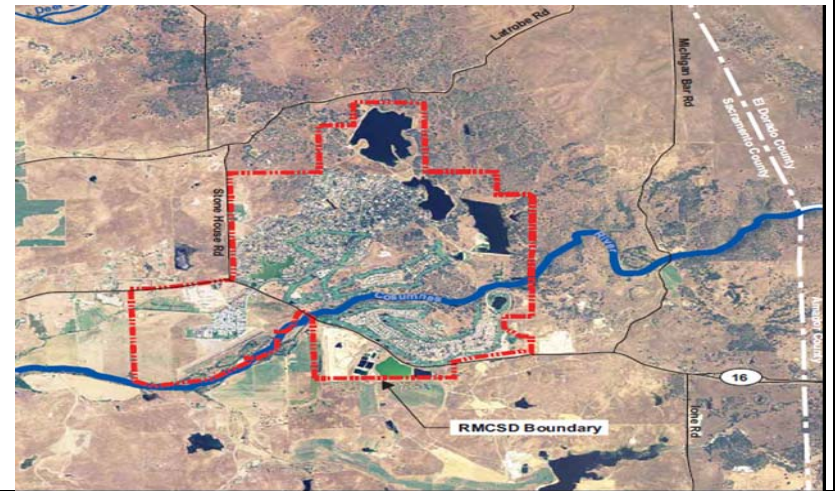
Project Number:	17-2-07	Project Name:	Fiber Optic Connection - Wastewater Treatment Plant to Administration Building
Location:	Hardware/Software	Project Type:	Sewer

Description: Installation of Fiber Optic Telecommunications

Rancho Murieta Community Services District

Justification: Facility Improvement

Notes: Bandwidth - Data Collection, CCTV Monitoring, System Security



	Item	Previous Expenditures	Cost Estimate	Total
PROJECT COST	Adminstration/Management		\$4,885	\$4,885
	Planning/Environmental		\$4,885	\$4,885
	Engineering		\$14,655	\$14,655
	Construction		\$97,700	\$97,700
	Construction Management/Inspection		\$14,655	\$14,655
	Total	\$0	\$136,780	\$136,780

Rancho Murieta Community Services District

Project Name: Fiber Optic Connection -- Wastewater Treatment Plant to Admin Building

Job Number: 17-2-07

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
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1	Service Installation / Service Agreement	1	LS	\$8,000.00	\$8,000.00
2	Conduit Installation & Trench Repair	1,800	LF	\$35.00	\$63,000.00
3	Misc. Facility Modifications	1	LS	\$3,000.00	\$3,000.00
4	Mobilization	1	LS	\$7,400.00	\$7,400.00

Subtotal \$81,400.00

20% Contingency \$16,280.00

Total Construction Cost \$97,680.00

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

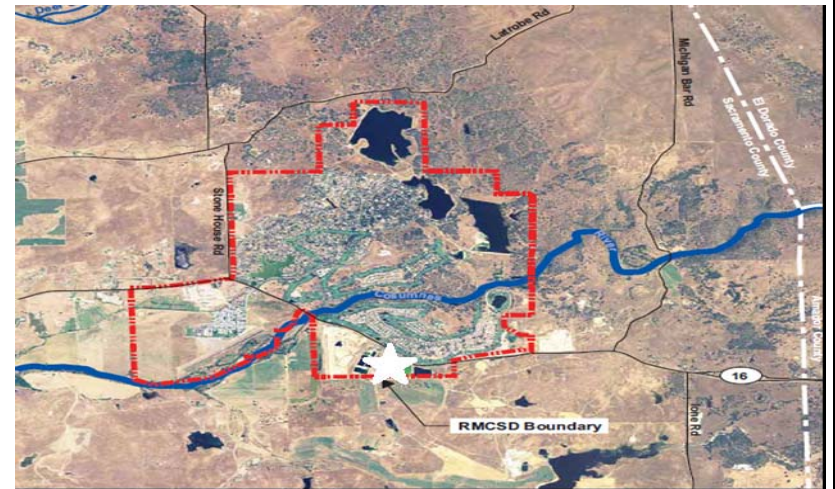
Project Number:	17-2-08	Project Name:	Piping Connection - Sludge Discharge to Drying Beds
Location:	Wastewater Treatment Plant	Project Type:	Sewer

Description: Reconfiguration of Drying Bed Discharge Piping

Justification: Facility Improvement

Notes: Wastewater Treatment Plant increased distribution capacity

Wastewater Treatment Plant



	Item	Previous Expenditures	Cost Estimate	Total
PROJECT COST	Administration/Management		\$13,595	\$13,595
	Planning/Environmental		\$13,595	\$13,595
	Engineering		\$40,785	\$40,785
	Construction		\$271,900	\$271,900
	Construction Management/Inspection		\$40,785	\$40,785
	Total	\$0	\$380,660	\$380,660

Rancho Murieta Community Services District
Project Name: Piping Connection - Sludge Discharge to Drying Beds
Job Number: 17-2-08

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
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1	14" Pipe	1,000	LF	\$130.00	\$130,000.00
2	Valves and Appurtenances	1	LS	\$15,000.00	\$15,000.00
3	Minor Grading	1	LS	\$3,000.00	\$3,000.00
4	Permit Modifications	1	LS	\$8,000.00	\$8,000.00
5	Pump Station	1	LS	\$50,000.00	\$50,000.00
6	Mobilization (10%)	1	LS	\$20,600.00	\$20,600.00

Subtotal \$226,600.00

20% Contingency \$45,320.00

Total Construction Cost \$271,920.00

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

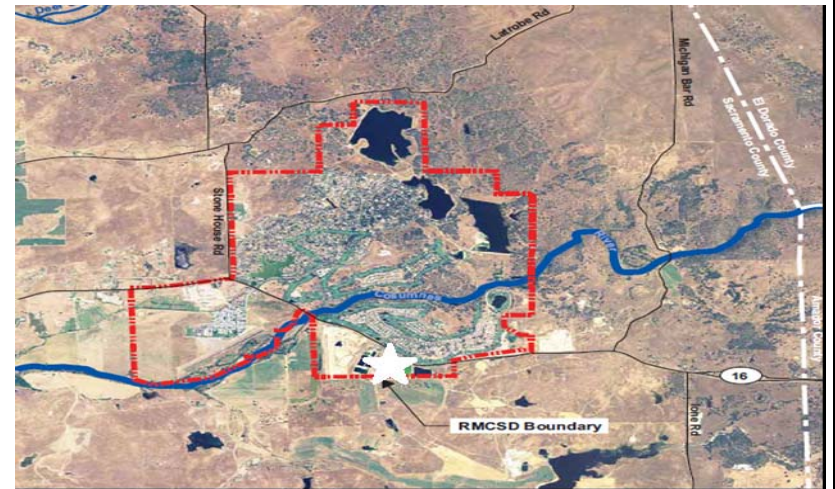
Project Number:	17-2-09	Project Name:	Sludge Dredge & Filter Skid for Ponds
Location:	Wastewater Treatment Plant	Project Type:	Sewer

Description: Purchase of Sludge Dredge and Filter Skids

Wastewater Treatment Plant

Justification: Preventative Maintenance

Notes: Expanded solids handling process in ponds at Wastewater Treatment Plant



	<i>Item</i>	<i>Previous Expenditures</i>	<i>Cost Estimate</i>	<i>Total</i>
PROJECT COST	Administration/Management		\$16,830	\$16,830
	Planning/Environmental		\$16,830	\$16,830
	Engineering		\$50,490	\$50,490
	Construction		\$336,600	\$336,600
	Construction Management/Inspection		\$50,490	\$50,490
	Total	\$0	\$471,240	\$471,240

