



RANCHO MURIETA COMMUNITY SERVICES DISTRICT

15160 JACKSON ROAD
RANCHO MURIETA, CALIFORNIA 95683
916-354-3700
FAX – 916-354-2082

AGENDA

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

REGULAR BOARD MEETING

FEBRUARY 15, 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

Darlene J. Thiel	General Manager
Paul Wagner	Security Chief
Paul Siebensohn	Director of Field Operations
Eric Thompson	Controller
Suzanne Lindenfeld	District Secretary

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

FEBRUARY 15, 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. CLOSED SESSION
<i>Under Government Code Section 54956.9(d)(1): Conference with Legal Counsel Regarding existing litigation, M&R Investment One Company v. District.</i>

<i>Under Government Code 54957: Public Employee Performance Review: Title: General Manager.</i> | |
| 4. 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.</i>
TIMED ITEMS as specifically noted, such as Hearings or Formal Presentations of community-wide interest, will not be taken up earlier than listed. | 5:00 |
| 5. SPECIAL ANNOUNCEMENTS AND ACTIVITIES | |
| 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>

<i>If you wish to address the Board at this time or at the time of an agendized 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.</i> | |

- 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. January 16, 2017 Special Board Meeting Minutes – Board Goal Workshop
 2. January 18 2017 Regular Board Meeting Minutes
 3. January 30, 2017 Special Board Meeting Minutes – Recycled Water Workshop
 4. February 2, 2017 Security Committee Meeting Minutes
 5. February 2, 2017 Communications & Technology Committee Meeting Minutes
 6. February 7, 2017 Improvements Committee Meeting Minutes
 7. February 7, 2017 Finance Committee Meeting Minutes
 8. February 7, 2017 Personnel Committee Meeting Minutes
- 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**
- 10. CONSIDER APPROVAL OF PAYMENT OF ADDITIONAL COMPENSATION TO ROEBBELEN CONSTRUCTION MANAGEMENT SERVICES, INC. UNDER SEPTEMBER 18, 2013 AGREEMENT TO COVER ADDITIONAL COSTS TO CLOSEOUT ZENON ENVIRONMENTAL CORPORATION (dba GE WATER & PROCESS TECHNOLOGIES) CONTRACT FOR WATER TREATMENT PLANT EXPANSION PROJECT (Discussion/Action) (Motion) (Roll Call Vote) (5 min.)**
- 11. RECEIVE SECURITY DEPARTMENT ANNUAL REPORT - PRESENTATION BY PAUL WAGNER, SECURITY CHIEF (Receive and File) (15 min.)**
- 12. CONSIDER APPROVAL OF THE GENERAL MANAGER’S EMPLOYMENT AGREEMENT AMENDMENT 2 (Discussion/Action) (Motion) (Roll Call Vote) (5 min.)**
- 13. CONSIDER ADOPTION OF DISTRICT POLICY P2017-01, SUBMITTAL AND REVIEW OF BOARD GOALS (Discussion/Action) (Motion) (Roll Call Vote) (5 min.)**
- 14. CONSIDER ADOPTION OF DISTRICT POLICY P2017-02, DRUG AND ALCOHOL USE (Discussion/Action) (Motion) (Roll Call Vote) (5 min.)**
- 15. CONSIDER APPROVAL OF THE ADDITION OF AN OPERATOR IN TRAINING POSITION TO THE 2016/2017 FISCAL YEAR BUDGET (Discussion/Action) (Motion) (Roll Call Vote) (5 min.)**

16. **RECEIVE UPDATE ON THE 2017-2018 FISCAL YEAR BUDGET** (Discussion/Action) (15 min.)
17. **CONSIDER DISTRICT BOARD OF DIRECTORS AND/OR STAFF ATTENDING VARIOUS COMMUNITY MEETINGS** (Discussion/Action) (Motion) (5 min.)
18. **RECEIVE AND CONSIDER UPDATES** (Discussion/Action) (15 min.)
 - A. Parks Committee
 - B. Pending and Proposed Land Development Projects
19. **CONSIDER CONFERENCE/EDUCATION OPPORTUNITIES** (Discussion/Action) (Motion)
20. **REVIEW DISTRICT MARCH MEETING DATES/TIMES**
 - A. Security – March 2, 2017 at 4:00 p.m.
 - B. Communications – March 2, 2017 at 4:30 p.m.
 - C. Improvements – March 7, 2017 at 8:30 a.m.
 - D. Finance – March 7, 2017 at 9:00 a.m.
 - E. Personnel – March 7, 2017 at 10:00 a.m.
 - F. Budget Workshop – March 9, 2017 4:00 p.m. to 6:00 p.m.
 - G. Regular Board Meeting – March 15, 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 February 10, 2017. Posting locations are: 1) District Office; 2) Rancho Murieta Post Office; 3) Rancho Murieta Association; 4) Murieta Village Association.

RANCHO MURIETA COMMUNITY SERVICES DISTRICT
BOARD GOAL WORKSHOP
January 16, 2017 – 1:00 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 1:00 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 Darlene J. Thiel, General Manager; Paul Wagner, Security Chief; Paul Siebensohn, Director of Field Operations; Eric Thompson, Controller; and Suzanne Lindenfeld, District Secretary.

2. ADOPT AGENDA

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

3. COMMENTS FROM THE PUBLIC

Betty Ferraro requested the Board consider increasing the annual budget amount for midge fly treatments, have the Joint Security Committee meetings begin again, and the emergency evacuation plan be completed. Ms. Ferraro also asked that an update be provided regarding the stakeholder meetings the County held.

Larry Shelton requested the Board consider increasing the annual budget amount by \$4,000 for the midge fly treatments.

5. GOAL PLANNING

Review of 2016 Board Goals

No discussion.

Review of 2017 Dialogue Sheet

Darlene J. Thiel provided a summary of the goals listed on the dialogue sheet. Each Director provided input on their items on the 2017 dialogue sheet, their intent, and desired outcome. These categories included Water/Wastewater, Security, Community Relations, RMA/RMCC Relations, Employee Relations, Development, and District Board. During presentation of each goal suggestion, a short Board dialogue ensued. After much dialogue, the Board agreed on the following new goals.

GOAL #1:

Ensure District maintains a focus on future vision for successful delivery of service to the Rancho Murieta Community.

1. Update the 2011 Strategic Plan; Board approval by December 31, 2017.
2. Define, clarify, confirm District's role in community recreation services. Formalize District role in Recreation Services by developing and completing District Code Chapter 23, if needed. Check with County about District expectation related to parks and recreation.

GOAL #2:

Successfully manage water supply to meet Rancho Murieta Community needs.

1. Formally decide the need for augmentation via wells and proceed or formally terminate, removing all discussion from water plans.

GOAL #3:

Successfully manage recycled water supply to comply with Master Reclamation Permit and state regulations regarding use of reclaimed water.

1. Document a final approach for processing and distribution of reclaimed wastewater and implementation schedule; determine a timeframe for additional processing and/or storage. Develop a cost recovery approach for users, both short and long term (post 2018) and add to District Code.
2. Develop process/procedure for recycled water permit issuance; tie due date to the anticipated timeline of the Recycled Water System activation as determined in the Recycled Water System Pre-Design Report.

GOAL #4:

Manage aging infrastructure to ensure on-going provision of services to the Rancho Murieta Community.

1. Prepare 5-year capital replacement plan (water, sewer, drainage, security and administration) based on 2015 Reserve Study and recommend revision to reserve collection rates as needed for the 2017 Budget development process (needed by May 17, 2017). Develop 5 yr rolling CIP and CRP projections, with matching revenue availability estimates.
2. Update long-term plan for infrastructure (water, recycled water, sewer and drainage) inspection, repair or replacement by December 31, 2017.

GOAL #5:

Effectively manage District finances; identify reserve targets and funding plan to meet reserves to support facility replacements.

1. Complete Recycled Water Rate Study no less than 90 days prior to activation of Recycled Water System.
2. Address RMA financial obligation for Park water permit fees and related charges (pending finalization of Water Supply Augmentation and Capital Improvement fee study).
3. Thoroughly review reserve study. Develop overall best practices for approaching reserves and identify key impact items. Develop 5 yr rolling CIP and CRP projections, with matching revenue availability estimates.
4. Explore additional efficiencies associated with electronic commerce.
5. Plan for data security (protection of personal information).
6. Closeout WTP Project and document the future contributions required from FSA non-participants and other adjustments and when these payments are due.

GOAL #6:

Provide Security services to the community at a level that meets community needs and expectations.

1. Develop long term Security Master Plan by end of 2017 to address how to effectively provide security services as the Rancho Murieta Community grows in development of residential and

commercial properties. (Establish a phased security plan (10yr) to include technology and personnel based on the finding of the Security study. Determine whether consideration could/should be given to requesting an adjustment to the Security Tax for a mail-in vote or whether operational support can be provided from expanded residences, including commercial.)

2. Complete Security Surveillance Camera Plan by end of 2017.
3. Solidify and communicate the response/evacuation map by end of first quarter 2017.
4. Engagement with Sacramento County Supervisor and SSD to address uniformed officer need relative to commercial and residential growth.
5. Revitalize barcode improvements and clarifications – streamline barcode process for residents, explore gate entrance operations and responsibilities, evaluate potential efficiencies gained by changing oversight roles between District and RMA and address resident and business access for those outside of the north and south gates.

GOAL #7:

Provide Solid Waste services to the community at a level that meets community needs and expectations.

GOAL #8:

Effectively monitor and manage development impacts to the provision of District services.

1. Successfully complete and adopt Parks Operating Guidelines in cooperation with Parks Committee.
2. Monitor and participate in the County Planning process for the Rancho Murieta North proposed development project representing and protecting the District's interests and responsibilities.
3. Keep community informed of planning process as it relates to the Rancho Murieta North proposed development and District involvement. District's roles and responsibilities are most critical.
4. Address Exhibit E trail system as part of Parks Committee in preparation for proposed map delivery to Sacramento County with development plans.
5. Assure adequate design of infrastructure through thorough development and improvement plan review by independent consultants, including capacity analysis. To include storm drainage conveyance systems capacity. Collect CAD and GIS files of all plans and systems and maintain in records retention.

GOAL #9:

Maintain Community relationships by effective communications and responding to the needs of the community.

1. Conduct community outreach events on various District services throughout the year (target quarterly but no less than semi-annual events); water plant tours.
2. Develop and complete email communication strategy – provide residents important information regarding water use, wastewater use, solid waste pick-up, helpful conservation tips, and other valuable information to reduce costs and improve District customer service opportunities.

3. Joint Board planning.
4. Enhance community relations with more effective CSD Director attendance at RMA and other meetings.

GOAL #10:

Foster a working environment that develops employee strengths, encourages employee growth, and makes the District a highly desired place of employment.

GOAL #11:

Successfully manage drainage, flood control, SD water quality to meet community needs, consistent with drainage code.

The Directors discussed items to move from the goal summary sheet of input from directors and the general manager to items of focus under the Strategic Plan update. These items include setting development triggers based on development planning numbers, ensuring adequate agreements exist with the Rancho Murieta Country Club relating to joint use and maintenance of recycled water transmission systems, and exploration of energy recovery potential from wastewater and solid organic waste,

5. DIRECTOR COMMENTS AND SUGGESTIONS

Director Pasek commented on his perception that the District is heading towards more community structure than a utility structure.

Director Clark commented that the District needs to restrict its efforts to only those services sanctioned by LAFCo.

6. ADJOURNMENT

Motion/Graf to adjourn at 3:50 p.m. Second/Pasek. Ayes: Pecotich, Graf, Clark, Merchant, Pasek. Noes: None. Absent: None. Abstain: None.

Respectfully submitted,

Suzanne Lindenfeld
District Secretary

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



January 18, 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, John Merchant, and Gerald Pasek. Also, present were Darlene J. Thiel, General Manager; Paul Wagner, Security Chief; Eric Thompson, Controller; Suzanne Lindenfeld, District Secretary; and Richard Shanahan, District General Counsel.

2. ADOPT AGENDA

Motion/Pasek to adopt the agenda with the change that Agenda Item 5, Special Announcements and Activities, be moved up before Agenda 3, Closed Session. **Second/Graf. Ayes: Pecotich, Graf, Clark, Merchant, Pasek. Noes: None. Absent: None. Abstain: None.**

5. SPECIAL ANNOUNCEMENTS AND ACTIVITIES (Taken Out Of Order)

Ed Marlow from California Water Environment Association (CWEA) announced that David Herrmann, Chief Plant Operator, won the Supervisor of the Year Award. Kevin Reihl, President of the local CWEA presented Mr. Herrmann with a plaque.

3. BOARD ADJOURNED TO CLOSED SESSION AT 4:05 P.M. TO DISCUSS THE FOLLOWING ITEMS:

Under Government Code Section 54956.9(d)(1): Conference with Legal Counsel Regarding existing litigation, M&R Investment One Company v. District.

Under Government Code 54957: Public Employee Performance Review: Title: General Manager.

4. BOARD RECONVENED TO OPEN SESSION AT 5:08 P.M. AND REPORTED THE FOLLOWING:

Under Government Code Section 54956.9(d)(1): Conference with Legal Counsel Regarding existing litigation, M&R Investment One Company v. District. Nothing to report.

Under Government Code 54957: Public Employee Performance Review: Title: General Manager. Nothing to report.

6. COMMENTS FROM THE PUBLIC

None.

7. CONSENT CALENDAR

Under Agenda Item 7a2, Director Clark noted two typos to the Improvements Committee minutes. Corrections will be made.

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

8. STAFF REPORTS

Under Agenda Item 8A, President Pecotich commented on the Meet the Chief Open House and suggested an email blast be sent out.

Under Agenda Item 8B, Director Pasek asked about the total amount of overrun on the Water Treatment Plant Rehabilitation Project. Eric Thompson stated he did not know off the top of his head but will get that information to Director Pasek.

Under Agenda Item 8D, Director Graf asked for clarification on the use of pumps for filling the reservoirs. Darlene J. Thiel stated that pumps were not being used currently due to the increased turbidity caused by the recent rainstorms. Director Clark asked staff to look into seeing what is required to change the date the District is allowed to put in the stop logs.

Director Clark also asked if Paul Siebensohn is able to tell what caused the grease build up in the Murieta South sewer lines that staff cleaned in December. Darlene J. Thiel will check with Paul when he returns.

9. CORRESPONDENCE

None.

10. CONSIDER APPROVAL OF RECOMMENDATION FROM IMPROVEMENTS COMMITTEE REGARDING LETTER FROM MICHAEL DAVIS, ROBERT HANNAFORD, AND DAVID LEWIS ABOUT DRAINAGE IMPROVEMENTS AT/OR NEAR 4 PARK VIA DEL CERRITO

Darlene J. Thiel gave a brief summary of the Improvements Committee recommendation to remove the drainage pipe at Park 4 Via Del Cerrito that was installed by the District in 2008 and restore the drainage channel to its original design per the 1979 Raymond Vail and Associates plans.

Director Graf commented that once that work has been completed, an analysis of upstream and downstream channels would be needed.

Motion/Graf to approve removal of the drainage pipe at Park 4 Via Del Cerrito that was installed by the District in 2008 and restore the drainage channel to its original design per the 1979 Raymond Vail and Associates plans, have an analysis of upstream and downstream channels conducted, and continue dialogue with the residents. **Second/Pasek. Roll Call Vote: Ayes: Pecotich, Graf, Clark, Merchant, Pasek. Noes: None. Absent: None. Abstain: None.**

11. RECEIVE AND CONSIDER UPDATES PARKS COMMITTEE

11. A.1 Review Updates to Parks Operating Guidelines

President Pecotich gave an overview of the requested revisions to the Parks Operating Guidelines with the intent to eliminate existing conflict and confusion regarding the PDAs. By consensus, the Board agreed to the revisions. The developers were given January 31, 2017 as the deadline for submitting their comments.

President Pecotich stated that the Parks Committee suggested that the Board of Directors from Rancho Murieta Association and the District conduct a site tour of the trails. The Board agreed. Details will be worked out for the end of February or the beginning of March 2017.

PENDING AND PROPOSED LAND DEVELOPMENT PROJECTS

11. B.1 Discuss Passive Recreation Use of Murieta Gardens Drainage Basin

President Pecotich gave a brief summary of the District signed term sheet presented by Regency Realty Group, Inc. (the then property owner of the Murieta Gardens parcel) that outlined in general terms the potential use of the Murieta Gardens drainage basin for passive recreation. The term sheet did not obligate either party to the use of the drainage basin for passive recreation. With the development of the Murieta Gardens parcel

currently under construction, John Sullivan has solicited the District's opinion and/or willingness to allow passive recreation in that basin. President Pecotich stated that an ironclad agreement would need to be in place regarding the maintenance. By consensus, the Board agreed to direct the General Manager to work with Mr. Sullivan on detailed specific plans for the desired use of the basin and development of an agreement for future Board consideration.

SOLAR POWER INSTALLATIONS

Wastewater Treatment Plant Site

Bockman Woody will be back onsite January 13, 2017 to set the wiring pull vault inside our gate which is between the primary connection and our transformer, pour the transformer pad, slurry seal the conduits with red cement, and then pull in secondary feed wiring. Once completed, SMUD will inspect their work. Once approved, SMUD will proceed with setting the new transformer and pulling in the primary feed wiring from Jackson Highway. Solar City would then complete the project and make it active.

Water Treatment Plant Site

Solar City completed the assembly for the solar arrays, installing the connecting wiring, and wiring them up to the inverters. We are in the process of exploring the options for merging the two (2) District lots per Sacramento County's request.

12 Inch Force Main Assessment

The lab results for the soil sample were received and forwarded to Kennedy Jenks. The lab analysis on the pipe has not been completed yet as the testing lab was closed over the holidays.