Rancho Murieta Community Services District

Project Name: Sludge Dredge & Filter Skid for Ponds

Job Number: 17-2-09

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
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1	Flump Dredge (Crisafulli)	1	LS	\$110,000.00	\$110,000.00
2	Filter Skids	1	LS	\$135,000.00	\$135,000.00
3	Site Modifications for Dredge	1	LS	\$10,000.00	\$10,000.00
4	Mobilization (10%)	1	LS	\$25,500.00	\$25,500.00

Subtotal \$280,500.00

20% Contingency \$56,100.00

Total Construction Cost \$336,600.00

<http://www.crisafullipumps.com/dredges/flump>

3" Standard Duty

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

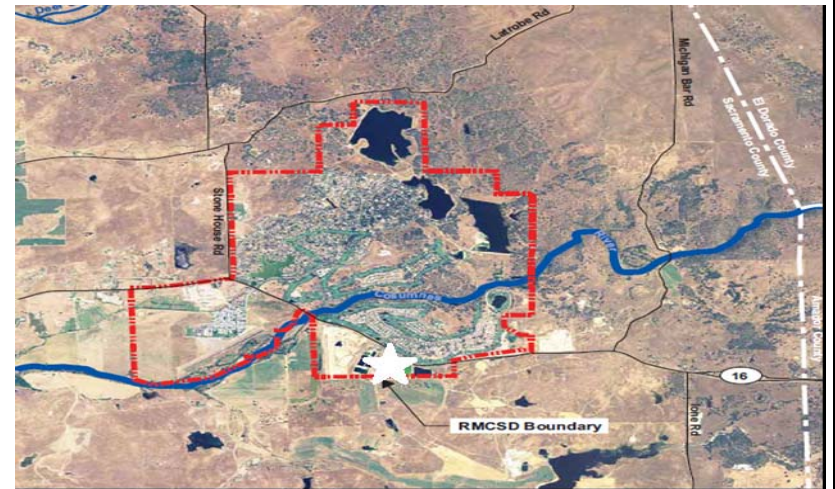
Project Number:	17-2-10	Project Name:	Headworks
Location:	Wastewater Treatment Plant	Project Type:	Sewer

Description: Construction of Headworks at Wastewater Treatment Plant

Wastewater Treatment Plant

Justification: Facility Improvement, Regulatory

Notes: Regulatory Improvement - Primary Screening and Treatment



	Item	Previous Expenditures	Cost Estimate	Total
PROJECT COST	Administration/Management		\$22,900	\$22,900
	Planning/Environmental		\$22,900	\$22,900
	Engineering		\$68,700	\$68,700
	Construction		\$458,000	\$458,000
	Construction Management/Inspection		\$68,700	\$68,700
	Total	\$0	\$641,200	\$641,200

Rancho Murieta Community Services District

Project Name: Headworks

Job Number: 17-2-10

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
1	Hydroscience Estimate* (50% Design)	1	LS	\$450,000.00	\$450,000.00
2	Permit Modifications	1	LS	\$8,000.00	\$8,000.00

Subtotal \$458,000.00

Total Construction Cost \$458,000.00

* Estimate completed in 2010. Updated to 2017 unit pricing.

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

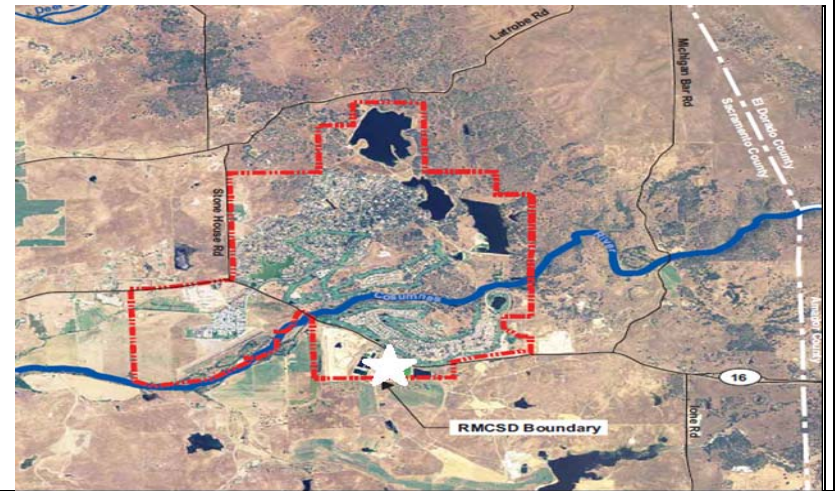
Project Number:	17-2-13	Project Name:	Motor Actuated Valve for Sludge Drying Bed
Location:	Wastewater Treatment Plant	Project Type:	Sewer

Description: Mechanical Plumbing Modifications

Wastewater Treatment Plant

Justification: Facility Improvement

Notes: Expanded solids handling process in ponds at Wastewater Treatment Plant



	<i>Item</i>	<i>Previous Expenditures</i>	<i>Cost Estimate</i>	<i>Total</i>
PROJECT COST	Project Administration		\$2,110	\$2,110
	Planning/Environmental		\$2,110	\$2,110
	Engineering		\$6,330	\$6,330
	Construction		\$42,200	\$42,200
	Construction Management/Inspection		\$6,330	\$6,330
	Total	\$0	\$60,000	\$60,000

Rancho Murieta Community Services District

Project Name: Sludge Drying Bed Motorized Valve

Job Number: 17-2-13

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
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1	Demo	1	LS	\$2,000.00	\$2,000.00
2	Materials	1	LS	\$30,000.00	\$30,000.00
3	Mobilization (10%)	1	LS	\$3,200.00	\$3,200.00

Subtotal \$35,200.00

20% Contingency \$7,040.00

Total Construction Cost \$42,240.00

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

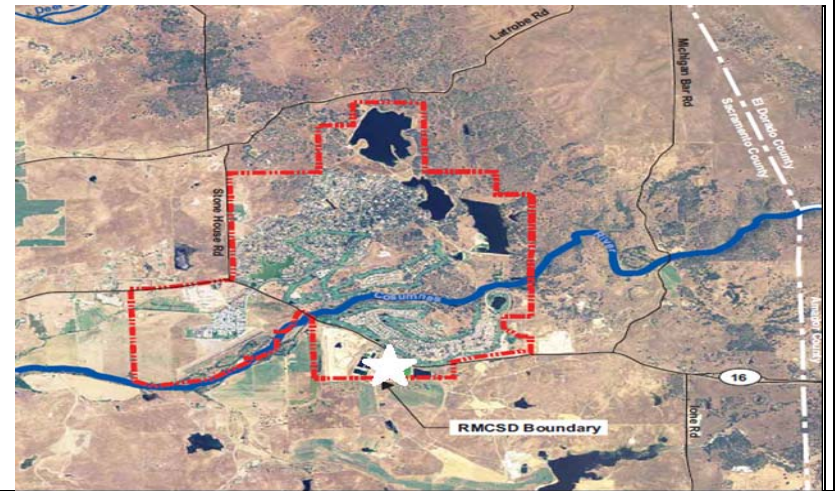
Project Number:	17-2-14	Project Name:	Yellow Bridge Sewer Force Main Improvements
Location:	Yellow Bridge	Project Type:	Wastewater

Description: Mechanical Plumbing Modifications

Yellow Bridge

Justification: Facility Improvement

Notes: Sewer collection system reliability due to system expansion triggered by growth



	<i>Item</i>	<i>Previous Expenditures</i>	<i>Cost Estimate</i>	<i>Total</i>
PROJECT COST	Project Administration		\$5,940	\$5,940
	Planning/Environmental		\$5,940	\$5,940
	Engineering		\$17,820	\$17,820
	Construction		\$118,800	\$118,800
	Construction Management/Inspection		\$17,820	\$17,820
	Total	\$0	\$167,000	\$167,000

Rancho Murieta Community Services District

Project Name: Force Main Modification

Job Number: 17-2-14

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
1	Demolition	1	LS	\$5,000.00	\$5,000.00
2	Vault	1	LS	\$10,000.00	\$10,000.00
3	Sewer Force Main Modifications	1	LS	\$45,000.00	\$45,000.00
4	Recycled Water Line Modifications	1	LS	\$30,000.00	\$30,000.00
5	Mobilization (10%)	1	LS	\$9,000.00	\$9,000.00

Subtotal \$99,000.00

20% Contingency \$19,800.00

Total Construction Cost \$118,800.00

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

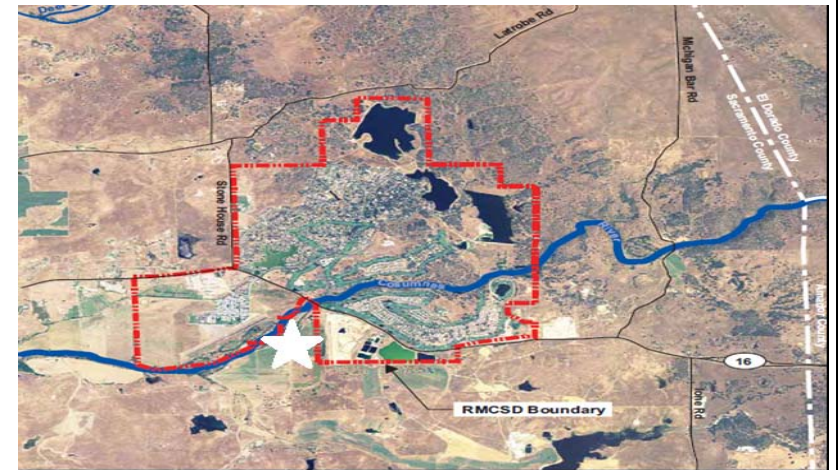
Project Number:	17-2-15	Project Name:	Anderson Ranch Spray Field 4
Location:	Anderson Ranch Fields	Project Type:	Sewer

Description: Wastewater Disposal Capacity for Peak Year Flows

Justification: Facility Expansion

Notes:

Rancho Murieta Community Services District



	Item	Previous Expenditures	Cost Estimate	Total
PROJECT COST	Administration/Management		\$44,500	\$44,500
	Planning/Environmental		\$44,500	\$44,500
	Engineering/Right-of-Way		\$89,000	\$89,000
	Construction		\$890,000	\$890,000
	Construction Management/Inspection		\$111,250	\$111,250
	Total	\$0	\$1,179,250	\$1,179,250

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

Project Number:	17-2-11	Project Name:	Commercial Area Drainage Slide Gate Automation
Location:	Commercial District	Project Type:	Drainage

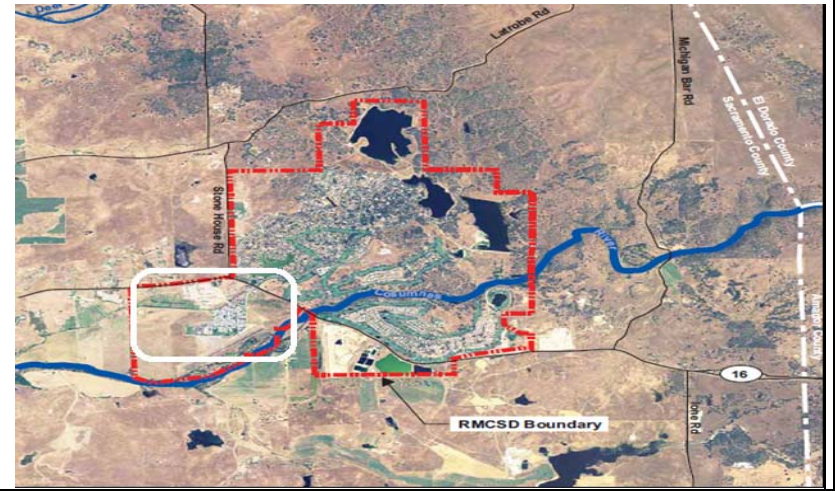
Description: Construction/Installation of an Automated Slide Gate

Commercial District

Justification: Regulatory

Notes: Flood Protection

	<i>Item</i>	<i>Previous Expenditures</i>	<i>Cost Estimate</i>	<i>Total</i>
PROJECT COST	Adminstration/Management		\$1,980	\$1,980
	Planning/Environmental		\$1,980	\$1,980
	Engineering		\$5,940	\$5,940
	Construction		\$39,600	\$39,600
	Construction Management/Inspection		\$5,940	\$5,940
	Total	\$0	\$55,440	\$55,440



Rancho Murieta Community Services District
Project Name: Commercial Area Drainage Slide Gate Automation
Job Number: 17-2-11

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
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1	Lift Motor	1	LS	\$5,000.00	\$5,000.00
2	Electrical Controls & Autodialer	1	LS	\$5,000.00	\$5,000.00
3	Electrical Service and Service Conduits	1	LS	\$20,000.00	\$20,000.00
4	Mobilization (10%)	1	LS	\$3,000.00	\$3,000.00

	Subtotal	\$33,000.00
	20% Contingency	\$6,600.00
	Total Construction Cost	\$39,600.00

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

Project Number:	17-2-12	Project Name:	Stormwater Monitoring Testing Equipment
Location:	Maintenance Equipment	Project Type:	Drainage

Description: Purchase of Stormwater Monitoring and Testing Equipment

Rancho Murieta Community Services District

Justification: Regulatory

Notes: Regulatory - NPDES Stormwater Quality Monitoring



	Item	Previous Expenditures	Cost Estimate	Total
PROJECT COST	Administration/Management		\$1,560	\$1,560
	Planning/Environmental		\$1,560	\$1,560
	Engineering		\$4,680	\$4,680
	Construction		\$31,200	\$31,200
	Construction Management/Inspection		\$4,680	\$4,680
	Total	\$0	\$43,680	\$43,680

Rancho Murieta Community Services District

Project Name: Stormwater Monitoring Testing Equipment

Job Number: 17-2-12

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
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1	Portable Sampling Device	1	LS	\$4,000.00	\$4,000.00
2	Portable Turbidity Meter	1	LS	\$5,000.00	\$5,000.00
3	Portable Chemical Analyzer	1	LS	\$8,000.00	\$8,000.00
4	Misc. Apurtenances	1	LS	\$5,000.00	\$5,000.00
5	Staff Training	2	EA	\$2,000.00	\$4,000.00

Subtotal \$26,000.00

20% Contingency \$5,200.00

Total Construction Cost \$31,200.00

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

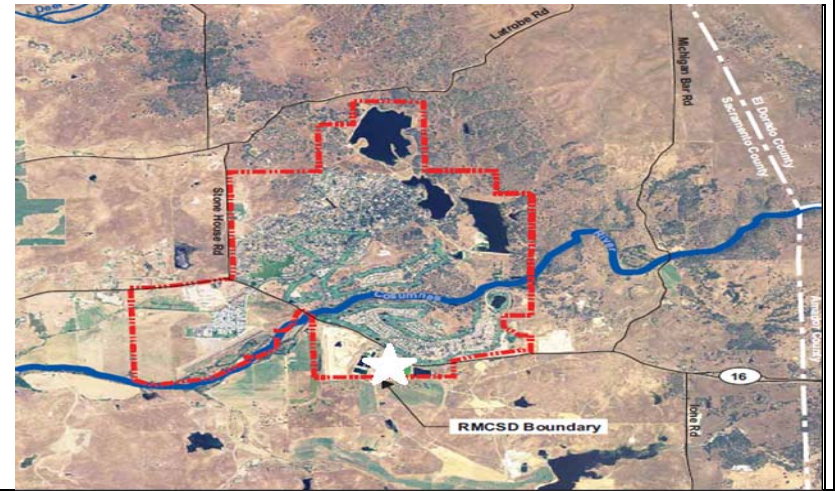
Project Number:	17-2-16	Project Name:	Trash Containment Structures
Location:	Throughout District	Project Type:	Drainage