12. CONSIDER CONFERENCE/EDUCATION OPPORTUNITIES

Motion/Merchant to approve Chief Wagner attending ISC West Expo in Las Vegas, Nevada, April 5-7, 2017.
Second/Pasek. Ayes: Pecotich, Graf, Clark, Merchant, Pasek. Noes: None. Absent: None. Abstain: None.

13. REVIEW FEBRUARY BOARD/COMMITTEE MEETING DATES/TIMES

No discussion.

14. DIRECTOR COMMENTS AND SUGGESTIONS

Chief Wagner stated that a new form for updating resident information has been added to the District's web site to help in the gathering and maintenance of residents' information. The form is similar to the "Green Sheet" that was mailed out for the update last year. Residents can enter in any updated information, or add new information, to the form and either email it to the District for updating or print it (delivery by mail or in person).

Director Graf thanked the Water Department staff for all their work during the rain events. Darlene J. Thiel stated that the Security Department also played a role in those efforts.

Director Clark suggested the District consider putting in elevation markers along the river and suggested staff look into having a Facebook page. Suzanne Lindenfeld stated that she is already working on developing a Facebook page for the District.

President Pasek reminded Directors to submit their items for Committee agendas no later than 5 days prior to the scheduled meeting date.

Suzanne Lindenfeld stated that the first email blast was sent on January 5, 2017 regarding the January 7, 2017 forecasted rainstorm. A total of 1,632 were sent, 1,053 were opened, 139 bounced back, 5 unsubscribed and 1 report of abuse was made. Successful deliveries totaled 1,493 – 91.5%.

15. ADJOURNMENT

Motion/Clark to adjourn at 6:37 p.m. **Second/Graf. Ayes: Pecotich, Graf, Clark, Merchant, Pasek. Noes: None. Absent: None. Abstain: None.**

Respectfully submitted,

Suzanne Lindenfeld
District Secretary

DRAFT

RANCHO MURIETA COMMUNITY SERVICES DISTRICT
SPECIAL BOARD MEETING
January 30, 2017 – 1:00 p.m.



1. CALL TO ORDER/ROLL CALL

Vice President Morrison Graf called the Special Board Meeting of the Board of Directors of Rancho Murieta Community Services District to order at 1:00 p.m. in the District meeting room, 15160 Jackson Road, Rancho Murieta. Directors present were Morrison Graf, Les Clark, John Merchant, and Gerald Pasek. Also, present were Darlene J. Thiel, General Manager; Paul Siebensohn, Director of Field Operations; Eric Thompson, Controller; and Suzanne Lindenfeld, District Secretary. President Pecotich was absent.

2. ADOPT AGENDA

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

3. COMMENTS FROM THE PUBLIC

None.

4. REVIEW RECYCLED WATER PLAN AND PRE-DESIGN REPORT

Darlene J. Thiel, General Manager, gave a brief recap of the history behind the District's activity in establishing the use of the recycled water and policy decision to implement the use of recycled water for outside irrigation for new development.

Kevin Kennedy, Kennedy/Jenks, gave a presentation on the Pre-Design Report (PDR). Areas discussed included: purpose and status, production and demand projections, conveyance systems and use areas, recommendations, schedule and costs. The goal is to have the final PDR to the Board for review and approval no later than the March 2017 regular Board meeting. A question and answer period followed.

Each area that has the capability to use recycled water for irrigation will have a site supervisor who will go through training regarding the use of recycled water.

Financing for this will be with new development, not placed on the current residents.

Les Clark commented on his concerns regarding notifying Rancho Murieta Association regarding the conversion of Stonehouse Park to recycled water, assessor's parcel number should be included in the report, the recycled water standards should be included, the pre-design table of seasonal flows should be broken down to list by month.

Director Graf suggested using new pipe instead of trying to rehab the old pipe.

Director Merchant suggested the District start to notify residents that a new purple tank will be going in by Bass Lake and that the same rate be charged for water and recycled water.

Director Pasek suggested staff arrange to meet with Rancho Murieta Association's Board regarding the recycled water training information.

After a discussion, by consensus, the Board agreed to have the report updated to include the updated rooftop totals. Darlene stated that staff would be coming back to the Board in February to increase the budget for the Pre-Design Report to cover the costs. The updated proposal will identify the items that will be added/updated in the Pre-Design Report.

5. DIRECTOR COMMENTS AND SUGGESTIONS

None.

6. ADJOURNMENT

Motion/Pasek to adjourn at 4:10 p.m. Second/Clark. Ayes: Graf, Clark, Merchant, Pasek. Noes: None. Absent: Pecotich. Abstain: None.

Respectfully submitted,

Suzanne Lindenfeld
District Secretary

DRAFT

MEMORANDUM

Date: February 3, 2017
To: Board of Directors
From: Security Committee Staff
Subject: February 2, 2017 Security Committee Meeting Minutes

1. CALL TO ORDER

Director Pecotich called the meeting to order at 4:07 p.m. Present were Directors Pecotich and Clark. Present from District staff were Darlene J. Thiel, General Manager; Paul Wagner, Security Chief; Eric Thompson, Controller; and Suzanne Lindenfeld, District Secretary.

2. COMMENTS FROM THE PUBLIC

None.

3. MONTHLY UPDATES

Operations

We are in the process of hiring a new Security Gate Officer for the recently retired Gate Officer Brenda Murphy.

January was "Levee & Flood" watch month during the winter storms. District Security staff worked in partnership with the Water Department staff to monitor specific areas of the levee and river to ensure resident and District safety.

Incidents of Note

Chief Wagner gave a brief overview of the incidents of note for January 2017.

RMA Citations/Admonishments

No discussion.

Rancho Murieta Association Compliance/Grievance/Safety Committee Meeting

No discussion.

Incident Map and Emergency Exit Map

Rough draft of the emergency map is available for review. Chief Wagner is planning on reviewing and potentially purchasing a reporting and incident mapping program in 2017 (ISC West for Networking and potential program).

Looking into mapping ideas and availability, as well as reporting systems (separate program). The challenge is updating the map daily/weekly and the ability to make the map usable and time efficient.

Security Department Assessment

The Services Agreement between the District and Burns & McDonnell Engineering Company, Inc., was signed on January 26, 2017. The goal is to have the Report in time for the April 2017 Board meeting. Chief Wagner is

working with Burns & McDonnell on incorporating resident input to the study as requested by the Board at the January Board of Directors meeting.

4. BARCODE CLARIFICATIONS AND IMPROVEMENTS

Director Pecotich gave a brief summary of the District's Board of Directors goal to clarify and simplify the bar code process and duties of the Security Department with the addition of multiple homeowner associations in the near future.

After a discussion, the Committee recommended that District staff meet with RMA staff to review and provide input regarding the bar code policy and duties of the Security Department going forward. The recommendation will go to the Board of Directors at the February 15, 2017 meeting for approval.

5. DIRECTOR & STAFF COMMENTS

Director Clark stated that the MBA needs to be considered before making any changes to the gate policies.

6. ADJOURNMENT

The meeting adjourned at 4:43 p.m.

MEMORANDUM

Date: February 3, 2017
To: Board of Directors
From: Communication & Technology Committee Staff
Subject: February 2, 2017 Communication & Technology Committee Meeting Minutes

1. CALL TO ORDER

Director Pecotich called the meeting to order at 4:44 p.m. Present were Directors Pecotich and Merchant. Present from District staff were Darlene J. Thiel, General Manager; Paul Wagner, Security Chief; Paul Siebensohn, Director of Field Operations; Eric Thompson, Controller; and Suzanne Lindenfeld, District Secretary.

2. COMMENTS FROM THE PUBLIC

None.

3. COMMUNITY RELATIONS

Participating in Rancho Murieta Association Meetings

Darlene J. Thiel, General Manager, stated that Directors can attend the Ranch Murieta Association (RMA) meetings. If he/she wishes to comment on an item, they must be clear that they are speaking as a resident not a District representative, unless the Board had previously approved their attendance and their comment. The Committee agreed that this needs to be explained to the entire Board of Directors.

Semi-Annual Joint Board of Director Meetings

Director Merchant stated that the purpose of having joint Board of Director meetings is to discuss issues/items that the Boards have in common and to clarify who is responsible for what. The Committee directed Darlene J. Thiel, General Manager, to make a formal request to the Rancho Murieta Association Board of Directors.

4. DIRECTOR AND STAFF COMMENTS/SUGGESTIONS

Director Merchant commented on the District looking into an audio recording program that allows for bookmarking agenda items so someone listening to the audio can go right to the item they wish to listen to. Director Merchant also commented on looking at the processes at the gates, entering vendors into the system, and wanting to look at the District's invoicing and billing process.

Director Pecotich stated that the District is moving towards a paperless environment for Board and Committee meetings. Committee and Board packets will not be printed out, all communication between the Board of Directors and staff is to be done electronically. If a director prefers to have paper copies they can notify District staff of their preference. Director laptops will be used at committee meetings for access to the committee meeting packets via the District website. However, paper copies of agendas will still be available for the public at these meetings.

5. ADJOURNMENT

The meeting was adjourned at 5:22 p.m.

MEMORANDUM

Date: February 7, 2017
To: Board of Directors
From: Improvements Committee Staff
Subject: February 7, 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 Darlene Thiel, General Manager; Paul Siebensohn, Director of Field Operations; and Suzanne Lindenfeld, District Secretary.

2. PUBLIC COMMENT

None.

3. MONTHLY UPDATES

Solar Power Update

No discussion.

4. RECYCLED WATER PRE-DESIGN REPORT – ADDITIONAL SCOPE OF WORK AND FUNDING

The committee discussed the Pre-Design Report and asked questions of Kevin Kennedy, Kennedy Jenks, on the basis of the report. Director Clark commented on the Title XXII report water balance and having the monthly flow not just the maximum flow and an alternative model included in the Pre-Design Report. After a discussion, the Committee agreed. Darlene stated that she will work with Kevin Kennedy on the proposal for additional scope (that primarily came out of the Recycled Water Workshop) and funding and will bring the proposal to the March 2017 Board of Directors meeting for consideration.

5. DIRECTORS & STAFF COMMENTS/SUGGESTIONS

No comments.

6. ADJOURNMENT

The meeting was adjourned at 9:05 a.m.

MEMORANDUM

Date: February 7, 2017
To: Board of Directors
From: Finance Committee Staff
Subject: February 7, 2017 Finance Committee Meeting Minutes

1. CALL TO ORDER

Director Merchant called the meeting to order at 9:09 a.m. Present was Director Merchant. Present from District staff were Darlene J. Thiel, General Manager; Paul Siebensohn, Director of Field Operations; Eric Thompson, Controller; and Suzanne Lindenfeld, District Secretary. Director Pasek was absent.

2. COMMENTS FROM THE PUBLIC

None.

3. 2017-2018 BUDGET PLANNING UPDATE

Darlene J. Thiel, General Manager, gave a brief overview of the budgeting process. The budget development is a quasi “zero based” budgeting process where staff evaluates historical expenditure trends, anticipated price increases or decreases for supplies, power, etc., line items that should be added or deleted, and wages and employer costs are developed using projected salary increases and cost of benefit changes. On the revenue side, projections of new connections are included in the forecast of revenue and rate development. The initial draft is typically developed based on anticipated needs and is not constrained by rate increase caps. When the first draft is completed, revisions are made based on goals and guidance from the Board of Directors to reach an acceptable budget for the upcoming year. The “worst case” budget is presented to the Board of Directors at the March Board meeting for approval. This “worst case” budget sets the maximum increase in rates and is the basis for the required Proposition 218 Notice to property owners of proposed rate increases (this notice must be mailed at least 45 days before the meeting where the final budget is first presented to the Board of Directors; usually around April 1st). Between March and May, budget adjustments can be made as necessary but the resulting rates cannot be higher than those included in the Proposition 218 notice (the final rates can be lower).

4. PARAMETERS FOR A FIVE YEAR FORECAST

Director Merchant suggested a three (3) tier (low, medium, high) projection for 2017 -2018 be developed along with a five (5) year budget forecast ; each to be presented to the Board.

5. DISCUSS HOW RESERVES ARE VIEWED IN CONJUNCTION WITH A FIVE YEAR FORECAST

Director Merchant suggested that the Board analyze the Reserve Study that was completed and decide the direction the District should go in collecting for reserves.

6. APPROVE FUNDING FOR OPERATOR IN TRAINING POSITION

Darlene J. Thiel gave a brief summary of the recommendation to approve the Operator in Training (OIT) position for the 2016/2017 Budget. The filling of the OIT position will ease some demands on existing staff and put the District in a better position to cover staff shortages that occur throughout the year due to illness, FMLA leave, vacations, and other lost time situations. **This item will be added to the February 15, 2017 Board of Directors meeting agenda.**

5. DIRECTORS' & STAFF COMMENTS/SUGGESTIONS

None.

6. ADJOURNMENT

The meeting was adjourned at 9:42 a.m.

DRAFT

MEMORANDUM

Date: February 7, 2017
To: Board of Directors
From: Personnel Committee Staff
Subject: February 7, 2017 Personnel Committee Meeting Minutes

1. CALL TO ORDER

Director Graf called the meeting to order at 10:01 a.m. Present was Director Graf. Present from District staff was Darlene Thiel, General Manager; Eric Thompson, Controller; Paul Siebensohn, Director of Field Operations; and Suzanne Lindenfeld, District Secretary. Director Pasek was absent.

2. COMMENTS FROM THE PUBLIC

None.

3. REVIEW DISTRICT POLICY 2011-09 DRUG AND ALCOHOL USE

Darlene Thiel gave a brief summary of the updates to District Policy 2011-09. With the legalization of marijuana for recreational use, District staff reviewed the current drug and alcohol use policy to ensure that it is clear regarding the prohibition of recreational marijuana use at work and when assigned to call-back duty. **This item will be on the February 15, 2017 Board of Directors meeting agenda.**

4. DIRECTORS' & STAFF COMMENTS/SUGGESTIONS

No comments.

5. ADJOURNMENT

The meeting was adjourned at 10:14 a.m.

MEMORANDUM

Date: February 9, 2016
To: Board of Directors
From: Eric Thompson, Controller
Subject: Bills Paid Listing

Enclosed is the Bills Paid Listing Report for **January 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	\$ 46,577.25	Operating Expense
Larry Bain, CPA	FY 2015/16 Audit	\$ 13,900.00	Operating Expense
Bartkiewicz, Kronick & Shanahan	Legal Services	\$ 7,160.52	Operating Expense
GSRMA	Insurance	\$ 44,418.24	Operating Expense
S.M.U.D.	Purchased Power	\$ 30,053.95	Operating Expense
Useware, Inc	Annual Software Support	\$ 14,060.00	Operating Expense

PREPARED BY: Eric Thompson, Controller

REVIEWED BY:  _____, District Treasurer

Rancho Murieta Community Services District Bills Paid Listing for January 2017

Ck Number	Date	Vendor	Amount	Purpose
CM31651	1/3/2017	California Public Employees' Retirement Sys	\$41,444.21	Payroll
CM31652	1/3/2017	Guardian Life Insurance	\$5,354.80	Payroll
CM31653	1/3/2017	Vision Service Plan (CA)	\$486.09	Payroll
EFT	1/10/2017	EDD	\$1,827.16	Payroll
CM31654	1/13/2017	A Leap Ahead IT	\$3,739.68	IT Support
CM31655	1/13/2017	American Family Life Assurance Co.	\$523.39	Payroll
CM31656	1/13/2017	Applications By Design, Inc.	\$225.00	IT Support
CM31657	1/13/2017	Aramark Uniform & Career Apparel, LLC	\$200.74	Uniform Service - Water
CM31658	1/13/2017	California Public Employees' Retirement Sys	\$9,949.59	Payroll
CM31659	1/13/2017	California Public Employees' Retirement Sys	\$12,002.52	Payroll
CM31660	1/13/2017	California State Disbursement Unit	\$290.76	Payroll
CM31661	1/13/2017	California Waste Recovery Systems	\$46,577.25	Solid Waste Monthly Contract
CM31662	1/13/2017	Chrysler Capital	\$156.80	Security Vehicle Lease
CM31663	1/13/2017	Capital One Commercial	\$1,673.60	Monthly Supplies
CM31664	1/13/2017	County of Sacramento	\$587.00	Permits
CM31665	1/13/2017	Thomas Fruit	\$50.00	Conservation
CM31666	1/13/2017	Hall, Jane	\$100.00	Conservation
CM31667	1/13/2017	Harrold Ford	\$1,032.80	Vehicle Maintenance #218
CM31668	1/13/2017	Kennedy/Jenks Consultants, Inc.	\$3,552.50	Retreats Plan Review
CM31669	1/13/2017	Larry Bain, CPA, An Accounting Corporation	\$13,900.00	FY 2015/16 Audit
CM31670	1/13/2017	Legal Shield	\$43.21	Payroll
CM31671	1/13/2017	McMaster-Carr Supply Co.	\$408.12	Repairs & Maintenance
CM31672	1/13/2017	Nationwide Retirement Solution	\$1,907.00	Payroll
CM31673	1/13/2017	Operating Engineers Local Union No. 3	\$646.25	Payroll
CM31674	1/13/2017	Pitney Bowes	\$695.23	Postage Machine Lease
CM31675	1/13/2017	Prodigy Electric & Controls Inc.	\$3,086.00	Repairs & Maintenance
CM31676	1/13/2017	Rancho Murieta Ace Hardware	\$193.59	Monthly Supplies
CM31677	1/13/2017	John Reeve	\$100.00	Conservation
CM31678	1/13/2017	Santander Leasing	\$240.00	Security Vehicle Lease
CM31679	1/13/2017	Sierra Office Supplies	\$211.68	Office Supplies
CM31680	1/13/2017	State of California	\$32.00	Pre-Employment Testing
CM31681	1/13/2017	TASC	\$221.07	Payroll
CM31682	1/13/2017	TelePacific Communications	\$662.96	Monthly Phone Bill
CM31683	1/13/2017	Fred Tillman	\$200.00	Conservation
CM31684	1/13/2017	U.S. Bank Corp. Payment System	\$4,594.16	Monthly Gasoline & Supplies
CM31685	1/13/2017	USA Blue Book	\$2,918.87	Repairs & Maintenance
CM31686	1/13/2017	Richard Viegas	\$100.00	Conservation
CM31687	1/13/2017	W.W. Grainger Inc.	\$2,920.53	Repairs & Maintenance
EFT	1/13/2017	EFTPS	\$11,840.96	Payroll
EFT	1/13/2017	EFTPS	\$2,981.96	Payroll