Description: Screening Structures

Throughout District

Justification: Regulatory

Notes: Regulatory - NPDES Stormwater



	<i>Item</i>	<i>Previous Expenditures</i>	<i>Cost Estimate</i>	<i>Total</i>
PROJECT COST	Project Administration		\$4,090	\$4,090
	Planning/Environmental		\$4,090	\$4,090
	Engineering		\$12,270	\$12,270
	Construction		\$81,800	\$81,800
	Construction Management/Inspection		\$12,270	\$12,270
	Total	\$0	\$115,000	\$115,000

Rancho Murieta Community Services District

Project Name: Trash Containment Structures

Job Number: 17-2-16

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
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1	Structures	10	EA	\$5,000.00	\$50,000.00
2	Mechanical Plumbing Modifications	10	EA	\$1,200.00	\$12,000.00
3	Mobilization (10%)	1	LS	\$6,200.00	\$6,200.00

Subtotal \$68,200.00

20% Contingency \$13,640.00

Total Construction Cost \$81,840.00

**Rancho Murieta Community Services District
Capital Improvement Program**

PROJECT DATA FORM

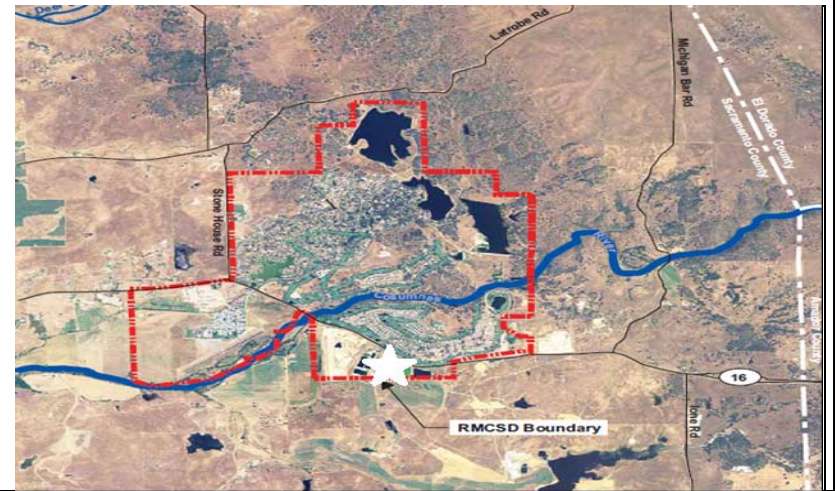
Project Number:	17-4-01	Project Name:	District Administration Building Remodel/Expansion
Location:	District Administration Building	Project Type:	Administrative

Description: Construction of New District Headquarters

District Headquarters

Justification: Facility Improvement

Notes: Additional Support Staff & Expanded Meeting Room



	<i>Item</i>	<i>Previous Expenditures</i>	<i>Cost Estimate</i>	<i>Total</i>
PROJECT COST	Project Administration		\$14,320	\$14,320
	Planning/Environmental		\$14,320	\$14,320
	Engineering		\$42,960	\$42,960
	Construction		\$286,400	\$286,400
	Construction Management/Inspection		\$42,960	\$42,960
	Total	\$0	\$400,960	\$400,960

Rancho Murieta Community Services District
Project Name: District Administration Building Remodel/Expansion
Job Number: 17-4-01

Engineer's Estimate of Probable Cost

Item No.	Item Description	Estimated Quantity	Unit of Measure	Unit Cost	Item Total
1	Building Expansion	4,000	SF	\$35.00	\$140,000.00
2	Electrical/Mechanical Plumbing Modifications	1	LS	\$50,000.00	\$50,000.00
3	Site Work	1	LS	\$15,000.00	\$15,000.00
4	Furniture	1	LS	\$12,000.00	\$12,000.00
5	Mobilization (10%)	1	LS	\$21,700.00	\$21,700.00

Subtotal \$238,700.00

20% Contingency \$47,740.00

Total Construction Cost \$286,440.00

MEMORANDUM

Date: September 5, 2017
To: Board of Directors
From: Improvements Committee Staff
Subject: Consider Approval of Quote from D. Martinez Construction for Repairs to the James L. Noller Safety Center

RECOMMENDED ACTION

Approve the proposal from D. Martinez Construction for repairs to the James L. Noller Safety Center in an amount not to exceed \$16,154. Funding to come from Security Reserves.

BACKGROUND

The Safety Center is showing significant wear due to its age and weathering. The exterior of the building has dry rot, missing and/or broken trim boards, and a leaking roof. This should be addressed before the rainy season starts.

We received multiple bids and D Martinez Construction was selected for the project. The attached bid meets the *prevailing wage rate* required by the District.

As of August 31, 2017, the Security Replacement Reserves balance is \$164,432.74.

The Improvements Committee recommends approval.



D. Martinez Construction

2945 Grayson Way – Rancho Cordova, CA. 95670 – License # 947800
916-366-3911 or Cell 415-608-3790 – e-mail dmartconstruction@yahoo.com

Construction Contract August 4, 2017

This Construction Contract is entered into by and between D. Martinez Construction and Rancho Murrieta CSD James R Noller Safety Center Attn: Suzanne, whose address is 15160 Jackson Rd., Rancho Murrieta, CA 95683 95683 916-354-3700

“You are entitled to a completely filled in copy of this agreement, signed by both you and the contractor, before any work may be started.”

Description of the Project and Description of the Significant Materials to be used and Equipment to be installed.

Contractor will furnish all labor, equipment, supervision, and contract administration to complete in a good and workmanlike manner the following:

Exterior repairs and painting to the Safety Center

Including complete cleanup and removal of debris and materials.

Description of Materials and equipment

The materials and equipment to be used in the construction of the Project are as follows:

Exterior of Safety Center

Roof:

- Power Wash
- Patch leaks
- Apply rubber coating

Siding:

- Replace approximately 20 sheets of siding
- Replace trim around windows and doors
- Replace upper and lower band

Primer and Paint exterior of building to match admin. Building

- Safety center exterior body
- Trim
- Rails
- Ramp

Owner shall pay Contractor the fixed sum of \$ 16,154.00 (prevailing wage rate) for the work to be performed under this contract, subject to additions and deductions pursuant to change orders agreed upon in writing by the parties.

Payments

Down payment in the amount of \$ 6,154.00

Schedule of progress payments:

Balance due upon completion \$ 10,000.00

Approximate Start and Completion of project

The work to be performed under this Contract shall be commenced approximately, upon an agreeable date and be completed by approximately two weeks for completion, subject to permissible delays as defined in this contract.

Permissible delays

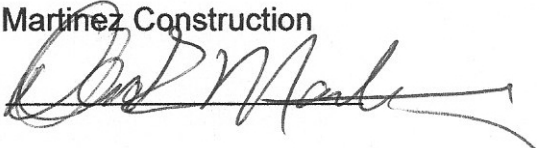
Permissible delays will be defined by delays that are under no control of contractor, for examples acts of God, manufacture delays, weather conditions, scheduling conflicts, etc.