Rancho Murieta Community Services District Bills Paid Listing for January 2017

Ck Number	Date	Vendor	Amount	Purpose
EFT	1/13/2017	EDD	\$3,014.15	Payroll
EFT	1/13/2017	EDD	\$856.50	Payroll
EFT	1/20/2017	EFTPS	\$294.58	Payroll
EFT	1/20/2017	EDD	\$43.05	Payroll
EFT	1/25/2017	Pitney Bowes	\$1,250.00	Postage Machine Refill
CM31688	1/27/2017	Action Cleaning Systems	\$1,172.00	Monthly Cleaning Service
CM31689	1/27/2017	All State Systems Integration, Inc	\$588.00	Repairs & Maintenance
CM31690	1/27/2017	American Family Life Assurance Co.	\$523.39	Payroll
CM31691	1/27/2017	Aramark Uniform & Career Apparel, LLC	\$213.58	Uniform Service - Water
CM31692	1/27/2017	AT&T	\$124.00	Monthly Internet Bill
CM31693	1/27/2017	AT&T	\$961.96	Monthly Cell Phone Bill
CM31694	1/27/2017	AT&T	\$309.97	Monthly Phone Bill
CM31695	1/27/2017	Bartkiewicz, Kronick & Shanahan	\$7,160.52	Legal Services
CM31696	1/27/2017	California Laboratory Services	\$857.50	Monthly Lab Tests
CM31697	1/27/2017	California Public Employees' Retirement Sys	\$11,139.22	Payroll
CM31698	1/27/2017	California State Disbursement Unit	\$290.76	Payroll
CM31699	1/27/2017	Caltronics Business Systems	\$768.95	Copier - Admin.
CM31700	1/27/2017	Coastland Civil Engineering	\$3,881.03	Engineering Consulting
CM31701	1/27/2017	County of Sacramento	\$27.00	Pre-Employment Testing
CM31702	1/27/2017	DrawingBoard Printing	\$158.55	Office Supplies
CM31703	1/27/2017	Eurofins Eaton Analytical, Inc.	\$125.00	Lab Testing
CM31704	1/27/2017	Express Office Products, Inc.	\$781.55	Office Supplies
CM31705	1/27/2017	Gempler's, Inc.	\$39.87	Safety / Training
CM31706	1/27/2017	GM Crane Services, Inc	\$575.00	Crane Inspection
CM31707	1/27/2017	GSRMA	\$44,418.24	Insurance
CM31708	1/27/2017	Greenfield Communications	\$142.97	Internet/TV
CM31709	1/27/2017	Groeniger & Company	\$944.81	Repairs & Maintenance
CM31710	1/27/2017	John Harrigan	\$107.19	Reimbursement
CM31711	1/27/2017	Hastie's Capitol Sand and Gravel Co.	\$957.75	Repairs & Maintenance
CM31712	1/27/2017	Home Depot Credit Services	\$467.11	Repairs & Maintenance
CM31713	1/27/2017	Howe It's Done	\$276.74	Board Meeting Dinner
CM31714	1/27/2017	Hunt & Sons, Inc	\$4,850.78	Diesel
CM31715	1/27/2017	Legal Shield	\$43.21	Payroll
CM31716	1/27/2017	Les Schwab Tires	\$1,136.92	Vehicle Maintenance-Backhoe
CM31717	1/27/2017	Anne H Long (DBA) Marion Leasing	\$526.90	Copier Lease - Admin
CM31718	1/27/2017	Joseph Mazzoni	\$100.00	Conservation
CM31719	1/27/2017	Nationwide Retirement Solution	\$1,907.00	Payroll
CM31720	1/27/2017	New Horizons CLC of Sacramento	\$2,000.00	Safety / Training
CM31721	1/27/2017	Operating Engineers Local Union No. 3	\$646.25	Payroll
CM31722	1/27/2017	Carmen Ortiz	\$100.00	Conservation

Rancho Murieta Community Services District

Bills Paid Listing for January 2017

Ck Number	Date	Vendor	Amount	Purpose
CM31723	1/27/2017	Pape Machinery	\$1,672.02	Vehicle Maintenance-Backhoe
CM31724	1/27/2017	Public Agency Retirement Services	\$300.00	Payroll
CM31725	1/27/2017	Rancho Murieta Association	\$150.00	Landscaping
CM31726	1/27/2017	Rancho Murieta Association	\$533.60	Smud @ North Gate
CM31727	1/27/2017	Rancho Murieta Business Center	\$182.10	Office Supplies
CM31728	1/27/2017	S. M. U. D.	\$30,053.95	Purchased Power
CM31729	1/27/2017	Sierra Office Supplies	\$100.21	Office Supplies
CM31730	1/27/2017	Socius	\$573.75	Annual Software Support
CM31731	1/27/2017	Sprint	\$189.95	Monthly Air Cards Bill
CM31732	1/27/2017	Streamline	\$300.00	Website Hosting - Monthly
CM31733	1/27/2017	TASC	\$177.25	Payroll
CM31734	1/27/2017	TASC	\$221.07	Payroll
CM31735	1/27/2017	Taser International	\$109.77	Equipment
CM31736	1/27/2017	U.S. HealthWorks Medical Group, PC	\$94.00	Pre-Employment Testing
CM31737	1/27/2017	UPS	\$60.62	Postage & Delivery
CM31738	1/27/2017	USA Blue Book	\$2,538.94	Repairs & Maintenance
CM31739	1/27/2017	Useware, Inc.	\$14,060.00	Annual Software Support
CM31740	1/27/2017	W.W. Grainger Inc.	\$1,942.62	Repairs & Maintenance
CM31741	1/27/2017	Allyson Warr	\$100.00	Conservation
CM31742	1/27/2017	Western Exterminator Co.	\$494.00	Monthly Service & Rodent Control
CM31743	1/27/2017	Soeren Zimmerman	\$100.00	Conservation
EFT	1/27/2017	EFTPS	\$10,670.82	Payroll
EFT	1/27/2017	EFTPS	\$3,058.03	Payroll
EFT	1/27/2017	EDD	\$2,785.54	Payroll
EFT	1/27/2017	EDD	\$856.50	Payroll
		TOTAL	\$342,784.22	
		CFD#1 Bank of America Checking		
		--- ACCOUNT CLOSED ---		
		TOTAL	\$0.00	

**Rancho Murieta Community Services District
Bills Paid Listing for January 2017**

Ck Number	Date	Vendor	Amount	Purpose
		CFD 2014-1 Bank of America Checking		
CM2034	1/13/2017	Corelogic Solutions, LLC	\$165.00	CFD 2014-1 Admin Cost
CM2035	1/13/2017	Larry Bain, CPA, An Accounting Corporation	\$4,000.00	FY 2015/16 Audit
		TOTAL	\$4,165.00	
		EL DORADO PAYROLL		
Checks: CM11567 to CM11581 and Direct Deposits: DD09426 to DD09493			\$ 124,940.67	Payroll
EFT	1/31/2017	National Payment Corp	\$147.68	Payroll
		TOTAL	\$125,088.35	

PREPARED BY: Eric Thompson, Controller

REVIEWED BY:  _____, District Treasurer

MEMORANDUM

Date: February 10, 2017
To: Board of Directors
From: Darlene J. Thiel, General Manager
Subject: General Manager's Report

Following are highlights since our last Board Meeting:

WATER CONSERVATION

In January, the community's residential gallons per capita per day (R-GPCD) usage was 79 gallons; a reduction of 7% from December 2016 R-GPCD. The January R-GPCD is consistent with last year's January R-GPCD of 80 gallons.

Total year to date potable use, which includes commercial and District usage, is 14% lower than the same time period in 2013.

The State Water Resources Control Board took action on February 8, 2017 to extend the Emergency Water Conservation Regulation at least until May 2017 when the Board will revisit the regulation. As reported by the State Water Board, 2.43 million acre-feet of water have been saved since June 2015 – enough to supply more than 12 million people, close to a third (1/3) of the state's population, for a year.

OPEN HOUSE TO MEET THE NEW SECURITY CHIEF

The Open House on January 31, 2017 to meet Chief Wagner was a great success. While an exact count was not taken, I would estimate that approximately 40 residents came out to meet Chief Wagner during the three-hour period.

WATER SUPPLY AUGMENTATION AND CAPITAL IMPROVEMENT FEE STUDY – COASTLAND ENGINEERING

Paul Siebensohn and I are working with John Griffin and Marc Fernandez, Coastland Engineering, on the Water Supply Augmentation and Capital Improvement Fee Study. We are in the process of identifying the proposed Capital Improvement Projects, discussing alternative approaches to assigning EDU values to commercial properties, and updating projected densities at full build-out. I have asked John Griffin to update his proposed schedule for the studies as we anticipate needing another month to complete the draft reports. We plan to have a meeting with John Sullivan to preview our recommendations for the commercial EDU values the week of March 27, 2017.

MEETING WITH RMA STAFF REGARDING GATE POLICY CLARIFICATIONS/UPDATES

I have reached out to Greg Vorster, RMA General Manager, about scheduling a meeting between me, him, Chief Wagner and Danise Hetland sometime next week.

PASSIVE REC USE OF THE MURIETA GARDENS DRAINAGE BASIN

I have asked John Sullivan to draft a document that describes his vision/intent regarding the passive rec use at the Murieta Gardens drainage basin as a starting point for our discussion and development of an agreement that identifies responsibility of each party regarding maintenance, repair, and upkeep of the basin.

MEMORANDUM

Date: February 10, 2017
 To: Board of Directors
 From: Eric Thompson, Controller
 Subject: Administration / Financial Reports

Enclosed is a combined financial summary report for **January 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 - Listed below are year-to-date water consumption numbers using weighted averages:

		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
	12 month rolling % increase												
Residences	0.6%	2,524	2,531	2,531	2,534	2,534	2,534	2,534					
	Weighted average	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Cubic Feet	1,595	2,489	2,545	2,188	1,814	850	668	614					
Gallons per day	398	621	635	545	452	212	167	153					
Planning Usage GPD	583												

Lock-Offs – For the month of January, there were 20 lock-offs.

Connection Fees – There were no new service connections in January.

Aging Report – Delinquent accounts totaled \$140,332 which was 23.8% of the total accounts receivable balance of \$589,647. Past due receivables decreased 4.1% or \$5,953 from the prior month.

Summary of Reserve Accounts as of January 31, 2017 – The District’s reserve accounts increased \$34,449 during the month of January and have increased \$179,755 since the beginning of the fiscal year. In addition to normal inter-fund borrowing repayments and interest income, the only other reserve transactions were reimbursements to operations for Kennedy Jenks invoices for the testing of the 12” pipe running from MLN to Stonehouse and continued work on the recycled water program. The total amount of reserves held by the District on January 31, 2017 was \$4,967,680. See the table below for information by specific reserve account.

Reserve Fund Balances

<i>Reserve Descriptions</i>	<i>Fiscal Yr Beg Balance July 1, 2016</i>	<i>YTD Collected & Interest Earned</i>	<i>YTD Spent</i>	<i>Period End Balance Jan 31, 2017</i>
Water Capital Replacement (200-2505)	826,443	139,370	(0)	965,813
Sewer Capital Replacement (250-2505)	1,915,904	227,499	(38)	2,143,365
Drainage Capital Replacement (260-2505)	71,601	254	(0)	71,855
Security Capital Replacement (500-2505)	90,972	26,960	(29,231)	88,701
Admin Capital Replacement (xxx-2505-99)	57,174	0	(0)	57,174
Sewer Capital Improvement Connection (250-2500)	4,045	13	(0)	4,058
Capital Improvement (xxx-2510)	331,445	25,357	(0)	356,802
Water Supply Augmentation (200-2511)	1,758,673	49,450	(122,042)	1,686,081
WTP Construction Fund Reserve (200-2513)	(281,547)	109,336	(269,173)	(441,384)
Security Impact Fee Reserves (500-2513)	13,214	22,001	(0)	35,215
<i>Total Reserves</i>	<i>4,787,924</i>	<i>600,240</i>	<i>(420,484)</i>	<i>4,967,680</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 Jan 31, 2017</i>
Sewer Loan to WTP Construction Fund	1,277,709	4,795	(86,797)	1,195,707
WSA Loan to WTP Construction Fund	425,903	1,598	(28,932)	398,569
N. Gate Security Loan from Drainage Fund	86,039	309	(13,630)	72,718
<i>Total Inter-fund Borrowing</i>	<i>1,789,651</i>	<i>6,702</i>	<i>(129,359)</i>	<i>1,666,994</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 November 30, 2016		
1-Month	3-Months	1-Year
1.41%	0.04%	5.75%

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

Revenues:

Water Charges, year-to-date, are **above** budget \$31,913 or **2.7%**

Sewer Charges, year-to-date, are **below** budget \$3,754 or **(0.5%)**

Drainage Charges, year-to-date, are **below** budget \$732 or **(0.7%)**

Security Charges, year-to-date, are **below budget \$4,429 or (0.6%)**

Solid Waste Charges, year-to-date, are **above budget \$1,316 or 0.4%**

Total Revenue, which includes other income, property taxes, and interest income year-to-date, is **above budget \$67,627 or 1.9%** (Water Conservation Efforts - YTD residential water usage is up 4.8% versus budget).

Expenses: Year-to-date total operating expenses are **below budget \$180,949 or (5.3%)**. 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 **below budget \$60,091 or (6.2%)**. Water Department wages and employer costs are over budget by \$45,964 or 10.9% so far this year (primarily in Water Treatment). This number is down from 13.7% as of the end of December as a result of personnel being allocated more to Drainage during the recent rains. Savings have been seen across most other expense categories. Permits and non-routine maintenance continue to be the two largest over-budget expense categories.

Sewer Expenses, year-to-date, are **below budget by \$114,360 or (18.5%)**. The Sewer Department continues to see savings across most expense categories, with the largest savings coming from repairs and maintenance, consulting, chemicals, wages, & employer costs. Sewer wages are under budget 17.2% so far this year due to personnel allocating more time to the Water and Drainage Departments. Purchased power is the Sewer Department's largest expense overage, but this should normalize once the Solar City power project is completed.

Drainage Expenses, year-to-date, are **above budget by \$13,055 or 15.6%**. The Drainage Department went from being \$494 under budget on expenses through December to being over budget through January due to the excessive rains we've been receiving. Wages and employer costs are the largest budget overruns.

Combined Water/Sewer/Drainage Wages & Employer Costs, year-to-date, are **above budget by \$11,212 or 1.4%** (*down from 1.7% YTD through December*). 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 \$1,080 or (0.2%)**. Security Gate expenses so far this year are **above budget by \$3,799**, with overages in employer costs & contract security personnel. Security Patrol expenses are **below budget by \$4,811** year-to-date. General Security expenses are **below budget by \$67** through the month of January with overages in employer costs being offset by savings in consulting.

Solid Waste Expenses, year-to-date, are **above budget by \$2,174 or 0.6%**. Solid waste revenues and expenses are both slightly over budget through the end of January.

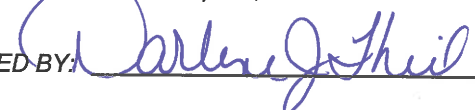
General Expenses, year-to-date, are **below budget by \$20,649 or (2.9%)**. Insurance, equipment maintenance, and legal expenses are still the biggest line items that are over budget so far this year, but are more than made up for by savings in other expense categories (employer costs, memberships, & IT systems maintenance, etc).

Net Income: Year-to-date unadjusted net income, before depreciation, is \$364,768 versus a budget of \$116,192. Net income/(Loss) adjusted for estimated depreciation expense is (\$496,741). The full-year expected net operating income (loss) before depreciation, per the 2016-2017 budget is (\$110).