Warranties

One year on workmanship

Acceptance of Contract

D. Martinez Construction

By 

Property Owner

By _____

Date: August 4, 2017

Date: _____

"THREE-DAY" RIGHT TO CANCEL"

"You, the buyer, have the right to cancel this contract within three business days." You may cancel by e-mailing, mailing, faxing, or delivering a written notice to the contractor at the contractor's place of business by midnight of the third business day after you received a signed and dated copy of the contract that includes this notice. Include your name, your address, and the date you received the signed copy of the contract and this notice.

If you cancel, the contractor must return to you anything you paid within 10 days of receiving the notice of cancellation. For your part, you must make available to the contractor at your residence, in substantially as good condition as you received it, any goods delivered to you under this contract or sale. Or, you may, if you wish, comply with the contractor's instructions on how to return the goods at the contractor's expense and risk. If you make the goods available to the contractor and the contractor does not pick them up within 20 days of the date of your notice of cancellation, you may keep them without any further obligation. If you fail to make the goods available to the contractor, or if you agree to return the goods to the contractor and fail to do so, then you remain liable for performance of all obligations under the contract."

"The law requires that the contractor give you a notice explaining your right to cancel. Initial the check box if the contractor has given you a "Notice of the Three-Day Right to Cancel."

Signature _____

Date _____

“NOTE ABOUT EXTRA WORK AND CHANGE ORDERS.”

“Extra Work and Change Orders become part of the contract once the order is prepared in writing and signed by the parties prior to the commencement of any work covered by the new change order. The order must describe the scope of the extra work of change. The cost to be added or subtracted from the contract, and the effect the order will have on the schedule of progress payments.”

“MECHANICS LIEN WARNING.”

“Anyone who helps improve your property, but who is not paid, may record what is called a mechanics’ lien on your property. A mechanics’ lien is a claim, like a mortgage or home equity loan, made against your property and recorded with the county recorder.

Even if you pay your contractor in full, unpaid subcontractors, suppliers, and laborers who helped to improve your property may record mechanics’ liens and sue you in court to foreclose the lien. If a court finds the lien is valid, you could be forced to pay twice or have a court officer sell your home to pay the lien. Liens can also affect your credit.

To preserve their right to record a lien, each subcontractor and material supplier must provide you with a document called a “20-day Preliminary Notice.” This notice is not a lien. The purpose of the notice is to let you know that the person who sends you the notice has the right to record a lien on your property if he or she is not paid.

BE CAREFUL. The preliminary notice can be sent up to 20 days after the subcontractor starts work or the supplier provides material. This can be a big problem if you pay your contractor before you have received the Preliminary Notices. You will not get Preliminary notices from your prime contractor or from laborers who work on your project. The law assumes that you already know they are improving your property.

PROTECT YOURSELF FROM LIENS. You can protect yourself from liens by getting a list from your contractor of all the subcontractors and material suppliers that work on your project. Find out from your contractor when these subcontractors started work and when these suppliers delivered goods or materials. Then wait 20 days, paying attention to the Preliminary Notices you receive.

PAY WITH JOINT CHECKS. One way to protect yourself is to pay with a joint check. When your contractor tells you it is time to pay for the work of a subcontractor or supplier who has provided you with a Preliminary Notice, write a joint check payable to both the contractor and the subcontractor or material supplier.

For other ways to prevent liens, visit CSLB’s website at www.cslb.ca.gov or call CSLB at 1-800-321-CSLB (2752).

Remember, if you do nothing, you risk having a lien placed on your home. This can mean that you may have to pay twice, or face the forced sale of your home to pay what you owe.”

“COMMERCIAL GENERAL LIABILITY INSURANCE (CGL.)”

“D. Martinez Construction” carries commercial general liability insurance. You may call Triton of Calif. Insurance Services, Inc. at 916-485-1705 to check the contractor’s insurance coverage.”

“WORKERS COMPENSATION INSURANCE”

“D. Martinez Construction carries workers’ compensation insurance for all employees”

“INFORMATION ABOUT THE CONTRACTORS STATE LICENSE BOARD (CSLB)”

“CSLB is the state consumer protection agency that licenses and regulates construction contractors. Contact CSLB for information about the licensed contractor you are considering, including information about disclosable complaints, disciplinary actions and civil judgments that are reported to CSLB. Use only licensed contractors. If you file a complaint against a licensed contractor within the legal deadline (usually four years), CSLB has authority to investigate the complaint. If you use an unlicensed contractor, CSLB may not be able to help you resolve your complaint. Your only remedy may be in civil court, and you may be liable for damages arising out of any injuries to the unlicensed contractor or the unlicensed contractor’s employees.

For more information:

Visit CSLB’s website at www.cslb.ca.gov

Call CSLB at 1-800-321-CSLB (2752)

Write CSLB at P.O. Box 26000, Sacramento, CA. 95826”

MEMORANDUM

Date: September 13, 2017
To: Board of Directors
From: Security Committee Staff
Subject: Approve Quote from Motorola Solutions for the Purchase of Motorola Portable Radios for the Security Department

RECOMMENDATION ACTION

Approve the purchase of five (5) new *Motorola APX-1000* portable radios and their desktop charging stations from Motorola Solutions, in an amount not to exceed \$12,376.27, including tax. Funding to come from the Security Replacement Reserves.

BACKGROUND

The *Motorola MTS2000* portable radios our Security Officers presently use are nearing the end of their service life. Many of the radios are no longer functional and the remaining units functioning marginally. Our current radios will no longer have manufacturer support after next year and are not compliant with the FCC's new P25 "standard" for 800Mhz radios. The new portable radios will have the same channels and capabilities as the radios presently in use, but will have the added advantage of being able to communicate with the other public agencies in the region who have already switched over to the P25 version.

The quote also includes the quote to program the radios to specification, per the standard programming layout for Rancho Murieta. Originally, the quote for the programming of the radios was a separate quote. After the Security Committee Meeting, Interim Chief Mobley was able to get Motorola Solutions to combine the two (2) quotes. See attached quote.

As of August 31, 2017, the Security Replacement Reserves balance is \$164,432.74.

The Security Committee recommends approval.



Quote Number: QU0000413222

Effective: 22 AUG 2017

Effective To: 21 SEP 2017

Bill-To:

RANCHO MURIETA CSD
15160 JACKSON RD
RANCHO MURIETA, CA 95683
United States

Attention:

Name: Steve Mobley
Email: Smobley@ranchomurieta.csd.com

Sales Contact:

Name: Brian Wahl
Email: Brian.Wahl@motorolasolutions.com
Phone: 312-718-4635

Contract Number: HGAC
Freight terms: FOB Destination
Payment terms: Net 30 Due

Item	Quantity	Nomenclature	Description	List price	Your price	Extended Price
1	5	H84UCF9PW6AN	APX 1000 7/800 MHZ MODEL 2 PORTABLE	\$1,597.00	\$1,197.75	\$5,988.75
1a	5	H885BK	ADD: 3 YEAR SERVICE FROM THE START LITE	\$90.00	\$90.00	\$450.00
1b	5	G996AZ	ADD: PROGRAMMING OVER P25 (OTAP)	\$100.00	\$75.00	\$375.00
1c	5	QA04096AA	ENH: P25 TRUNKING	\$1,070.00	\$802.50	\$4,012.50
2	5	PMPN4174A	CHGR DESKTOP SINGLE UNIT IMPRES, US/NA	\$69.25	\$51.94	\$259.70
3	5	PMMN4065A	MICROPHONE,IMPRES RSM, IP57	\$106.70	\$80.03	\$400.15

Estimated Tax Amount \$890.17

Total Quote in USD \$12,376.27

THIS QUOTE IS BASED ON THE FOLLOWING:

1 This quotation is provided to you for information purposes only and is not intended to be an offer or a binding proposal.