Rancho Murieta Community Services District
Summary Budget Performance Report
YTD THROUGH JANUARY 2017

	% of Annual		% of YTD		YTD		% of		YTD VARIANCE	
	Total	Budget	Total	Budget	Actuals	Total	Amount	%		
REVENUES										
Water Charges	32.4%	\$1,939,830	33.2%	\$1,170,995	\$1,202,908	33.4%	\$31,913	2.7%		
Sewer Charges	21.9%	1,312,546	21.7%	765,128	761,374	21.1%	(3,754)	(0.5%)		
Drainage Charges	3.2%	189,270	3.1%	110,411	109,679	3.0%	(732)	(0.7%)		
Security Charges	21.2%	1,268,890	21.0%	740,180	735,751	20.4%	(4,429)	(0.6%)		
Solid Waste Charges	10.7%	640,000	10.6%	373,338	374,654	10.4%	1,316	0.4%		
Other Income	1.8%	108,420	1.7%	59,731	99,886	2.8%	40,155	67.2%		
Interest Earnings	0.1%	3,580	0.1%	2,410	5,566	0.2%	3,156	131.0%		
Property Taxes	8.9%	531,760	8.8%	310,191	336,840	9.4%	26,649	8.6%		
Property Taxes (Reserve Alloc)	0.0%		0.0%		(26,647)	-0.7%	(26,647)	0.0%		
Total Revenues	100.0%	5,994,296	100.0%	3,532,384	3,600,011	100.0%	67,627	1.9%		
OPERATING EXPENSES										
Water/Sewer/Drainage										
Wages	15.2%	911,000	15.3%	521,500	538,765	16.7%	17,265	3.3%		
Employer Costs	7.4%	445,010	7.6%	258,496	251,347	7.8%	(7,149)	(2.8%)		
Power	6.3%	379,540	5.9%	200,804	190,045	5.9%	(10,759)	(5.4%)		
Chemicals	3.3%	194,340	2.9%	99,040	61,773	1.9%	(37,267)	(37.6%)		
Maint & Repair	5.7%	340,150	5.1%	173,395	173,121	5.4%	(274)	(0.2%)		
Meters/Boxes	0.9%	54,000	0.8%	28,250	8,243	0.3%	(20,007)	(70.8%)		
Lab Tests	0.7%	44,200	0.7%	22,950	16,268	0.5%	(6,682)	(29.1%)		
Permits	1.2%	73,100	1.7%	58,584	70,713	2.2%	12,129	20.7%		
Training/Safety	0.4%	21,500	0.4%	12,450	7,387	0.2%	(5,063)	(40.7%)		
Equipment Rental	0.6%	35,930	0.6%	18,950		0.0%	(18,950)	(100.0%)		
Other	7.8%	466,550	8.1%	275,267	190,628	5.9%	(84,639)	(30.7%)		
Subtotal Water/Sewer/Drainage	49.6%	2,965,320	48.9%	1,669,686	1,508,290	46.6%	(161,396)	(9.7%)		
Security										
Wages	11.3%	677,600	11.4%	391,100	380,671	11.8%	(10,429)	(2.7%)		
Employer Costs	6.5%	389,600	6.6%	224,350	239,099	7.4%	14,749	6.6%		
Off Duty Sheriff Patrol	0.1%	4,000	0.1%	4,000	4,024	0.1%	24	0.6%		
Other	2.1%	128,330	2.1%	70,538	65,114	2.0%	(5,424)	(7.7%)		
Subtotal Security	20.1%	1,199,530	20.2%	689,988	688,908	21.3%	(1,080)	(0.2%)		
Solid Waste										
CWRS Contract	9.3%	555,700	9.5%	324,156	326,142	10.1%	1,986	0.6%		
Sacramento County Admin Fee	0.6%	34,800	0.6%	20,300	20,488	0.6%	188	0.9%		
HHW Event	0.3%	15,710	0.0%			0.0%		0.0%		
Subtotal Solid Waste	10.1%	606,210	10.1%	344,456	346,630	10.7%	2,174	0.6%		
General / Admin										
Wages	8.7%	518,100	8.7%	298,300	291,636	9.0%	(6,664)	(2.2%)		
Employer Costs	4.6%	276,500	4.7%	161,050	150,642	4.7%	(10,408)	(6.5%)		
Insurance	1.4%	86,400	1.5%	50,400	53,810	1.7%	3,410	6.8%		
Legal	1.0%	60,000	1.0%	35,000	47,719	1.5%	12,719	36.3%		
Office Supplies	0.4%	22,800	0.4%	13,300	11,814	0.4%	(1,486)	(11.2%)		
Director Meetings	0.3%	18,000	0.3%	10,500	5,500	0.2%	(5,000)	(47.6%)		
Telephones	0.1%	5,400	0.1%	3,150	3,731	0.1%	581	18.4%		
Information Systems	1.3%	77,450	1.6%	53,307	47,593	1.5%	(5,714)	(10.7%)		
Community Communications	0.1%	5,900	0.1%	3,150	954	0.0%	(2,196)	(69.7%)		
Postage	0.4%	21,600	0.4%	12,600	10,842	0.3%	(1,758)	(14.0%)		
Janitorial/Landscape Maint	0.3%	17,040	0.3%	9,915	9,522	0.3%	(393)	(4.0%)		
Other	1.6%	97,320	1.8%	61,390	57,652	1.8%	(3,738)	(6.1%)		
Subtotal General / Admin	20.2%	1,206,510	20.8%	712,062	691,415	21.4%	(20,647)	(2.9%)		
Total Operating Expenses	100.0%	5,977,570	100.0%	3,416,192	3,235,243	100.0%	(180,949)	(5.3%)		
Operating Income (Loss)	100.0%	16,726	100.0%	116,192	364,768	100.0%	248,576	213.9%		
Non-Operating Expenses										
Sewer Reserve Expenditure	100.0%	16,836	0.0%			0.0%		0.0%		
Total Non-Operating Expenses	100.0%	16,836	0.0%			0.0%		0.0%		
Net Income (Loss)	100.0%	(110)	100.0%	116,192	364,768	100.0%	248,576	213.9%		

PREPARED BY: Eric Thompson, Controller

REVIEWED BY:  , District Treasurer

Rancho Murieta Community Services District
Budget Performance Report by FUND
YTD THROUGH JANUARY 2017

	% of Annual		% of YTD		YTD Actuals	% of		YTD VARIANCE	
	Total	Budget	Total	Budget		Total	Amount	%	
WATER REVENUES									
Water Charges	98.4%	\$1,939,830	98.6%	\$1,170,995	\$1,202,908	96.6%	\$31,913	2.7%	
Interest Earnings	0.1%	2,530	0.1%	1,675	2,322	0.2%	647	38.6%	
Other Income	1.4%	28,160	1.2%	14,735	39,632	3.2%	24,897	169.0%	
Total Water Revenues	100.0%	1,970,520	100.0%	1,187,405	1,244,862	100.0%	57,457	4.8%	
EXPENSES (excluding depreciation)									
Wages	28.8%	491,940	29.0%	281,610	320,550	35.3%	38,940	13.8%	
Employer Costs	14.1%	240,620	14.4%	139,746	146,021	16.1%	6,275	4.5%	
Power	14.9%	254,240	13.7%	132,504	110,760	12.2%	(21,744)	(16.4%)	
Chemicals	7.3%	124,100	7.3%	70,440	37,675	4.1%	(32,765)	(46.5%)	
T&O - Chemicals/Treatment	0.4%	7,200	0.4%	3,600	7,375	0.8%	3,775	104.9%	
Maint & Repair	8.3%	142,000	7.6%	73,395	94,398	10.4%	21,003	28.6%	
Meters/Boxes	3.2%	54,000	2.9%	28,250	8,243	0.9%	(20,007)	(70.8%)	
Lab Tests	1.6%	28,000	1.4%	13,500	7,648	0.8%	(5,852)	(43.3%)	
Permits	1.9%	32,000	1.8%	17,500	32,299	3.6%	14,799	84.6%	
Training/Safety	0.5%	9,300	0.5%	4,400	2,591	0.3%	(1,809)	(41.1%)	
Equipment Rental	1.2%	21,000	1.1%	11,000	0.0%	(11,000)	(100.0%)		
Other Direct Costs	17.7%	301,140	20.0%	193,485	141,779	15.6%	(51,706)	(26.7%)	
Operational Expenses	100.0%	1,705,540	100.0%	969,430	909,339	100.0%	(60,091)	(6.2%)	
Water Income (Loss)	15.5%	264,980	22.5%	217,975	335,523	36.9%	117,548	53.9%	
38.9% Net Admin Alloc	15.5%	265,061	16.3%	158,242	149,539	16.4%	(8,703)	(5.5%)	
Total Net Income (Loss)	0.0%	(81)	6.2%	59,733	185,984	20.5%	126,251	211.4%	
SEWER REVENUES									
Sewer Charges	98.6%	1,312,546	98.7%	765,128	761,374	97.9%	(3,754)	(0.5%)	
Interest Earnings	0.0%	180	0.0%	105	2,071	0.3%	1,966	1,872.4%	
Other Income	1.4%	18,500	1.3%	10,024	13,958	1.8%	3,934	39.2%	
Total Sewer Revenues	100.0%	1,331,226	100.0%	775,257	777,403	100.0%	2,146	0.3%	
EXPENSES (excluding depreciation)									
Wages	31.9%	355,290	33.0%	203,385	168,463	33.5%	(34,922)	(17.2%)	
Employer Costs	15.6%	173,280	16.3%	100,679	81,713	16.3%	(18,966)	(18.8%)	
Power	10.4%	115,500	10.3%	63,400	74,321	14.8%	10,921	17.2%	
Chemicals	5.2%	58,040	3.8%	23,500	15,565	3.1%	(7,935)	(33.8%)	
Maint & Repair	16.7%	186,250	15.1%	93,000	69,435	13.8%	(23,565)	(25.3%)	
Lab Tests	1.5%	16,200	1.5%	9,450	8,620	1.7%	(830)	(8.8%)	
Permits	3.2%	35,100	5.7%	35,084	31,901	6.4%	(3,183)	(9.1%)	
Training/Safety	1.1%	12,200	1.3%	8,050	4,489	0.9%	(3,561)	(44.2%)	
Equipment Rental	0.9%	10,200	1.0%	6,450	0.0%	(6,450)	(100.0%)		
Other Direct Costs	13.5%	149,960	11.9%	73,517	47,648	9.5%	(25,869)	(35.2%)	
Operational Expenses	100.0%	1,112,020	100.0%	616,515	502,155	100.0%	(114,360)	(18.5%)	
Sewer Income (Loss)	19.7%	219,206	25.7%	158,742	275,248	54.8%	116,506	73.4%	
29.7% Net Admin Alloc	18.2%	202,373	19.6%	120,817	114,172	22.7%	(6,645)	(5.5%)	
Reserve Expenditures	1.5%	16,836	0.0%	0.0	0.0	0.0%	0.0	0.0%	
Total Net Income (Loss)	0.0%	(3)	6.2%	37,925	161,076	32.1%	123,151	324.7%	
DRAINAGE REVENUES									
Drainage Charges	100.0%	189,270	100.0%	110,411	109,679	100.0%	(732)	(0.7%)	
Interest Earnings	0.0%	50	0.0%	35	50	0.0%	15	42.9%	
Total Drainage Revenues	100.0%	189,320	100.0%	110,446	109,729	100.0%	(717)	(0.6%)	
EXPENSES (excluding depreciation)									
Wages	43.2%	63,770	43.6%	36,505	49,752	51.4%	13,247	36.3%	
Employer Costs	21.1%	31,110	21.6%	18,071	23,613	24.4%	5,542	30.7%	
Power	6.6%	9,800	5.9%	4,900	4,964	5.1%	64	1.3%	
Chemicals	3.4%	5,000	1.8%	1,500	1,158	1.2%	(342)	(22.8%)	
Maint & Repair	8.1%	11,900	8.4%	7,000	9,288	9.6%	2,288	32.7%	
Permits	4.1%	6,000	7.2%	6,000	6,513	6.7%	513	8.6%	
Equipment Rental	3.2%	4,730	1.8%	1,500	0.0%	(1,500)	(100.0%)		
Other Direct Costs	10.5%	15,450	9.9%	8,265	1,508	1.6%	(6,757)	(81.8%)	
Operational Expenses	100.0%	147,760	100.0%	83,741	96,796	100.0%	13,055	15.6%	
Drainage Income (Loss)	28.1%	41,560	31.9%	26,705	12,933	13.4%	(13,772)	(51.6%)	
6.1% Net Admin Alloc	28.1%	41,565	29.6%	24,814	23,450	24.2%	(1,364)	(5.5%)	
Total Net Income (Loss)	0.0%	(5)	2.3%	1,891	(10,517)	-10.9%	(12,408)	(656.2%)	
SECURITY REVENUES									
Security Charges	94.8%	1,268,890	94.8%	740,180	735,751	93.7%	(4,429)	(0.6%)	
Interest Earnings	0.0%	400	0.0%	300	482	0.1%	182	60.7%	
Property Tax	1.4%	19,360	1.4%	11,291	37,940	4.8%	26,649	236.0%	
Property Tax (Reserve Alloc)	0.0%	0.0	0.0%	0.0	(26,647)	-3.4%	(26,647)	0.0%	

Rancho Murieta Community Services District
Budget Performance Report by FUND
YTD THROUGH JANUARY 2017

	% of	Annual	% of	YTD	YTD	% of	YTD VARIANCE	
	Total	Budget	Total	Budget	Actuals	Total	Amount	%
Other Income	3.7%	\$49,160	3.7%	\$28,672	\$37,720	4.8%	\$9,048	31.6%
Total Security Revenues	100.0%	1,337,810	100.0%	780,443	785,246	100.0%	4,803	0.6%
EXPENSES (excluding depreciation)								
Wages	56.5%	677,600	56.7%	391,100	380,671	55.3%	(10,429)	(2.7%)
Employer Costs	32.5%	389,600	32.5%	224,350	239,099	34.7%	14,749	6.6%
Equipment Repairs	0.4%	4,900	0.4%	2,569	2,028	0.3%	(541)	(21.1%)
Vehicle Maintenance	0.8%	9,600	0.8%	5,600	2,375	0.3%	(3,225)	(57.6%)
Vehicle Fuel	1.4%	16,800	1.4%	9,800	8,781	1.3%	(1,019)	(10.4%)
Off Duty Sheriff Patrol	0.3%	4,000	0.6%	4,000	4,024	0.6%	24	0.6%
Other	8.1%	97,030	7.6%	52,569	51,930	7.5%	(639)	(1.2%)
Operational Expenses	100.0%	1,199,530	100.0%	689,988	688,908	100.0%	(1,080)	(0.2%)
Security Income (Loss)	11.5%	138,280	13.1%	90,455	96,338	14.0%	5,883	6.5%
20.3% Net Admin Alloc	11.5%	138,322	12.0%	82,579	77,401	11.2%	(5,178)	(6.3%)
Total Net Income (Loss)	0.0%	(42)	1.1%	7,876	18,937	2.7%	11,061	140.4%
SOLID WASTE REVENUES								
Solid Waste Charges	100.0%	640,000	99.9%	373,338	374,654	99.9%	1,316	0.4%
Interest Earnings	0.0%	300	0.1%	225	489	0.1%	264	117.3%
Total Solid Waste Revenues	100.0%	640,300	100.0%	373,563	375,143	100.0%	1,580	0.4%
EXPENSES (excluding depreciation)								
CWRS Contract	91.7%	555,700	94.1%	324,156	326,142	94.1%	1,986	0.6%
Sacramento County Admin Fee	5.7%	34,800	5.9%	20,300	20,488	5.9%	188	0.9%
HHW Event	2.6%	15,710	0.0%			0.0%		0.0%
Operational Expenses	100.0%	606,210	100.0%	344,456	346,630	100.0%	2,174	0.6%
Solid Waste Income (Loss)	5.6%	34,090	8.5%	29,107	28,513	8.2%	(594)	(2.0%)
5.0% Net Admin Alloc	5.6%	34,069	5.9%	20,340	19,221	5.5%	(1,119)	(5.5%)
Total Net Income (Loss)	0.0%	21	2.5%	8,767	9,292	2.7%	525	6.0%
OVERALL NET INCOME(LOSS)	100.0%	(110)	100.0%	116,192	364,772	100.0%	248,580	213.9%

PREPARED BY: Eric Thompson, Controller

REVIEWED BY: , District Treasurer

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

INVESTMENT REPORT

CASH BALANCE AS OF JANUARY 31, 2017

INSTITUTION	YIELD	BALANCE
-------------	-------	---------

CSD FUNDS

EL DORADO SAVINGS BANK		
SAVINGS	0.03%	\$ 993,113.41
CHECKING	0.02%	\$ 65,273.53
PAYROLL	0.02%	\$ 25,668.93
BANNER BANK		
EFT	0.00%	\$ 5,055.49
LOCAL AGENCY INVESTMENT FUND (LAIF)		
UNRESTRICTED	0.75%	\$ 1,317,545.51
RESTRICTED RESERVES	0.75%	\$ 4,131,188.61
CALIFORNIA ASSET MGMT (CAMP)		
OPERATION ACCOUNT	0.85%	\$ 602,720.05
UNION BANK		
PARS GASB45 TRUST (balance as of 11/30/16)		\$ 1,206,307.88
TOTAL		\$ 8,346,873.41

BOND FUNDS

COMMUNITY FACILITIES DISTRICT NO. 1 (CFD)

BANK OF AMERICA		
CHECKING	0.00%	CLOSED
CALIFORNIA ASSET MGMT (CAMP)		
SPECIAL TAX	0.85%	CLOSED

COMMUNITY FACILITIES DISTRICT NO. 2014-1 (CFD)

BANK OF AMERICA		
CHECKING	0.00%	\$ 518,856.17
WILMINGTON TRUST (balance as of 11/30/16)		
BOND RESERVE FUND	0.02%	\$ 391,730.42
BOND ADMIN EXPENSE	0.02%	\$ 40,434.57
BOND SPECIAL TAX FUND	0.02%	\$ 107,706.49
BOND ACQ & CONSTRUCTION	0.02%	\$ 972.11
BOND REDEMPTION ACCOUNT	0.02%	\$ -
BOND COI	0.02%	\$ -
BOND SURPLUS	0.02%	\$ -

TOTAL ALL FUNDS

\$ 1,059,699.76
\$ 9,406,573.17

The investments comply with the CSD adopted investment policy.