If you wish to purchase the quoted products, Motorola Solutions, Inc. ("Motorola") will be pleased to provide you with our standard terms and conditions of sale (which will include the capitalized provisions below), or alternatively, receive your purchase order which will be acknowledged.

Thank you for your consideration of Motorola products.

- 2 Quotes are exclusive of all installation and programming charges (unless expressly stated) and all applicable taxes.
- 3 Purchaser will be responsible for shipping costs, which will be added to the invoice.
- 4 Prices quoted are valid for thirty(30) days from the date of this quote.
- 5 Unless otherwise stated, payment will be due within thirty days after invoice. Invoicing will occur concurrently with shipping.

MOTOROLA DISCLAIMS ALL OTHER WARRANTIES WITH RESPECT TO THE ORDERED PRODUCTS, EXPRESS OR IMPLIED INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

MOTOROLA'S TOTAL LIABILITY ARISING FROM THE ORDERED PRODUCTS WILL BE LIMITED TO THE PURCHASE PRICE OF THE PRODUCTS WITH RESPECT TO WHICH LOSSES OR DAMAGES ARE CLAIMED. IN NO EVENT WILL MOTOROLA BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

MEMORANDUM

Date: September 19, 2017
To: Board of Directors
From: Improvements Committee Staff
Subject: Consider Acceptance of Apparent Low Bid and Consider Contract Award to Bradley & Sons, Inc., for the Emergency Well Project

RECOMMENDED ACTION

Approve bid from Bradley & Sons, Inc. for the Emergency Well Project drilling of well, in an amount not to exceed \$319,088. Funding to come from Water Augmentation Reserves.

BACKGROUND

Bids were received and opened on July 21, 2017 after 11:30 a.m., read aloud, and recorded. Seven (7) bids were received. The lowest base bid came from Bradley & Sons Inc. The lowest base bid plus alternative bid also came from Bradley and Sons, Inc. This bid is to drill one (1) well at the most probable site for water, designated in all prior studies as TH-B, located on the Anderson Ranch, west of the airport, and north of the river at a borehole depth of 350'. The bids received are listed in the table below.

<u>Company</u>	<u>Base Bid Price</u>	<u>Alternate Bid Price</u>	<u>Total with Alt. Bid</u>
Bradley & Sons Inc.	\$198,725	\$91,355	\$290,080
Nor-Cal Pump & Well Drilling	\$204,491	\$153,837	\$358,328
Well Industries Inc., dba Northstate Drilling	\$223,115	\$144,950	\$368,065
Maggiore Bros Drilling, Inc.	\$239,705	\$85,443	\$325,148
Eaton Drilling Co. Inc.	\$261,395	\$155,325	\$416,720
Zim Industries	\$279,140	\$147,145	\$426,285
Cascade Drilling, L.P	\$493,215	\$225,265	\$718,480

* Awarding of the bid was specified in the bid packet as being based on the base bid items.

Awarding of the project was predicated on the District receiving a Right of Entry Agreement or ownership for the proposed well site.

For the long term viability of the well, it is recommended that the alternate bid items for stainless steel be included. As the window of opportunity is relatively short for this project, staff recommends awarding the project to Bradley and Sons Inc. for the base bid plus all alternative items, as well as a ten percent (10%) contingency, to cover all potential costs for the awarded contractor for this project to avoid any potential delays with additional approvals. Should we proceed and a contract be awarded, we would approve only the base bid plus the stainless steel items. Any costs needing an alternative item or be from contingency would have to be approved by the General Manager and would be conveyed to the Board and public in the project updates.

The Improvements Committee recommends approval.

MEMORANDUM

Date: September 14, 2017
To: Board of Directors
From: Mark Pecotich, Board President
Subject: Consider Approval of General Manager Employment Agreement

RECOMMENDED ACTION

Approve the proposed General Manager Employment Agreement with Mark Martin, effective October 1, 2017.

BACKGROUND

At the August 16, 2017 Regular Board meeting, the Board of Directors met in closed session and reached a tentative decision to hire Mark Martin as the District's new General Manager and provided instructions to the Board President regarding negotiations of an employment agreement with the candidate. Consistent with that direction, the Board President and prospective General Manager have reached agreement on the terms of the agreement, all subject to approval by the Board. The proposed agreement is attached. The key provisions of the agreement are as follows:

- The General Manager's annual salary is \$165,000 per year.
- Vacation accrual rate will start at 120 hours per year
- Vehicle allowance of \$500 a month which is in lieu of payment of any mileage reimbursement.
- All other employee benefits (including sick leave; retirement system membership and employer and employee contributions; deferred compensation investment opportunities; employee and dependent coverage on health, dental and other group insurance programs) as provided for regular full-time District employees under the District Personnel Manual (as the same may be amended by District from time to time) and other applicable employment and benefit policies, but not including overtime or compensatory time off benefits.

Provided these terms are acceptable to the Board, it is recommended that the Board approve the General Manager's employment agreement in the form presented, and that the Board authorize the Board President to sign the contract on behalf of the District.

District Counsel has reviewed and approved the agreement as to form.

**RANCHO MURIETA COMMUNITY SERVICES DISTRICT
GENERAL MANAGER EMPLOYMENT AGREEMENT**

THIS AGREEMENT is entered into on September 6, 2017, by and between the Rancho Murieta Community Services District, a public agency ("District"), and Mark Martin, an individual ("Employee"), who agree as follows:

- 1. Employment.** District appoints and employs Employee as General Manager of the District, and Employee accepts such employment, on and subject to the terms and conditions of this Agreement.
- 2. Term.** This Agreement will take effect on the above date and terminate on October 31, 2020, unless sooner terminated as provided in section 9 or extended by mutual written agreement of the parties. Extension of the Agreement by District requires approval by its Board of Directors. Employee will begin work on September 30, 2017. Employee serves at the pleasure of the District Board of Directors (see Government Code section 61050(d)) and the Board therefore may terminate Employee's employment at any time as provided by section 9.
- 3. Duties.** Employee's duties under this Agreement will be those duties and responsibilities that are (a) assigned to the office of the General Manager in the Community Services District Law, (b) listed on the job description for the General Manager position as adopted and amended from time to time by the District Board of Directors, (c) described in the District Code and District ordinances, resolutions and policies, and (d) otherwise assigned or directed by the Board of Directors. The current job description is attached as Exhibit A. Employee will be the chief executive officer of District and work under the direction and control of the Board of Directors. Employee also will serve as District Treasurer (sometimes referred to in District governing documents as Finance Officer). Employee at all times will act in the best interests of the District and perform his duties in a competent and professional manner.
- 4. Hours.** Employee acknowledges that the General Manager position is a full-time management position and he agrees to devote his full time, attention and energies to the job duties and be available to work at such times as appropriate to fully and competently perform the duties of the position, regardless of the number of hours or time of day or week involved. Employee acknowledges that the duties of the position may require an average of more than 40 hours per week, and that some day-to-day hours may vary from well above eight hours (for example on a Board meeting day) to below eight hours. Employee will not be compensated for overtime hours worked or otherwise earn or be entitled to compensatory time off for hours worked in excess of eight hours per day or 40 hours per week.
- 5. Outside Employment and Activities.** Employee will not engage in any conduct, other employment or business, commercial or professional pursuits, whether for compensation or otherwise, that would interfere with his responsibilities and duties to District or that would reflect unfavorably upon the interests of District. Any outside employment, consulting or business conducted by Employee during the term of this Agreement requires the prior approval of the District Board of Directors.
- 6. Compensation.** For all services to be rendered by Employee under this Agreement, District will provide the following salary and benefits:

- a. Salary in the amount of \$165,000 per year. Salary will be paid at the times and in the manner as provided by District's standard payroll practices. The District Board of Directors may, at any time during the term of this Agreement, increase General Manager's salary.
- b. Reimbursement of actual and reasonable fees and costs for publications, subscriptions, journals, membership in job-appropriate professional organizations, and attendance at job-appropriate professional and continuing education conferences.
- c. Administrative leave of up to 40 hours per calendar year.
- d. For purposes of Employee's vacation accrual, Employee will start with an assumed credit of ten years of completed continuous employment with District, such that Employee will begin with 120 hours of paid vacation per year. Additional vacation will accrue pursuant to the District Personnel Manual.
- e. Car allowance in the amount of \$500 per month. The allowance covers all business-related vehicle transportation expenses for Employee (except for authorized out-of-town vehicle rentals). This payment is in lieu of payment of any mileage reimbursement for business-related use of Employee's personal vehicle. This payment will not be reported to the California Public Employees' Retirement System as compensation for pension calculation purposes.
- f. Other employee benefits (including sick leave; retirement system membership and employer and employee contributions; deferred compensation investment opportunities; employee and dependent coverage on health, dental and other group insurance programs) as provided for regular full-time District employees under the District Personnel Manual (as the same may be amended by District from time to time) and other applicable employment and benefit policies, but not including overtime or compensatory time off benefits.

7. Other Terms and Conditions of Employment. Employee's employment will be governed by the District Personnel Manual (as the same may be amended by District from time to time) and the parties will comply with all applicable provisions of the Personnel Manual. If any term or condition of this Agreement is inconsistent or in conflict with a term or condition of the Personnel Manual, the Agreement will govern. If any term or condition of this Agreement is inconsistent or in conflict with a federal or state law, the law will govern.

8. Ownership of Documents. Every document, report, study, spreadsheet, worksheet, plan, blueprint, specification, drawing, map, photograph, computer model, computer disk, magnetic tape, CAD data file, computer software and any other writing or thing prepared by Employee during the term of employment (the "Work") will be the property of District. District will have the right to use, modify, reuse, reproduce, publish, display, broadcast and distribute the Work and prepare derivative and additional documents or works based on the Work without further compensation to or permission from Employee.

9. Termination. This Agreement may be terminated prior to its expiration date in any one of the following ways:

- a. By mutual agreement of the parties, expressed in writing.

b. By Employee, upon giving to District at least 90 days prior written notice of his election to resign from employment and terminate this Agreement.

c. By the death of Employee.

d. By Employee's service or disability retirement.

e. By District, for cause, upon giving to Employee written notice of immediate termination. The written notice of termination will specify (1) the particular cause(s) and the facts and circumstances justifying the termination of the Agreement for cause, and (2) the opportunity of Employee to meet with the District Board of Directors on the reasons for the termination. If Employee requests a meeting, the meeting will be held at the Board's earliest convenience in a closed session, unless Employee requests an open session. After the meeting, the Board may affirm, modify or reverse its decision to terminate for cause. For purposes of this Agreement, the following will justify termination for cause: willful breach of duty; habitual neglect of duty; gross insubordination; conviction of a crime involving moral turpitude; conduct that makes it impossible or impracticable to perform the duties under this Agreement or that seriously impedes District operations; conduct that tends to bring discredit to District; conduct unbecoming an employee in public service; mishandling of District funds; any intentional misrepresentation or fraud in connection with the performance of his duties; theft of District property; violation of law; any misrepresentation by Employee in connection with his application for employment, including representations made on Employee's resume that was provided to District; any violation of the District Personnel Manual; or, material breach of this Agreement.

f. By District, without cause, upon giving to Employee notice of immediate termination and payment of severance pay in an amount equal to Employee's then monthly salary multiplied by six months.

10. Suspension. The District Board of Directors may suspend Employee with full pay and benefits at any time and for any reason during the term of this Agreement.

11. Performance Evaluation. The District Board shall perform an annual evaluation of Employee's job performance that will include a Board appraisal of the Employee's performance and a 360 evaluation (i.e., an opportunity for a group of coworkers to provide feedback on an employee's performance).

12. Entire Agreement. The parties intend this writing to be the sole, final, complete, exclusive and integrated expression and statement of the terms of their contract concerning the subject matter addressed in the Agreement. This Agreement supersedes all prior oral or written negotiations, representations, contracts or other documents that may be related to the subject matter of this Agreement, except those other documents that may be expressly referenced in this Agreement.

13. Notices. Any notice to be given to Employee will be sufficiently served if given to him personally or if deposited in the United States Mail, regular pre-paid mail, addressed to Employee at his most recent residence address as shown on the District payroll records. Any notice to be given to District must be addressed to the District Board of Directors and delivered or mailed to the District Secretary at the District offices.

14. Successors and Assigns. This Agreement is personal to Employee. He may not transfer or assign the Agreement or any part of it. Subject to this restriction on transfer and assignment, this Agreement will bind, and inure to the benefit of, the successors, assigns, heirs and legal representatives of the parties.

15. Amendment. This Agreement may be amended only by a subsequent writing approved and signed by both parties. Any amendment by District must be approved by the District Board of Directors at a noticed public meeting. Individual directors do not have the authority, express or implied, to amend, modify, extend, or in way alter this Agreement or the terms and conditions of Employee's employment.

16. Waiver. The waiver at any time by either party of its rights with respect to a default or other matter arising in connection with this Agreement will not be deemed a waiver with respect to any subsequent default or matter.

17. Construction and Interpretation. The parties agree and acknowledge that this Agreement has been arrived at through negotiation and that each party has had a full and fair opportunity to revise the terms of this Agreement. Consequently, the normal rule of construction that any ambiguities are to be resolved against the drafting party will not apply in construing or interpreting this Agreement.

18. Governing Law and Venue. Except as otherwise required by law, this Agreement will be interpreted, governed by, and construed under the laws of the State of California. The County of Sacramento will be venue for any state court litigation and the Eastern District of California will be venue for any federal court litigation concerning the enforcement or construction of this Agreement.

EMPLOYER

EMPLOYEE

Mark Pecotich, President



Mark Martin

Attest:

Suzanne Lindenfeld, Board Secretary

EXHIBIT A

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

GENERAL MANAGER

DEPARTMENT: ADMINISTRATION

FLSA OVERTIME STATUS: EXEMPT
BARGAINING UNIT: N/A

APPROVED BY BOARD OF DIRECTORS – 12-17-2014

SUMMARY: In charge of the administrative, legal, engineering, operations, and financial activities of the District; represent the Board's policies and programs with employees, community organizations, and the general public; review budget requests and make recommendations to the Board on final expenditure levels; responsible for employer-employee relations; responsible for development, maintenance, and improvement of District facilities and services; and perform other related duties as required. Interact with county/state/federal agencies to achieve District objectives.

SUPERVISION: Under administrative direction of the Board of Directors. Direct supervision to department heads.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

- Serves as chief executive officer for the District; sets vision and implements long range Board established goals for District;
- provides advice and consultation on the development and operation of District services, functions, and policies;
- oversees the preparation of the annual budget, making recommendations to the Board on final expenditure levels; reviews and approves purchase order and budget requests;
- coordinates the preparation of the agenda for Board of Directors' meetings.
- conducts a variety of special studies and surveys to determine effectiveness of District programs and services; maintains continuous awareness of administrative practices and recommends changes which increase the efficiency and economy of District operations and services;
- represents the Board's policies and programs with employees, community representatives, developers, and other government agencies;

- oversees the development and administration of capital improvement budgets and plans;
- directs personnel matters, including employment procedures, grievances, affirmative action, and employer-employee relations; oversees negotiations with bargaining groups;
- negotiates leases, agreements, and contracts; oversees and directs legal counsel;
- coordinates District engineering functions; confers with developers and contractors as necessary; serves as District representative with other public agencies.
- maintains media and public relations;
- Manage day to day operations of the District.