PREPARED BY: Eric Thompson, Controller

REVIEWED BY: Dallene J. Thiel, District Treasurer

HARD CONSTRUCTION COSTS (via Roebbelen)

Project Construction Summary								Source of Funding		
Contractor	Work Type	Contract Amount	% Billed to Date	Amount Billed to Date	Amount Billed This Month	Contract Amount Remaining	CSD	R&B LOC	CFD 2014	
							\$4.358 million	\$4.136 million	\$3.818m Ph 1 \$0.540m Ph 2	
Roebbelen Construction Management Services	General Conditions	781,205	100%	778,393	-	2,812	283,343	249,361	245,689	
River City Painting	Painting	291,000	100%	291,000	-	-	108,803	84,454	97,744	
GE Technology	Membrane Supplier	2,173,800	100%	2,173,800	-	-	776,751	713,767	683,282	
JD Pasquetti	Sitework	555,659	100%	555,659	-	-	315,436	117,474	122,749	
Roebbelen Construction	Fencing	53,640	100%	53,640	-	-	43,254	5,402	4,984	
KG Walters Construction	Mechanical & Plumbing	4,893,000	100%	4,893,000	-	-	1,768,515	1,578,949	1,545,537	
Bockmon & Woody Electric	Electrical	2,370,266	100%	2,369,266	-	1,000	846,761	782,171	740,334	
Marquee	Fire Protection	42,500	100%	42,500	-	-	20,319	2,142	20,039	
Contract Changes	Hardie Board, Temp Filtration, Bird Netting, Taxes, Etc.	483,136	94%	455,086	-	28,051	455,086	-	-	
Total Construction Contracts (with 534,318 Contingency = 11,911,705)		11,644,206	100%	11,612,344	-	31,863	4,618,268	3,533,719	3,460,357	
Change Order Summary										
APPROVED CHANGE ORDERS:										
Max Contract Change Order Amount		534,318								
Shared Completed Change Orders (Invoiced/Paid)		534,502					261,218	109,130	164,153	
CSD Only Completed Change Orders (Invoiced/Paid)*		26,510					26,510			
Approved Change Orders (Not Invoiced)		(35,657)								
Total Completed/Approved CO		525,355								
Amount CO remaining		8,963								
PROPOSED CHANGE ORDERS:										
Amount CO remaining		-								
<i>(if Proposed COs are approved)</i>										
OTHER:										
Bay Area Coating Consulting Services	**Contingency amt outside of Roebbelen contract (approved BOD 11/19/15)	15,000	91%	13,622	-	1,378	4,822	4,577	4,223	
Sholl Construction	**Membrane Sealing contingency amt outside of Roebbelen contract	4,576	100%	4,576	-	-	1,620	1,538	1,419	
* CSD Only Change Orders are in addition to the CSD share of \$4.358m										
Total Adjusted Construction Contracts (hard costs + CO's)		12,189,137					4,912,438	3,648,964	3,630,152	
						Total Billed to Date				

SOFT CONSTRUCTION COSTS (CSD Direct Expenses to be shared equally)

Service Cost Summary							Source of Funding		
Item	Company/Agency	Estimated Soft Cost	Contract/Actual Soft Cost	Amount Billed to Date	Amount Billed This Month	Contract Amount Remaining	CSD	R&B LOC	CFD 2014
							\$4.358 million	\$4.136 million	\$3.818m Ph 1 \$0.540m Ph 2
Preconstruction CM Assistance	Roebbelen CMS	49,049	49,049	49,049	-	-	17,363	16,480	15,205
Design Engineering	HDR Engineering	240,000	239,982	239,982	-	-		239,982	
CEQA NOI/MND	HDR Engineering	40,000	71,070	63,559	-	7,511	5,583	53,088	4,889
Design Geotech	Youngdahl and Associates	3,000	2,600	2,600	-	-	920	874	806
Construction Engineering Assistance	HDR Engineering	150,000	276,328	276,324	-	4	110,247	78,243	87,834
Special Construction Inspection	Youngdahl and Associates	50,000	48,603	48,167	-	436	17,547	15,292	15,328
Misc Fees				709	-	-	251	238	220
SMUD Service	SMUD	5,000	31,632	31,632	-	-	11,198	10,628	9,806
Generator Permit	Sac County Air Quality Mgmt	5,000	5,000	-	-	5,000	-	-	-
State Clearinghouse for CEQA	State of CA	3,000	3,000	-	-	3,000	-	-	-
Fish & Wildlife Agency Permits	State of CA	2,000	2,000	921	-	1,079	326	310	286
Ca Dept Health Review	State of CA	5,000	5,000	-	-	5,000	-	-	-
Road Mitigation	RMA	8,000	12,000	12,000	-	-	4,248	4,032	3,720
CSD Admin, Legal and Engineering (CFD 2014 Max per FSA = \$50K)	CSD	50,000	50,000	275,678	-	-	157,710	67,968	50,000
Total		610,049	796,264	1,000,621	-	22,030	325,393	487,135	188,093

Grand Total (Construction and soft costs)

12,974,788

13,192,175

Additional Info	
Total Retainage to Date:	171,186
Note:	
-- As of September 30, 2015, R&B LOC funding cap had been reached.	
-- As of February 29, 2016, CFD 2014-1 funding cap had been reached.	

Total Hard/Soft Costs	5,237,831	<i>*See Note</i> 4,136,099	3,818,245
Less: Funds Received		(4,136,099)	(3,818,245)
Pending Draw Request		0	0
Total Outstanding Amount		0	0

****CFD 2014-1 Draw Amount Based on Cashflow per FSA**

Change Order Detail ***NO CHANGES DURING JANUARY***

Shared Cost Change Orders (Split between CSD/CFD#1/CFD2014-1):

Completed (Shared) Change Orders:

<u>#</u>	<u>Status</u>	<u>Description</u>	<u>Amt</u>	<u>Remaining</u>
0.028	COMPLETE	Bid Div 28 SCADA console Allowance	\$ 1,738	\$ -
1	COMPLETE	Remove proj contingency from trade contr	\$ -	\$ -
2	COMPLETE	JDP - Drying bed extension shotcrete	\$ 5,648	\$ -
3	COMPLETE	KGW/JDP - FM change of material	\$ 2,888	\$ -
4	COMPLETE	JDP - 2" Conduit for Fiber	\$ 26,264	\$ -
5	COMPLETE	JDP - CLSM trench at lower yard	\$ 3,300	\$ -
6	COMPLETE	JDP - drying bed clean out	\$ 1,882	\$ -
7	COMPLETE	Boring of 2" FM (IBA)	\$ -	\$ -
8	COMPLETE	RFI #024, replace corroded FCA	\$ 6,623	\$ -
9	COMPLETE	RFI #009, TW Booster pump station slab	\$ 6,029	\$ -
10	COMPLETE	ASI #01, check valve/concrete fillet	\$ 7,018	\$ -
11	COMPLETE	NAOH added slab at tank yard	\$ 4,091	\$ -
14	COMPLETE	RFI #28, conduit & chem trench vault conflict	\$ 11,700	\$ -
15	COMPLETE	SWPPP Maintenance	\$ -	\$ -
16	COMPLETE	16" Water Main Repair	\$ 7,000	\$ -
17	COMPLETE	Addl gunite for drying bed extension	\$ 2,946	\$ -
18	COMPLETE	KGW - Door 302 added lockset	\$ 345	\$ -
19	COMPLETE	Zenon - GE dimension Clar.Support Grate	\$ 2,815	\$ -
21	COMPLETE	RFI #19, Transformer Relocation	\$ 1,542	\$ -
22	COMPLETE	Unsuitable soil delays	\$ 17,041	\$ -
23	COMPLETE	Temp Power Switchover	\$ 3,070	\$ -
24	DELETION	RFI #024, deleted ARV at sta 227+47	\$ (5,008)	\$ -
26	COMPLETE	SWPPP Maintenance	\$ -	\$ -
27	DELETION	Upper Tank Yard Pad Prep	\$ (492)	\$ -
30	COMPLETE	RFI #060, relocate 12" line for stair conflt	\$ 1,725	\$ -
35	COMPLETE	RFI #041, CIP Line Relocation	\$ 5,561	\$ -
36	COMPLETE	GE Upgraded Maintenance Table	\$ 5,013	\$ -
38	COMPLETE	CIP Heater Control MCC	\$ 4,415	\$ -
39	COMPLETE	FS Structural Consulting	\$ 1,093	\$ -
40	COMPLETE	Additional Spare Parts	\$ 2,600	\$ -
42	COMPLETE	RFI#043.1 Flocculation covers	\$ 29,745	\$ -
43	COMPLETE	RCMS Trailer Power Hookup	\$ -	\$ -
44	COMPLETE	Temp 3" & 4" hot tap at 16" TW	\$ 8,794	\$ -
45	COMPLETE	1" Motorized ball valves for chlorination equip	\$ 5,306	\$ -
46	COMPLETE	Temp Lab Water Connection (Operations Expense)	\$ 4,501	\$ -
47	COMPLETE	Generator Pad Size Changes	\$ 8,317	\$ -
49	COMPLETE	ASI#03 additional eyewash/shower in basin	\$ 1,855	\$ -
52	COMPLETE	BWW & reject Flow Meters	\$ 26,653	\$ -
57	COMPLETE	SWPPP Maintenance	\$ -	\$ -
58/180	COMPLETE	Temp Filter Trailer Connections (Operations Expense)	\$ 94,781	\$ -
60	COMPLETE	AER (E) Fan Demo and Plywood Vents	\$ 5,860	\$ -
61	COMPLETE	Clay Pipe at pump station	\$ 6,487	\$ -
62	COMPLETE	Unsuitable material under pump station	\$ 6,124	\$ -
63	COMPLETE	R&R Siding at West Side Plant 1	\$ 2,120	\$ -
64	COMPLETE	Additional Painting Control Room Ceiling & Walls	\$ 2,230	\$ -
65	DELETION	Delete control panels & VFD for KGW pumps	\$ (9,300)	\$ -
67	COMPLETE	Dewatering for FM at front of plant	\$ 567	\$ -
69	COMPLETE	RFI #084, Pump Station Bar Beams	\$ 286	\$ -
70	DELETION	Paint (E) Chlorine Room	\$ 3,280	\$ -

<u>#</u>	<u>Status</u>	<u>Description</u>	<u>Amt</u>	<u>Remaining</u>
72	COMPLETE	Modify Crane Stops	\$ 4,700	\$ -
75	COMPLETE	RFI#037, chemical conduit trench pathway	\$ 38,430	\$ -
81	COMPLETE	Lightpole at Pump Station	\$ 4,104	\$ -
83	COMPLETE	Wall opening at backwash basins	\$ 4,939	\$ -
86	COMPLETE	Pipe gallery valves and bolts replacement	\$ 5,360	\$ -
87	DELETION	Reverse CE#70 paint (E) chlorine room	\$ (3,280)	\$ -
89	COMPLETE	RFI#102 Underdrain wall elevation descrcpancy	\$ 1,240	\$ -
90	COMPLETE	2" FM ARV at septic tank	\$ 1,483	\$ -
93	COMPLETE	Concrete fillet at backwash basin conflick with ladder	\$ 659	\$ -
94	COMPLETE	RFI#081 Waterstop at wet well	\$ 1,185	\$ -
95	COMPLETE	TW bell restrain	\$ 549	\$ -
97	COMPLETE	Slide Gates at flocc basin	\$ 10,328	\$ -
98	COMPLETE	Clean CCT basin	\$ 9,946	\$ -
99	COMPLETE	Grating at overflow channel	\$ 4,976	\$ -
100	COMPLETE	Cable Tray rack in basin (power & signal)	\$ 1,823	\$ -
102	COMPLETE	IP camera upgrade	\$ 456	\$ -
106	COMPLETE	Flocculator surrounding concrete uneven	\$ 3,966	\$ -
107	COMPLETE	Modify flocculation covers for relocated slide gates	\$ 4,025	\$ -
114	COMPLETE	Flocc motor power/signal conduit	\$ 12,533	\$ -
115	COMPLETE	Phone line from (e) termination board to (N) PLC	\$ 3,417	\$ -
116	COMPLETE	Generator Slab duck bank conflict	\$ 425	\$ -
117	COMPLETE	RFI#122 Chemical injectors	\$ 2,829	\$ -
118	COMPLETE	Temp Filter Trailer Disassembly	\$ 2,627	\$ -
119	COMPLETE	Handrail extension	\$ 1,247	\$ -
120	COMPLETE	Generator control peripheral module	\$ 2,791	\$ -
121	COMPLETE	RFI#110 safety air exhaust valves	\$ 1,724	\$ -
122	COMPLETE	Plug holes at feed channel pvc	\$ 2,142	\$ -
125	COMPLETE	RFI#145 gable end canopy supports	\$ 11,425	\$ -
127	COMPLETE	Metal studs attachment to structure	\$ 19,148	\$ -
129	COMPLETE	RFI#139 ACH & CLS chemical diffusers	\$ 1,612	\$ -
132	COMPLETE	Replace siding ancillary room & flocc basin	\$ 3,680	\$ -
133	COMPLETE	RFI#133 RW sample pump	\$ 4,119	\$ -
134	COMPLETE	Retaining Wall at pipe gallery	\$ 1,467	\$ -
135	COMPLETE	ASI#03 HCL acid fume scrubber	\$ 1,701	\$ -
136	COMPLETE	RFI#144 Neutralization tank LIT connection	\$ 916	\$ -
138	COMPLETE	Future pump pad	\$ 1,349	\$ -
139	COMPLETE	TWPS hatch drain relocation	\$ 516	\$ -
140	COMPLETE	Membrane covers modify attachment	\$ 2,504	\$ -
144	COMPLETE	Collapsed shoring hole at TWBPS	\$ 3,209	\$ -
145	COMPLETE	Unload & reorganize filters	\$ 2,630	\$ -
146	COMPLETE	Overflow through equip blackout	\$ 989	\$ -
148	COMPLETE	Replace lamps of (E) light poles with LED	\$ 2,531	\$ -
151	COMPLETE	RFI#130.1 Modify control room ductwork	\$ 2,024	\$ -
152	COMPLETE	Field fabricate weir for TWBPS	\$ 929	\$ -
153	COMPLETE	Plant 2 at (E) doorway dryrot (Operations Expense)	\$ 2,020	\$ -
154	COMPLETE	Plant 1 siding dryrot at roof line & control room window	\$ 6,005	\$ -
155	COMPLETE	Air compressor switching panel	\$ 3,664	\$ -
156	COMPLETE	2" bulkhead fitting at upper tank yard	\$ 841	\$ -
158	COMPLETE	ZO & LAC lines relocated	\$ 2,257	\$ -
159	COMPLETE	Replacement of 12" FCA in pipe gallery	\$ 8,129	\$ -
160	COMPLETE	Relocate SCADA server to hallway	\$ 2,195	\$ -
166	COMPLETE	Chemical pipe enclosures	\$ 932	\$ -
167	COMPLETE	Access hatch hold opens	\$ 1,033	\$ -
168	COMPLETE	ASI#2 added backpulse LIT	\$ 12,224	\$ -

<u>#</u>	<u>Status</u>	<u>Description</u>	<u>Amt</u>	<u>Remaining</u>
169	COMPLETE	Add room id signage per submittal	\$ 758	\$ -
171	COMPLETE	Interconnect to district internet	\$ 1,165	\$ -
172	COMPLETE	RFI#168 RW pipe encasement & slab modification	\$ 10,212	\$ -
174	COMPLETE	Additional control wires to plate settler	\$ 899	\$ -
175	COMPLETE	RFI#149 PD line routing modification	\$ 5,662	\$ -
176	COMPLETE	RFI#098 Heat Trace TWBPS	\$ 12,880	\$ -
177	COMPLETE	Relocate RW cyanometer	\$ 4,477	\$ -
178	COMPLETE	Temp piping for comissioning	\$ 1,697	\$ -
181	COMPLETE	ASI#02 piping changes to system	\$ 20,066	\$ -
182	COMPLETE	20-FV-350 control wires to LCP-CON-1002	\$ 1,517	\$ -
183	COMPLETE	TW Sample Line	\$ 1,263	\$ -
184	COMPLETE	Temp CL bypass	\$ 408	\$ -
185	COMPLETE	RFI#175 High level alarm in sump pump	\$ 8,186	\$ -
187	COMPLETE	CIP heater relay box relocation	\$ 3,624	\$ -
188	COMPLETE	NaOH tank heat trace panel	\$ 2,824	\$ -
189	COMPLETE	Blower flow switch 24V POWER	\$ 1,446	\$ -
190	COMPLETE	Lower yard vermin hole exposed during pave prep	\$ 1,500	\$ -
191	COMPLETE	Screens at flash mix overflow	\$ 652	\$ -
192	COMPLETE	AIT-PH-1750, AIT-PH-101 CIF pump signal to GE Panel	\$ 3,207	\$ -
194	COMPLETE	Membrane filter installation	\$ 6,923	\$ -
195	COMPLETE	RFI#1181 relocate feed channel LIT	\$ 1,008	\$ -
196	COMPLETE	RFI#180 Existing pipe gallery sump	\$ 1,090	\$ -
197	COMPLETE	Relocate backpulse LIT	\$ 952	\$ -
203	COMPLETE	Extra Excavation for 18" FLT tie in	\$ 4,785	\$ -
213	COMPLETE	Owner Directed Change Order contingency reimbursemer	\$ 150,243	\$ -
			<u>\$ 796,570</u>	<u>\$ -</u>

Non-Completed (Shared) Change Orders:

<u>#</u>	<u>Status</u>	<u>Description</u>	<u>Amt</u>	<u>Remaining</u>
179	APPROVED	Bird netting at canopy	\$ 28,051	\$ 28,051
207	APPROVED	Owner Change Order #17 Offset	\$ (50,241)	\$ (38,047)
157	APPROVED	Ancillary room (E) soffit opening infill	\$ 2,390	\$ 2,390
			<u>\$ (19,800)</u>	<u>\$ (7,606)</u>

CSD-Only Change Orders:

Completed (CSD-Only) Change Orders:

<u>#</u>	<u>Status</u>	<u>Description</u>	<u>Amt</u>	<u>Remaining</u>
25	COMPLETE	Drying Bed cleanout and sand infill (CSD only)	\$ 13,482	\$ -
34	COMPLETE	Plant 2 SLC Ethernet connection (CSD only)	\$ 8,527	\$ -
12	COMPLETE	Siding Replacement-Hardie Board (CSD only)	\$ 91,466	\$ -
			<u>\$ 113,475</u>	<u>\$ -</u>

Non-Completed (CSD-Only) Change Orders:

<u>#</u>	<u>Status</u>	<u>Description</u>	<u>Amt</u>	<u>Remaining</u>
----------	---------------	--------------------	------------	------------------

MEMORANDUM

Date: February 8, 2017
To: Board of Directors
From: Paul Wagner, Security Chief
Subject: Security Report for the Month of January 2017

OPERATIONS

We are in the process of hiring a new Security Gate Officer for the recently retired Gate Officer Brenda Murphy.

January was "Levee & Flood" watch month during the winter storms. District Security staff worked in partnership with the Water Department staff to monitor specific areas of the levee and river to ensure resident and District safety.

INCIDENTS OF NOTE

January 4: Vehicle struck mailbox and drove up on a resident's lawn area. The driver was contacted by District Security at the scene and had obvious signs of intoxication. California Highway Patrol (CHP) was contacted and arrested the driver for DUI.

January 17: White male adult was reported standing on Yellow Bridge ledge. When contacted by District Security, he became hostile and erratic. He walked to Rancho Murieta Country Club (RMCC) and continued to be incoherent and aggressive with the Security Patrol Officer. Subject was contacted by Chief Wagner at the Retreats entrance. Subject stated he wanted to kill himself (former resident lived with parents and grandparents still live in the south). Medics and Sacramento County Sheriff Department (SSD) was contacted. Subject voluntarily self-committed with the medics to seek physiological evaluation.

RANCHO MURIETA ASSOCIATION COMPLIANCE/GRIEVANCE/SAFETY COMMITTEE MEETING

Meeting was scheduled for Monday, January 9, 2017. Two (2) cases were brought before the Committee for review.

INCIDENT MAP AND EMERGENCY EXIT MAP

Rough draft of the emergency map is available for review. I am planning on reviewing and potentially purchasing a reporting and incident mapping program in 2017 (ISC West for Networking and potential program).

SECURITY DEPARTMENT ASSESSMENT

The Services Agreement between the District and Burns & McDonnell Engineering Company, Inc. was signed on January 26, 2017. The goal is to have the Report in time for the April 2017 Board meeting. Burns and McDonnell is tentatively planning to be in Rancho Murieta during the week of February 21 – 24, 2017 for information gathering, site visit, and conducting meetings with stakeholder groups such as commercial interests, homeowners associations/new development, and residents.

MEMORANDUM

Date: February 7, 2017
To: Board of Directors
From: Paul Siebensohn, Director of Field Operations
Subject: Water/Wastewater/Drainage Update Report for January 2017

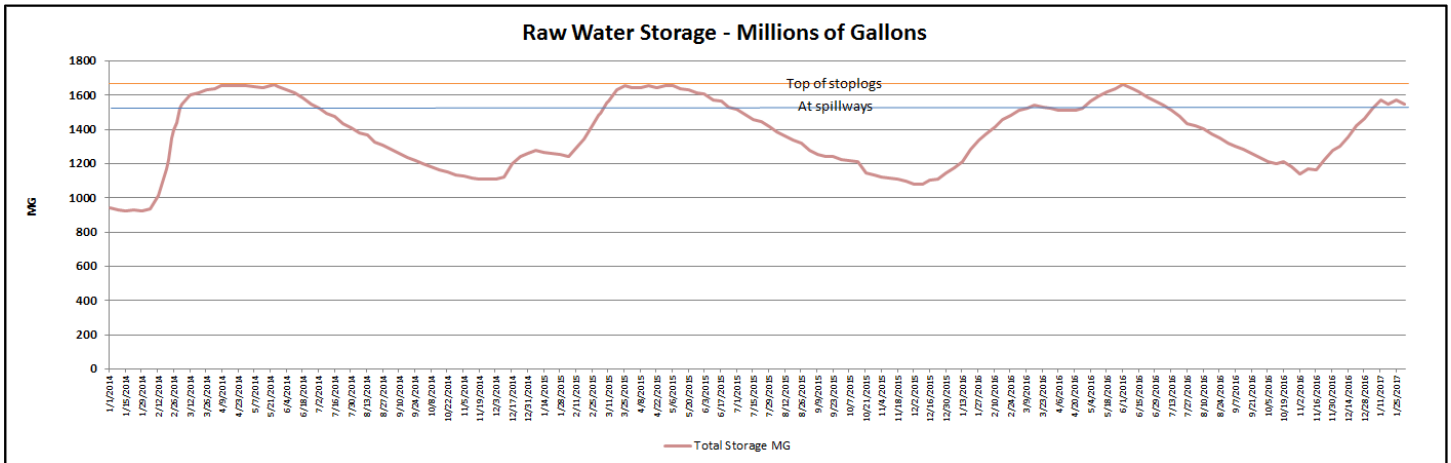
WATER

Plant 1 is still set to operate at 1.0 million gallons per day (mgd), averaging 0.49 mgd of production to provide the community's water needs. Plant 2 is off. Water treatment plant production flow for January was 16,423,000 gallons (50.4 acre-feet).

WATER SOURCE OF SUPPLY

Excessive rainfall continues to fill our reservoirs to the point that each is currently spilling out their spillways. Unfortunately, we are not allowed to put in stoplogs in the spillways until April 15. As of February 1, 2017, the combined raw water storage for Calero, Chesbro, and Clementia Reservoirs, measured approximately 1,547.7 MG (4,749.9 AF) of which 1,383.7 MG (4,246.8 AF) is usable due to dead storage. For Calero and Chesbro Reservoirs alone, storage measured 1,241.2 MG (3,809.3 AF), or 1,191.8 MG (3,356.3 AF) usable. In January 2017, the measured rainfall totaled 11.05" and in February, to date, 2.26". Since the beginning of our water diversion season of November 1, 2016, we have received 18.76" of rain.

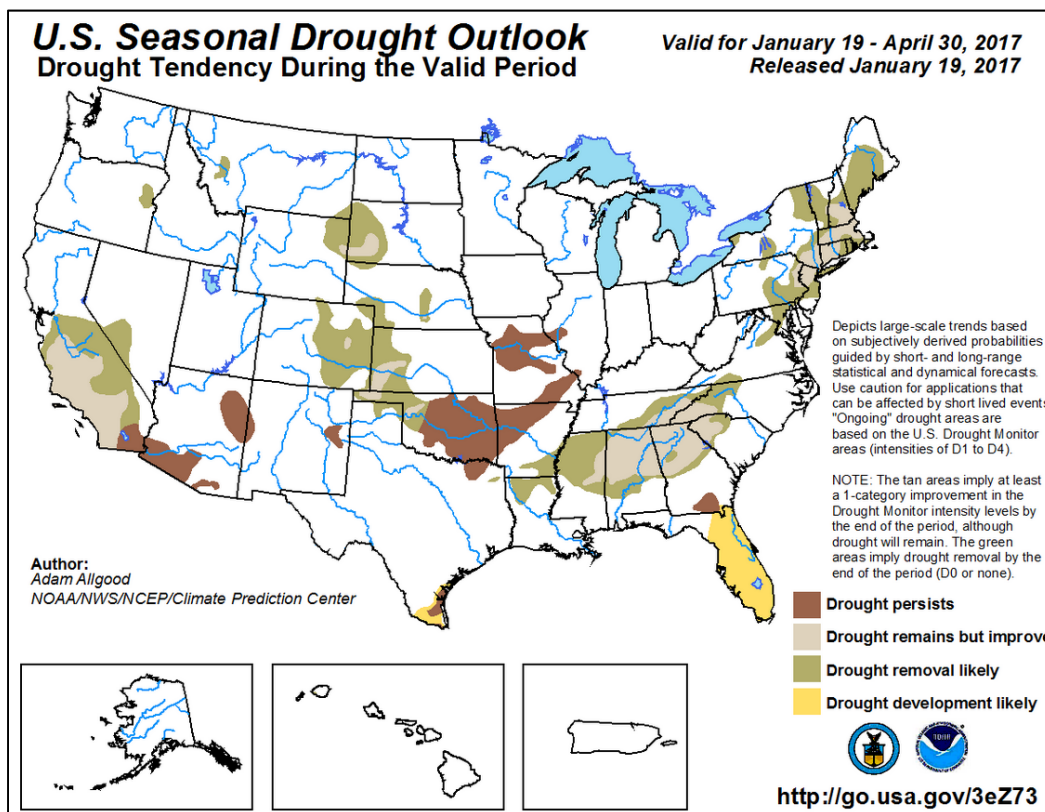
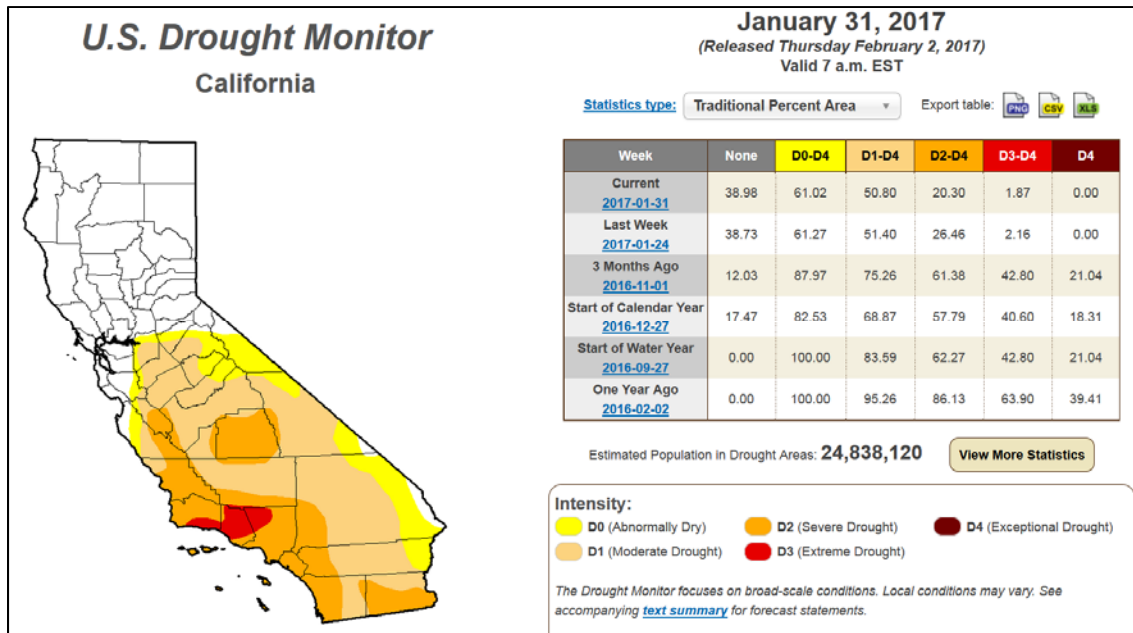
Below is a graphical representation of the storage reservoir levels this year to date.



CONSERVATION

For January, water consumption was approximately 14.3% less than January 2013. The January residential gallons per capita per day usage was at 79.

The US Drought Monitor and US Seasonal Drought graphics for our area have improved even more, as they should have from all of the rain that's been falling, shown below.

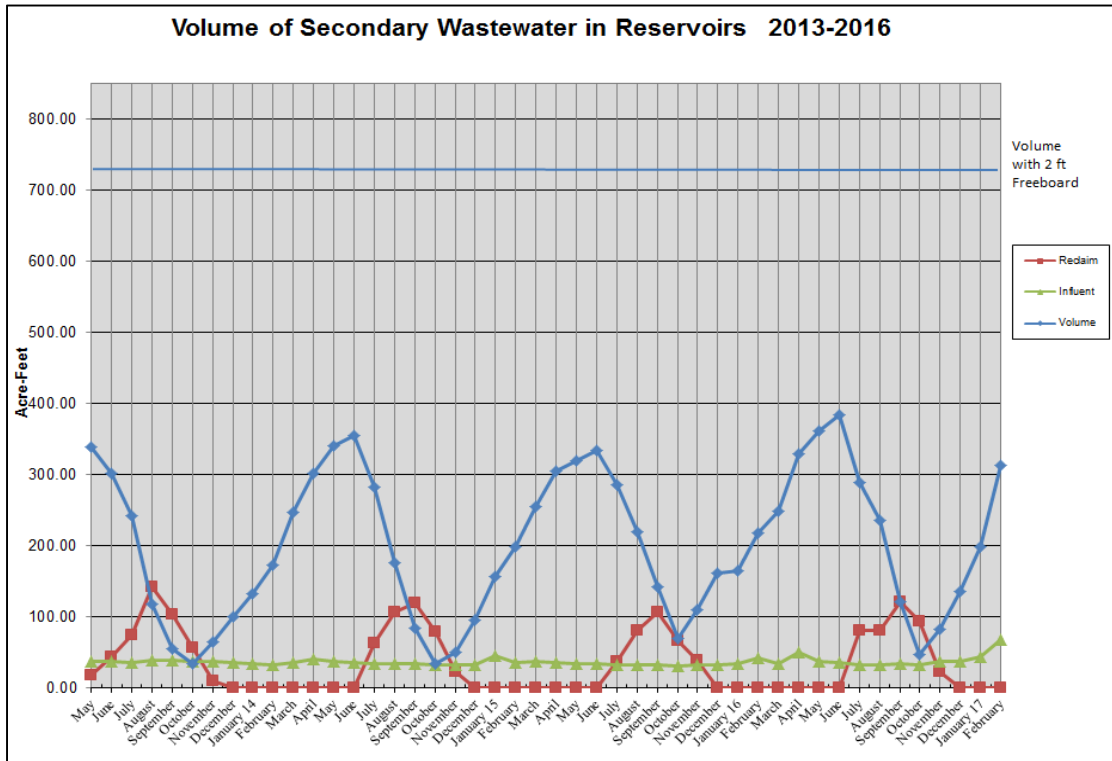


WASTEWATER COLLECTION, TREATMENT, AND RECLAMATION

Influent wastewater flow averaged 0.716 million gallons a day, for a total of 22.201 MG, (68.14 AF). This is approximately 279 gpd per sewer connection. With the high inflows from intrusion and infiltration into the sewer collection system and significant direct rainfall received, the secondary wastewater storage rose a substantial 37.6 MG (115.51 AF) to 102 MG (313.2 AF) as measured February 1, 2017; up from 64.42 MG (197.7 AF) on January 4, 2017. We have 414 acre-feet of secondary storage room left to accommodate inflow as 728 acre-feet is the maximum volume allowed with two feet (2') of freeboard.

The reclamation plant remains off for the winter season. With the secondary accumulation; we anticipate producing recycled water for delivery to the Rancho Murieta Country Club (RMCC) as soon as they are able to accept it, possibly around April 15.

The graph below shows where our secondary storage is compared to previous years, as measured on the first Wednesday of each month.



SEWER COLLECTION

Due to the ground being saturated from the heavy rains, ground water may seep through joints or cracks in manholes, lift stations and pipes which is referred to as intrusion and infiltration (I&I). Staff checked for this in sewer manholes and lift stations in the sewer system. They went through Unit 1 first and compiled a list of manholes with I&I. Staff worked with a contractor for two (2) days to seal off the leaks in some of the worst areas of Unit 1, however there is more to do. As time and weather permits, we will attempt to complete more I&I inspections and repairs.



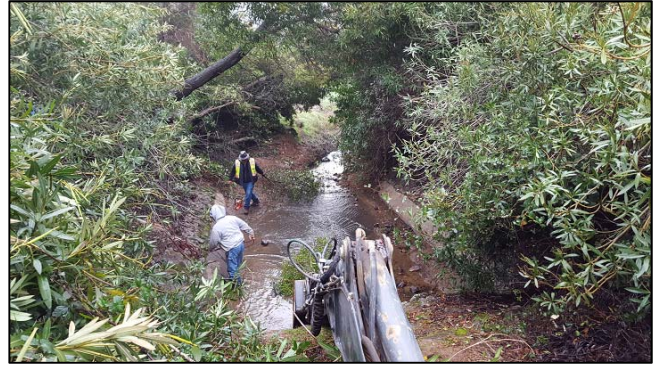
Manhole with I&I



Staff working with contractor to stop I&I in a manhole

STORMWATER AND DRAINAGE

Utility staff continued checking the drainage system for issues and construction sites for BMPs. Due to good review, monitoring, and maintenance no major issues occurred.



Tree that fell over into drainage channel by hole 14 north on Guadalupe Drive that was removed by Utility Staff

WATER METERING AND UTILITY STAFF WORK

This past January Utility staff replaced eight (8) ¾" and one (1) 1" water meter, one (1) meter register, and three (3) MXU radio read units. Staff also completed twenty-nine (29) Utility Star work orders, five (5) rebate inspections, four (4) high usage inspections, and eight (8) underground service alerts (USAs). Three (3) of the six (6) high usage concerns were due to leaking irrigation systems, the rest were actual high use.

Staff is continuing to work on inspecting and servicing all fire hydrants in Rancho Murieta North, with Unit #2, Unit #4, and Unit #6 now completed. Unit #3 is expected to be completed by the end of February. Inspection includes making sure fire hydrants are free from obstructions and accessible, not only for the fire department but for the District water system maintenance. Servicing consists of removing caps, cleaning, and then lubricating threads, running the hydrant to clear any rust that might have formed in the iron pipes that are connected to the fire hydrant, opening fire hydrants to make sure caps seal and checking oil level in the top bonnet and filling, if needed.

If there are obstructions, homeowners are notified and provided with the Sacramento Metropolitan Fire Department's Fire Hydrant Clearance Guide Lines brochure. Homeowners are given two (2) notices to remove whatever may be obstructing the fire hydrant. Obstructions can be bushes, trees, dirt built up, yard ornaments and any landscaping around the fire hydrant. In the common areas, if the ground has been built up too high we will remove what is needed to obtain clearance. Of the first 25 notices, 22 have been brought into compliance with the others to follow soon. A second round of notifications has begun.