QUALIFICATION REQUIREMENTS:

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required.

Ability to plan, organize, direct, communicate, coordinate, and supervise the functions and activities of the organization to achieve efficient operations and meet service goals. Exercise leadership, authority, and management tactfully and effectively. Prepare and administer District budgeting and fiscal control processes. Collect and analyze data on a variety of topics, including compensation and other utility billing rates. Effectively organize and carry out public and media relations. Coordinate the preparation of Board agendas. Administer personnel and employer-employee relations programs. Oversee the development and improvement of District facilities and services. Provide advice and consultation to the Board of Directors on the development of ordinances, regulations, policies, and programs. Prepare comprehensive technical reports and recommendations. Effectively represent and implement District policies, programs, and services with employees, contractors, representatives of other agencies, and the public. Establish and maintain cooperative working relationships.

EDUCATION AND/OR EXPERIENCE:

Minimum Education: Undergraduate degree from an accredited four (4) year college or university with a major in Business Administration, Public Administration, Engineering or a closely related field.

Five (5) years of broad and extensive work experience in a management or administrative position in a private or public utility agency. Background should include responsibility for formulation and implementation of programs, budgets and administrative operations.

LICENSE AND/OR CERTIFICATES:

Possession of the category of California Driver's license required by the State Department of Motor Vehicles to perform the essential duties of the position. Continued maintenance of

a valid driver's license, insurability, and compliance with established District vehicle operation standards are a condition of continuing employment.

Possession of or obtain within 12 months of hire, National Incident Management System (NIMS) IS 100,200 and 700 training.

PHYSICAL DEMANDS:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.

While performing the duties of this job, the employee is regularly required to sit and talk or hear. The employee is occasionally required to stand, walk, stoop, kneel, or crouch.

Specific vision abilities required by this job include close vision, distance vision, peripheral vision, depth perception, and the ability to adjust focus.

WORK ENVIRONMENT:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

The noise level in the work environment is usually quiet.

COMMENTS:

Appointments to this position are made in accordance with California Government Code section 61240.

CONFERENCE/EDUCATION SCHEDULE

Date: September 15, 2017
To: Board of Directors
From: Suzanne Lindenfeld, District Secretary
Subject: Review Upcoming Conference/Education Opportunities

This report is prepared in order to notify Directors of upcoming educational opportunities. Directors interested in attending specific events or conferences should contact me to confirm attendance for reservation purposes. The Board will discuss any requests from Board members desiring to attend upcoming conferences and approve those requests as deemed appropriate.

Board members must provide brief reports on meetings that they have attended at the District's expense. (AB 1234). The upcoming conferences/educational opportunities include the following:

CALIFORNIA SPECIAL DISTRICT ASSOCIATION (CSDA)

CSDA Annual Conference	September 25-28, 2017	Monterey
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GOLDEN STATE RISK MANAGEMENT ASSOCIATION (GSRMA)

GSRMA 13 th Annual Training Conference	October 19-20, 2017	Corning
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ASSOCIATION OF CALIFORNIA WATER AGENCIES (ACWA)

No Information Currently Available on Upcoming Conferences.

WATER & PROCESS TECHNOLOGIES (GE)

17 th Annual Ultrafiltration User's Group Conference	September 17-19, 2017	Las Vegas
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AMERICAN WATER WORKS ASSOCIATION (AWWA)

AWWA Fall Conference	October 23 – 26, 2017	Reno
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AFC17 Committee Schedule

[RETURN TO CONFERENCE HOM](#)

Nearly all committee meetings take place on Monday, exceptions are noted below.

Monday, October 23, 2017

UTILITY MANAGEMENT DIVISION

10:00 AM - 10:30 AM	Communications & Customer Relations Committee
10:30 AM - 11:00 AM	Environmental Health & Safety Committee
11:00 AM - 12:30 AM	Financial Management Committee
1:00 PM - 2:00 PM	Leadership Development Committee
2:00 PM - 3:00 PM	New Technology Committee
3:00 PM - 4:00 PM	Security Emergency Planning Committee
4:00 PM - 5:00 PM	Utility Management Division

ENGINEERING DIVISION

10:00 AM - 11:00 AM	Asset Management Committee
11:00 AM - 12:00 PM	Engineering & Construction Committee
1:00 PM - 2:00 PM	Materials Performance Committee
2:00 PM - 3:00 PM	Pipeline Rehabilitation Committee
3:00 PM - 4:00 PM	Systems Control Technology
4:00 PM - 5:00 PM	Tanks, Reservoirs, and Structure Committee
5:00 PM - 6:00 PM	Engineering Division Meeting

OPERATORS DIVISION

10:00 AM - 11:00 AM	Operators Committee
11:00 AM - 12:00 PM	Backflow Program Committee
12:00 PM - 12:30 PM	Smaller Utilities Committee
1:00 PM - 2:00 PM	Competitions Committee
2:00 PM - 3:00 PM	Top Ops Challenge Committee
3:00 PM - 4:00 PM	Meter Committee
4:00 PM - 5:00 PM	Operators Division

WATER QUALITY DIVISION

10:00 AM - 11:00 AM	Distribution System Water Quality Committee
11:00 AM - 12:00 PM	Research Committee
1:00 PM - 2:00 PM	Safe Drinking Water Act Committee
2:00 PM - 3:00 PM	Source Water Quality Committee
3:00 PM - 4:00 PM	Water Treatment Committee
4:00 PM - 5:00 PM	Water Quality Analysis Committee
5:00 PM - 6:00 PM	Water Quality Division Meeting

WATER RESOURCES DIVISION

10:00 AM - 11:00 AM	Desalination & Recycled Water Committee
11:00 AM - 12:00 PM	Energy & Sustainability Committee
1:30 PM - 2:30 PM	Water Management & Efficiency Committee
2:30 PM - 3:30 PM	Water Well Technology Committee
3:30 PM - 4:30 PM	Water Resources Division

CERTIFICATION COMMITTEES

10:00 AM - 12:00 PM	Backflow Cross Connection Cert. Committee
12:00 PM - 1:00 PM	Water Operations Certification Committee
1:00 PM - 2:00 PM	Water Quality Laboratory Analyst Cert. Committee
2:00 PM - 3:00 PM	Water Use Efficiency Certification Committee
3:00 PM - 5:00 PM	Certification Board

PHILANTHROPY COUNCIL

10:00 AM - 11:00 AM	Water For People
11:00 AM - 12:00 PM	Scholarship Committee

1:00 PM - 2:00 PM Committee Engineering Corps.
2:00 PM - 3:00 PM Philanthropy Council Meeting

MEMBERSHIP ENGAGEMENT & DEVELOPMENT COUNCIL

10:00 AM - 11:30 AM Awards Committee
1:00 PM - 2:00 PM Young Professionals Committee
2:00 PM - 3:00 PM Student Chapter Committee
3:00 PM - 4:00 PM Woman's Networking Committee
4:00 PM - 5:00 PM Membership Engagement & Development Council

ADDITIONAL COMMITTEES

10:00 AM - 11:00 AM Past Chairs Committee
11:00 AM - 12:00 PM Water Loss Control Committee
1:00 PM - 2:00 PM Advanced Water Treatment Committee
2:00 PM - 3:00 PM Government Affairs Committee
3:00 PM - 4:00 PM Education Committee
6:00 PM - 6:30 PM Technical Programs Committee

TUESDAY, OCTOBER 24 COMMITTEE MEETINGS CONTINUED

1:30 PM - 2:30 PM Manufacturing & Associates Council (MAC)

WEDNESDAY, OCT. 25 COMMITTEE MEETINGS CONTINUED

TBD ACE18 Steering Committee

[Home](#)

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