SOLAR POWER

Wastewater Treatment Plant Site

The electrical contractor for Solar City, Bockman Woody, has backfilled the new conduits from Jackson Highway to our wastewater plant control building where the tie-in for the new upsized transformer will be. They also completed the transformer pad, the pull vault inside the wastewater plant gate, and paved the areas where asphalt was previously removed. They are now on SMUD's schedule; it will be approximately two (2) weeks before they will be out to install the new transformer and pull in the primary wiring. After that, Bockman Woody will need us to shut down and run off of our generator so they can pull in and connect the secondary wiring. Final step would be for Solar City to verify the power production and monitoring systems to make it active, hopefully by the beginning of March.

Water Treatment Plant Site

The District submitted the paperwork to combine the parcels at the water plant site as required by Sacramento County to approve Solar City's site plans. There has been no response as to when the parcels will be combined, however Solar City reported that since we did this it should be sufficient for Sacramento County to approve their plans. Solar City is in the process of finalizing the electrical routing plan and connection into the water plant switchgear and should get us a copy by the end of this week.

MEMORANDUM

Date: February 10, 2017

To: Board of Directors

From: Darlene J. Thiel, General Manager
Paul Siebensohn, Director of Field Operations

Subject: Consider Approval of Payment of Additional Compensation to Roebbelen Construction Management Services, Inc. Under Sept. 18, 2013 Agreement to Cover Additional Costs to Closeout Zenon Environmental Corporation (dba GE Water & Process Technologies) Contract for Water Treatment Plant Expansion Project

RECOMMENDED ACTION

Approve the Prime Contract Change Order #019 in the amount of \$49,356 as full and final settlement and closeout of the Zenon Environmental Corporation (dba GE Water & Process Technologies) contract for the Water Treatment Plant Expansion Project and authorize the General Manager sign. Funding to come from the WTP Construction Fund Reserve.

BACKGROUND

In June 2016, GE Power & Water submitted a request to Roebbelen to cover additional work due to delays and change of scope. The amount claimed by GE topped at \$110,713 in August 2016. Jeff Dees from Roebbelen has been negotiating back and forth with GE to reach a reasonably acceptable and justifiable amount for the documented delay impacts and change in scope items. On February 2, 2017, GE and Roebbelen agreed on a settlement of \$49,356 pending District Board approval.

Attached is a sequential list of supporting documentation of the negotiations put together by Roebbelen. Jeff Dees will be at the February 15, 2017 Board Meeting to give a brief explanation of the agreed upon settlement and to answer any questions.

Staff recommends approval.



Board Meeting Package

GE Additional Comissioning

RMCS D Water Treatment Plant Expansion

HDR

HDR Engineering
2365 Iron Point Road, Suite 300
Folsom, CA 95630-8709

Rancho Murieta
Community Services District



Serving the community for over 30 years.

Rancho Murieta Community Services District
15160 Jackson Hwy
Rancho Murieta, CA 95630

1241 Hawks Flight Court
El Dorado Hills, CA 95762
p 916.939.4000
f 916.939.4028
www.roebbelen.com

Roebbelen Management, Inc.
Roebbelen Contracting, Inc. CA License #734124
Roebbelen Contracting, Inc. NV License #0056512
Roebbelen Contracting, Inc. OR License #124156
Roebbelen Contracting, Inc. WA License #ROEBBCI967KQ
Roebbelen Construction Management Services, Inc. CA License #808764
ISO 9001: 2008 Certified

Table of Contents

Item	Description		Page
1	GE original proposal (6-24-16)	\$94,403	1
1a	RCMS response (7-22-16)	Rejection	13
2	GE notification response (7-31-16)		14
2a	GE notification backup		15
3	GE revised pricing (8-9-16)	\$110,713	16
4	GE revised pricing (9-1-16)	\$107,677	18
5/5A	RCMS response to revised pricing and request for more backup (9-16-16)		20
6/6A	GE response for backup (10-11-16)		24
7	RCMS review of backup and settlement offer (11-7-16)	\$20,869	49
8	GE response to RCMS review and reprice (1-22-17)	\$67,365	61
9/9A	RCMS review of additional info and settlement offer (2-2-17)	\$49,356	77
10	GE acceptance of RCMS offer 2-2-17	\$49,356	84
11	Prime contract change order for GE added commissioning settlement	\$49,356	85

GE Power & Water
Water & Process Technologies

Jeff Dee
Construction PM
Roebbelen
1241 Hawks Flight Court,
El Dorado Hills,
CA 95762

Joe O'Reilly

3239 Dundas Street West
Oakville, Ontario L6M 4B2
Canada

T 905-465-3030 ext 3173
Joe.reilly@ge.com

June 24, 2016

Subject: Rancho Murrieta, CA Water Treatment Plant
Various design re-work and re-commissioning

Enclosures: Summary of Scope Changes
Details of overruns
Summary of FSR times and dates
Excerpt from Proposal
2016 ES Service Hourly Rates

Dear Jeff:

This letter is being prepared as a result of various scope changes and delays in the execution of this project. GE would like to point out that we accelerated delivery of equipment as requested at great expense which has not been considered in the letter. GE suggests that Water Treatment upgrades of this size and magnitude typically take 4-5 months for installation and 2-3 months for commissioning rather than the 10 and 7 months respectively for this project. Zenon Environmental Corp/ GE Water and Process Technology (hereinafter "GE") is providing this letter outlining the commercial impacts of the delays and changes in scope as follows:

1- Extra Commissioning

The GE proposal included 69 days of commissioning at site including 8 site visits as outlined in the attached excerpt from the GE proposal. Due to various delays etc., we have utilized 107 days over 11 visits. This results in 38 days over what has been contemplated with 3 extra trips. We have deducted 8 days for GE warranty issues and 2 days for FSR overlap resulting in an excess of 28 days which we are considering as a change in scope. The various impacts are outlined in the attached Details of Overruns.

We incurred start up delays due to the status of the installation and wiring when we arrived at site. We have also participated in extensive coordination at site and in the office due to the availability of TESCO and status of their scope.

GE respectively requests \$ 94,403 to cover this incremental work due to these changes in scope which have been outlined in the attached breakdown of the details.

If you have any questions or require additional information, please do not hesitate to contact me.

Very truly yours,

A handwritten signature in blue ink that reads "Joe O'Reilly". The signature is written in a cursive style with a large, stylized "J" and "R".

Joe O'Reilly
Project Manager

**Rancho Murieta, CA WTP
Scope Change Order No. 2**

Various design re-work and commissioning delays detailed in GE letter dated June 24, 2016.

This Scope Change Letter is intended to be binding only upon confirmation of a document signed by all parties.

By signature of all Parties below, this proposal is accepted and binding and forms part of the agreement number PO/Contract No T-43295, 211287 between them dated June 2014.

Accepted by:

Accepted by:

Title: _____

Title: _____

Zenon Environmental Corp./GE Water &
Process Technology

Roebbelen Constructors

Date _____

Date _____

**Rancho Muireta, CA
GE Project No 501096**

Item Description of Scope Change

1 Extra Commissioning

Impact	Material	Hours	Days	Trips	Hourly Rate	Total
PM Labor (Site assistance visit)		48	2	1	\$170	\$8,160
FSR Supervisor (Site assistance visit)		48	2	1	\$170	\$8,160
Electrical Engineering Hardware Labor		22			\$170	\$3,740
Electrical Hardware						\$0
Electrical Controls Labor		11			\$170	\$1,870
Electrical PLC Programming Labor		12			\$170	\$2,040
Electrical HMI Programming Labor		12			\$170	\$2,040
Mechanical Engineering Labor		15			\$170	\$2,550
Mechanical Equipment						\$0
Process Engineering Labor		20			\$170	\$3,400
Trips Taken (FSR)				9		
Total Trips Taken				11		
Trips Sold in Proposal				8		
Extra Trips & Travel time		60		3	\$140	\$8,400
FSR Flat Rates from Service Hourly Rate Sheet						
Non Chargeable Warranty Work etc.						
FSR Hours		280	28		\$140	\$39,200
Air Fare (flat rate)				3	\$850	\$2,550
Lodging, meals & Auto per diem			28		\$250	\$7,000
						\$89,110
Interest on unpaid invoice 6 months at 1.5% per month		\$56,656.70	\$61,950.09			\$5,293
TOTAL						\$94,403

site delays, rescheduling of PT
rescheduling resources due to delays
site impact to in house resources
site impact to in house resources

Breakdown of Extra Commissioning

Commissioning Days used			107
Commissioning Days sold			69
Commissioning Days overrun			38
less GE Warranty			8
GE overlap			2
Net Commissioning Days overrun			28

see activity detail
see activity detail

**Rancho Muireta, CA
GE Project No 501096**

Customer Related Impacts	Hours	
PLC integration	47	Delays and availability of TESCO
Feed water availability issue	36	TESCO Controls
Backpulse system issues	34	TESCO Controls
Membrane installation delay	28	
Non GE supplied equipment issues	26	Tesco scope
All equipment not installed and wiring not completed	23	
Blower air flow switch wiring issue	18	non std wiring & controls
Field wiring issues	14	
CIP sampling pump drawing, document, electrical and program changes	7	
Membrane preservation	6	
Programming changes	6	
Turbidimeter installation issues	6	
Permeate pump drive issue	6	VFD Tuning & failures
Trains faulted due to ACH over dose	3	
Reject pump failure	4	Tesco scope
Blower belt installation, lubrication, alignment	3	
CIP system hydrotesting, faulty disconnect switch	3	
Compressed air system leaking filter housing and compressor lubrication	3	
Removing temporary recirc loop piping	2	
Blower faulty VFD	2	
Changes due to low Sodium Hypochlorite concentration	2	
Changes to pump valve positions	1	
	280	28 days
GE Warranty Impacts		
Instrument warranty	17	
Membrane repair table issues	14	
PLC addressing issue	8	
Programming changes	8	
IO communication between panels	9	
Membrane installation delay	6	
Compressed air issues	6	
Membrane tools issues	5	
Process tuning	2	
Electrical panel and programming	2	
Blocked air compressor excessive run alarm, does not apply to screw compressors	1	
Blackbox cable delivery issue	1	
MIT pressure issue	1	
	80	8 days

Row Labels	Catherine C	Jasjit Mang	Katherine H	Manuel Est	Matthew L	Stewart Ke	Yathukulan	Kaileswara	Site Day	Trip
1/19/2015				2						
1/20/2015				7					1	1
1/21/2015				7					1	
4/29/2015						2				
4/30/2015						1				
5/1/2015						2				
5/4/2015										
5/5/2015										
5/6/2015										
5/7/2015										
5/8/2015										
5/11/2015						1.5				
5/12/2015										
5/13/2015										
5/14/2015										
5/15/2015										
5/18/2015										
5/19/2015					1.75					
5/20/2015					0.75					
5/21/2015					1.75					
5/22/2015					1.75					
5/25/2015					7.5					1
5/26/2015					7.5				1	
5/27/2015					7.5				1	
5/28/2015					7.5					
5/29/2015					1					
6/1/2015					0.25					
6/2/2015					0.25					
6/3/2015					0.25					
6/4/2015					0.25					
6/5/2015					0.25					
6/8/2015					1					
6/9/2015					1					
6/10/2015					1					
6/11/2015					1					
6/12/2015					1					
6/15/2015					0					
6/16/2015					0.25					
6/17/2015					0.25					
6/18/2015					0.25					
6/19/2015										
6/22/2015					0.5					
6/23/2015					0.5					
6/24/2015					0.5					
6/25/2015					0.5					
6/26/2015					0.5					
6/29/2015					0.25					
6/30/2015					0.25					
7/2/2015					0.25					
7/3/2015					0.25					
7/6/2015					0.5					
7/8/2015										
7/9/2015					0.5					
7/10/2015					0.25					
7/13/2015										
7/14/2015					0.25					

7/15/2015					0.25					
7/16/2015					0.25					
7/17/2015					0.25					
7/20/2015					0.25					
7/21/2015					0.25					
7/22/2015					0.25					
7/23/2015					0.25					
7/24/2015					0.25					
7/27/2015					0.25					
7/28/2015					0.25					
7/29/2015					0.25					
7/30/2015					0.25					
7/31/2015					0.25	7.5				
8/3/2015					0	0				
8/4/2015					0.25					
8/5/2015					0.25					
8/6/2015					0.25					
8/7/2015					0.25					
8/10/2015					0.25					
8/11/2015					0.25					
8/12/2015					0.25					
8/13/2015					0.25					
8/14/2015					0.25					
8/17/2015					0.25					
8/18/2015					0.25					
8/19/2015					0.25					
8/20/2015					0.25					
8/21/2015					0.25					
8/24/2015					0.25					
8/25/2015					0.25					
8/26/2015					0.25					
8/27/2015					0.25					
8/28/2015					0.25					
8/31/2015					0.25					
9/1/2015					0.25	6.5				
9/2/2015					0.25	4.5				
9/3/2015					0.25	3.5				
9/4/2015					0.25	4.5				
9/7/2015					0					
9/8/2015					0.5	4				
9/9/2015						2				
9/10/2015					0.5	1				
9/11/2015					0.25	7.5				
9/14/2015					1		6			
9/15/2015					0.5		12			
9/16/2015					1		11.5	1		1
9/17/2015					0.5		11.5	1		
9/18/2015					1		10.5	1		
9/19/2015							10	1		
9/21/2015							11	1		
9/22/2015							12	1		
9/23/2015							11	1		
9/24/2015							12	1		
9/25/2015							10	1		
9/26/2015							7.5	1		
9/27/2015							4	1		
9/28/2015							10	1		

9/29/2015						13		1	
9/30/2015						12			
10/1/2015						8		1	
10/2/2015						8			
10/4/2015						12			
10/5/2015						10.5		1	
10/6/2015						10.5		1	
10/7/2015						10		1	
10/8/2015						10		1	
10/9/2015						10		1	
10/10/2015						8		1	
10/12/2015						12		1	
10/13/2015				1	2.25	9.5		1	
10/14/2015				1	1	10.5		1	
10/15/2015				1		9.5		1	
10/16/2015				1	2.25	9.5		1	
10/17/2015					4	3		0.5	
10/19/2015				1		15		1	
10/20/2015				1		11		1	
10/21/2015				1		10		1	
10/22/2015				1		10		1	
10/23/2015				1		10		1	
10/24/2015						10.5		1	
10/25/2015						12		1	
10/26/2015				1		10		1	
10/27/2015				1		10		1	
10/28/2015				1		10		1	
10/29/2015				1		12		1	
10/30/2015				1		13		0.5	
11/2/2015	17			1		4			1
11/3/2015	8.5			1				1	
11/4/2015	10	8		1				1	
11/5/2015	9.5			1				1	
11/6/2015	11.5			1				1	
11/7/2015	10.5	6				12			1
11/9/2015	4	9.5		1.5	2	10		2	
11/10/2015	3.5	9.5		1.5	6	9		2	
11/11/2015		9.5		0.75		10		2	
11/12/2015		9.5		1.5		11		2	
11/13/2015		9.5		1.5		11		2	
11/14/2015		4				9.5		1.5	
11/15/2015		4				11		1.5	
11/16/2015		11		1		9.5		2	1
11/17/2015		10.5		1		9.5		2	
11/18/2015		10		1		9.5		2	
11/19/2015		10.5		1		9.5		2	
11/20/2015		11		1		9.5		2	
11/21/2015		5				16		0.5	
11/22/2015		2						0.5	
11/23/2015		11		0.25				1	
11/24/2015		12		0.25					
11/25/2015				0.25					
11/26/2015				0.25					
11/27/2015									
11/30/2015									
12/1/2015		8							
12/2/2015						6		1	

12/3/2015					8		1
12/7/2015							
12/10/2015					4		0.5
12/14/2015							
12/15/2015							
12/17/2015							
12/18/2015							
12/22/2015				1			
12/24/2015				1	4		0.5
1/4/2016	2			1			
1/5/2016	18.5			1	2		1
1/6/2016	9			1			1
1/7/2016	9			1			1
1/8/2016	8.5			1			1
1/9/2016	5.5						1
1/11/2016	9.5			1.25			1
1/12/2016	9.5			1.25			1
1/13/2016	9.5			1.25			1
1/14/2016	10			1.25			1
1/15/2016	10			1.25			1
1/16/2016	11.5						1
1/17/2016	10.5						
1/18/2016	1			0.25			
1/19/2016				0.25			
1/20/2016				0.25			
1/21/2016				0.25			
1/22/2016				0.25			
1/25/2016				0.25			
1/26/2016				0.25			
1/27/2016				0.25			
1/28/2016				0.25			
1/29/2016				0.25			
1/31/2016	12						1
2/1/2016	9.5			1			1
2/2/2016	10			1			1
2/3/2016	9.5			1			1
2/4/2016	10			1			1
2/5/2016	11			0.5			
2/8/2016	3.5			0.25			
2/9/2016				0.25			
2/10/2016	5.5			0.25			
2/11/2016				0.25			
2/12/2016	2.5			0.25			
2/16/2016				1			
2/17/2016				1			
2/18/2016	3			1			
2/19/2016	6						
2/22/2016	16			1.5		0.5	1
2/23/2016	11.5			1.5		1	
2/24/2016	11.5			0.75		1	
2/25/2016	10.5			1.5		1	
2/26/2016	10.5			1.5		1	
2/29/2016	9.5			1		1	
3/1/2016	10.5			1		1	
3/2/2016	11.5			1		1	
3/3/2016	10			1		1	
3/4/2016	9.5			1		1	

3/7/2016	10.5				1.5				1	
3/8/2016	10				1.5				1	
3/9/2016	10.5				1.5				1	
3/10/2016	11.5				1.5				1	
3/11/2016	12				1.5				1	
3/12/2016	10.5								1	
3/13/2016	10								1	
3/14/2016	10.5				1				1	
3/15/2016	12				1				1	
3/16/2016	12				1				1	
3/17/2016	12				1				0.5	
3/18/2016	8				0.5					
3/19/2016	8									
3/21/2016	8				1.5					
3/22/2016	3				1.5					
3/23/2016	8				1.5					
3/24/2016	5									
3/28/2016	8									
3/29/2016	2									
3/30/2016	3									
3/31/2016	5									
4/1/2016	5									
4/4/2016										
4/5/2016										
4/6/2016	1.5									
4/7/2016	2									
4/8/2016										
4/11/2016	1									
4/12/2016										
4/13/2016										
4/14/2016										
4/15/2016										
4/18/2016										
4/19/2016	1									
4/20/2016	1.5									
4/21/2016										
4/22/2016										
4/25/2016										
4/26/2016										
4/27/2016										
4/28/2016	2.5									
4/29/2016										
5/2/2016										
5/3/2016										
5/4/2016										
5/5/2016										
5/6/2016										
5/9/2016					1					
5/10/2016					1					
5/11/2016										
5/12/2016										
5/13/2016					1					
5/16/2016										
Grand Total	314	272	105	16	151	65	613.5		107	9



4 Commissioning and Post Commissioning Services

Commissioning Services

With hundreds of full scale Wastewater and Water plants started up and in operation, the Commissioning Department of GE Water & Process Technologies (GE) has developed a powerful infrastructure that provides timely support and management of all commissioning activities. This department takes full responsibility for in-house testing. Seven active PICS (Programmable Industrial Control Simulations) stations are available at GE's Center of Excellence for UF Membrane technology, in Oakville Ontario, for testing newly developed PLC code before deployment. Owner training packages are developed, maintained and delivered by this same group.

Specific field service is included with the equipment supplied to provide the Owner with:

- Technical Assistance to Contractor for equipment installation;
- Technical Assistance for Mechanical Equipment Testing and Demonstration Testing;
- Technical Assistance for Performance Testing; and
- Operator Training.

Summary of Commissioning Services

The following is a summary of the Field/Technical Support Services provided by GE for the 4.0 MGD Rancho Murieta CSD Water Treatment Plant (Phase 1).

Task	No. of Person Days	No. GE Personnel	No. of Trips
Technical Assistance to Contractor for equipment installation	8	1	2
Technical Assistance for Mechanical Equipment Testing/Commissioning	45	1	3
Technical Assistance for Performance Testing	8	1	1
Operator Training	8	1	2
Total	69		8

Programmable Industrial Control Simulation (PICS)

Programmable Industrial Control Simulation (PICS) is a software package that provides a means to simulate plant operation in the office. This advanced software simulates real inputs from an operating plant, which allows the program code to respond as if the plant were actually there. The programmer, together with the GE Service Representative (FSR) assigned to commission the project, test the entire control documentation. This software allows us to test the control logic of the plant to ~90% accuracy - prior to the program, programmer or FSR leaving GE!



GE
Water & Process Technologies

Service Headquarters
3239 Dundas Street West
Oakville, Ontario, CANADA L6M 4B2
Tel: 905 465 3030 Fax: 905 465 5050
Technical Support: 866 271 5425

2015 ES Services Hourly Rates - US Sites		
All currency figures are in US Dollars (USD \$)		
Skill Category		Price/Hour
Technician Level		
Field Service Technician	Product Support Technician	\$ 125
Specialist Level		
Field Service Representative	Membrane Specialist	\$ 140
Commissioning Specialist	Plant Controls Specialist	
Engineer Level		
Project Manager	Electrical/Controls Engineer	\$ 170
Process Engineer	Operator Training Specialist	

For multiple, scheduled site visits, please feel at liberty to request a firm Service Proposal from your Regional Lifecycle Manager.

Scheduling - Service requests should be directed to our Service Headquarters. Business hours for daytime Technical Support by telephone are 8:30am to 17:00pm Eastern Time GMT-5, from Monday to Friday

Conditions

- Travel time will be charged at the applicable Service rate. Travel hours will originate at the GE representative's residence or airport and will end at arrival to the hotel or work site. Travel hours returning after the visit will be calculated in reverse order. Minimum site visit duration - 4 hours including travel time.
- In general GE does not bill overtime. However, a Surcharge may be applied to extraordinary weekend, statutory holiday, overtime, or any urgent call-out for unscheduled emergency work requiring immediate deployment and requiring disruption of already scheduled work. The application of a Surcharge will be determined on a case-by-case basis. Hours in excess of a 10 hour day or a 40 hour work week may be considered overtime. Statutory Holiday rates may be applied based on the statutory holidays prevailing in the country where the work is being performed.
- Lodging, meal and auto expenses will be billed based on a flat, per-diem rate of \$100/day for local service and \$250/day for non-local. Flight expenses will be billed at a flat rate of \$850/return flight unless otherwise specified. Flight change fees initiated by customer will be invoiced at cost +20% administration.
- For extended duration work assignments, staff rotations are scheduled on a monthly basis and may be subject to travel expense charges.
- Supplies, materials or services purchased ad hoc for direct use during service delivery will be charged at actual cost +20% administration.
- State/Provincial taxes, use taxes, withholding taxes and all other taxes are extra where applicable. The Customer is responsible to provide any applicable tax exemption certificates with its purchase order or work order.
- All services provided are governed by the prevailing standard version of the GE Water & Process Technologies Term and Conditions except where specific other terms have been agreed to in writing.
- Rates and conditions are subject to change without notice after 30 days from Customer receipt of this rate sheet.

Labour Quoting Tool GE W&PT - Rev 1.3.xlsm

©GE Water & Process Technologies. Confidential and Proprietary Information - The information contained in this document is submitted for evaluation to the Customer only. Customer agrees not to reveal its contents except to those in Customer's organization as is necessary for evaluation. If the preceding is not acceptable to Customer, this document shall be returned to GE Water & Process Technologies.



July 22, 2016

GE Power & Water
 3239 Dundas Street West
 Oakville, Ontario Canada
 (905) 465-3030

**RE: Rancho Murieta Water Treatment Plant Expansion
 PCO #01 various design re-work and re-commissioning**

Attn: Joe O'Reilly

Joe,

We are in receipt of your proposed change order in the amount of \$94,403 dated June 24, 2016. Upon review of this change we don't see sufficient evidence to support this claim. Pursuant to **Article 7- Changes: Schedule and Delay** of the general conditions EJCDC P-700 and your contract EJCDC-P520 you are to notify the buyer whenever the contract price or schedule will be affected within 15 days of knowing or having a reason to know of the delay. It wasn't until we received this change order that we were to understand that you had been impacted to the point of requiring additional compensation and were seeking an additive change order. Commissioning was completed with final acceptance test and report sent in 4/14/16. From this time to the time of your notification 71 days had elapsed prior to this request of additional costs. Per the above information we deny this change order. Please feel free to contact me with any questions or concerns.

Sincerely,
Roebbelen Contracting Inc.

Jeff Dees
 Project Manager

1241 Hawks Flight Court
 El Dorado Hills, CA 95762
 p 916.939.4000
 f 916.939.4028
 www.roebbelen.com

Roebbelen Management, Inc.
 Roebbelen Contracting, Inc. CA License #734124
 Roebbelen Contracting, Inc. NV License #0056512
 Roebbelen Contracting, Inc. OR License #124156
 Roebbelen Contracting, Inc. WA License #ROEBBCI967KQ
 Roebbelen Construction Management Services, Inc. CA License #808764
 ISO 9001: 2008 Certified

Jeff Dees

From: O'Reilly, Joe (GE Power) <Joe.Reilly@ge.com>
Sent: Sunday, July 31, 2016 2:11 PM
To: Jeff Dees
Cc: Darlene Gillum; Paul Siebensohn; Amber Bane; Joel Gallion; Allen, Christopher1 (GE Power)
Subject: RE: Rancho Muerita, CA.....Scope Change Letter
Attachments: RE: 501096 - Rancho Murieta: Final Things Before Performance Test; Rancho.....Performance Test; RE: Rancho Muerita, CA.....Scope Change Letter

Hi Jeff,

Thanks for your email below.

As you know, I am still on vacation but have taken the time to respond to your email/letter below.

In response to the letter issued below suggesting that Roebbelen/District had not been advised of the commercial impact of the delays in a timely manner, GE responds as follows:

Please find attached two emails dated Nov.19/15 and Feb. 4/16 advising both Roebbelen and the District that GE had exceeded the allocated Commissioning time and that additional charges at our per diem rates would apply due to delays etc. associated with the execution of the contract. These notifications were issued well in advance of the commencement & completion of the Performance Test. The letter was delayed as explained in our attached June 24/16 email due to an outstanding remittance for work completed which was outstanding for over 6 months.

In light of the above, Roebbelen/District are kindly requested to reconsider our attached scope change letter.

Thanks,
joe

From: Jeff Dees [mailto:JeffD@roebbelen.com]
Sent: Friday, July 22, 2016 1:52 PM
To: O'Reilly, Joe (GE Power)
Cc: Darlene Gillum; Paul Siebensohn; Amber Bane; Joel Gallion
Subject: EXT: RE: Rancho Muerita, CA.....Scope Change Letter

Joe,
 We have reviewed your request. See attached letter in response and corresponding GE contract with general conditions for your use.

Thanks,

From: O'Reilly, Joe (GE Power) [mailto:Joe.Reilly@ge.com]
Sent: Friday, July 15, 2016 8:31 AM
To: Jeff Dees <JeffD@roebbelen.com>
Cc: Darlene Gillum <dgillum@ranchomurieta.com>; Paul Siebensohn <psiebensohn@ranchomurieta.com>; Amber Bane <AmberB@roebbelen.com>; Long, Rachel (GE Capital) <Rachel.Long@ge.com>
Subject: RE: Rancho Muerita, CA.....Scope Change Letter

Hi Jeff,

Jeff Dees

From: O'Reilly, Joe (GE Power) <Joe.Reilly@ge.com>
Sent: Thursday, February 04, 2016 6:32 AM
To: Paul Siebensohn
Cc: Lahey, Matt (GE Power); Mangat, Jasjit (GE Power); Jackson, Joel (GE Power)
Subject: Rancho.....Performance Test

Importance: High

Hi Paul,

It appears that we are once again stalled from commencing the PT due to SCADA issues and the delayed engagement from HDR who previously had no comment on the PT.

Our plan was to start PT last Monday, leave on Friday and monitor remotely for the 28 day period.

As previously mentioned, we have exceeded our commissioning budget.

Please advise if we should stay on at our published 2016 per diem rates or leave as planned tomorrow?

Thanks,

Joe

Sent from my BlackBerry 10 smartphone on the Rogers network.

Jeff Dees

From: O'Reilly, Joe (GE Power) <Joe.Reilly@ge.com>
Sent: Tuesday, August 09, 2016 9:46 PM
To: Jeff Dees
Subject: RE: Rancho Muerita, CA.....Scope Change Letter

Hi Jeff,

I did not receive any written comments however further to our discussion, following are explanations of the head office support effort for the out of scope and work arounds due to incomplete installation or unavailability of water or TESCO issues.

Electrical Engineering Hardware Labor		22
Electrical Controls Labor		11
Electrical PLC Programming Labor		12
Electrical HMI Programming Labor		12
Mechanical Engineering Labor		15
		72

The above effort is associated with the office support for the extra 28 days of commissioning as listed below and in our letter.

Remote support to FSR, updating drawings & programming. This support was extended over a 6 month period and is quite small individually when considering each engineering discipline.

Customer Related Impacts	Hours				
PLC integration	47			Delays and availability of T	
Feed water availability issue	36			TESCO Controls	
Backpulse system issues	34			TESCO Controls	
Membrane installation delay	28				
Non GE supplied equipment issues	26			Tesco scope	
All equipment not installed and wiring not completed	23				
Blower air flow switch wiring issue	18			non std wiring & controls	
Field wiring issues	14				
CIP sampling pump drawing, document, electrical and program changes	7				
Membrane preservation	6				
Programming changes	6				
Turbidimeter installation issues	6				
Permeate pump drive issue	6			VFD Tuning & failures	
Trains faulted due to ACH over dose	3				
Reject pump failure	4			Tesco scope	
Blower belt installation, lubrication, alignment	3				
CIP system hydrotesting, faulty disconnect switch	3				
Compressed air system leaking filter housing and compressor lubrication	3				
Removing temporary recirc loop piping	2				

Blower faulty VFD	2				
Changes due to low Sodium Hypochlorite concentration	2				
Changes to pump valve positions	<u>1</u>				
	280	28 days			

Process: 20 hours
 Distribution channel level control and instrument support
 Backpulse pump control, air entrapment, and ramp up
 Low-Flow management for performance test

GE listed the SS beams and embedment's for train #4 as part of the phase 2 expansion. GE was asked to provide these parts for phase 1 which we did and indicated that the impact would be settled at close out. The impact is \$11,650. The Turbidity Meter was replaced under warranty but the defective one valued at \$4,660 has not been returned to GE. These amounts should be added to our scope change claim bringing the total up to **\$110,713**.

Let me know if you need any further clarification.
 I will be back in the office at 10am pst.

Thanks,
 joe

Revised cost to include spools
 and embeds for future tank.
 PCO now \$110,713

From: Jeff Dees [mailto:JeffD@roebbelen.com]
Sent: Tuesday, August 09, 2016 1:58 PM
To: O'Reilly, Joe (GE Power)
Subject: EXT: RE: Rancho Muerita, CA.....Scope Change Letter

I will be calling you back within the hour. Sorry minor emergency.

From: O'Reilly, Joe (GE Power) [mailto:Joe.Reilly@ge.com]
Sent: Tuesday, August 09, 2016 7:15 AM
To: Jeff Dees
Subject: RE: Rancho Muerita, CA.....Scope Change Letter

Hi Jeff,

I have not received the District's comments mentioned below.
 I am available all morning and await your call.

Thanks,
 joe

From: Jeff Dees [mailto:JeffD@roebbelen.com]
Sent: Monday, August 08, 2016 5:18 PM
To: O'Reilly, Joe (GE Power)
Subject: EXT: Re: Rancho Muerita, CA.....Scope Change Letter

Joe,
 Still in a meeting. I'll call you in the AM. I'll try to send you our/districts latest comments tonight.

Thanks,

Rancho Muireta, CA
GE Project No 501096

Item Description of Scope Change

1 Extra Commissioning

Impact	Material	Hours	Days	Trips	Hourly Rate	Total
PM Labor (Site assistance visit)		48	2	1	\$170	\$8,160
FSR Supervisor (Site assistance visit)		48	2	1	\$170	\$8,160
Electrcal Engineering Hardware Labor		22			\$170	\$3,740
Electrical Hardware						\$0
Electrical Controls Labor		16			\$170	\$2,720
Electrical PLC Programming Labor		15			\$170	\$2,550
Electrical HMI Programming Labor		13			\$170	\$2,210
Mechanical Engineering Labor		13			\$170	\$2,210
Mechanical Equipment						\$0
Process Engineering Labor		32			\$170	\$5,440
Trips Taken (FSR)				9		
Total Trips Taken				11		
Trips Sold in Proposal				8		
Extra Trips & Travel time		60		3	\$140	\$8,400
FSR Flat Rates from Service Hourly Rate Sheet						
Non Chargeable Warranty Work etc.						
FSR Hours		280	28		\$140	\$39,200
Air Fare (flat rate)				3	\$850	\$2,550
Lodging, meals & Auto perdiem			28		\$250	\$7,000
						\$92,340
Interest on unpaid invoice 6 months at 1.5% per month		\$56,656.70	\$61,950.09			\$5,293
TOTAL						\$97,633

site delays, rescheduling of PT
rescheduling resources due to delays
site impact to in house resources
site impact to in house resources

Embedded Spool for Train #4 Air \$1,650
 Embedded Spool for Train #4 Permeate \$1,650
 Turbidity Meter \$4,660
 Repair on BP tank \$3,250
 16 solenoids inadvertently shipped and retained as spares \$2,064

TOTAL \$107,677

Breakdown of Extra Commissioning			
Commissioning Days used			107
Commissioning Days sold			69
Commissioning Days overrun			38
less GE Warranty			8
GE overlap			2
Net Commissioning Days overrun			28

see activity detail
see activity detail

Jeff Dees

From: Jeff Dees
Sent: Friday, September 16, 2016 9:57 AM
To: 'O'Reilly, Joe (GE Power)'
Subject: RE: Rancho Muerita, CA.....Scope Change Letter
Attachments: GE closeout proposal.pdf

Joe,
 We have reviewed your request again to the extent of information provided and can't verify the hours for additional FSR and office assistance without more detailed information per the line items. I have tried to break this request up into areas we can review and respond to as to try to clear some areas. See below and attached description.

Item 1: This area is for the support of the FSR in the field for the additional hours. Since this is in relationship to the FSR we would review this with the response to the FSR hours and evaluate.

Item 2: This area is for the travel time for FSR from port to port. They are claiming 60 mh additional for 3 trips which would be 20 mh of travel for each trip. Considering each of them fly to different areas of the country it is hard to evaluate again but I based this off of Sacramento to Canada. Taking the most direct flight it would take about 8 hr of travel time including a 2 hr layover. Since they are claiming \$850 flight that would take account for most flights available with only a single stop. Claiming 10 hr for travel home and travel back seems fair along with the cost. Upon approval of the additional hours and trips we take no objections to this cost.

Item 3: This area is for the additional FSR days. What we need to verify these are specific events for the each line item especially for some of the larger portions of impacts (items 1-8). Specific questions are below:

- 1- (PLC Integration, 47 hours claimed): Please provide specific events and dates that these occurred so we can validate.
- 2- (Feed water availability issues, 34 hours claimed): Please provide specific events and dates that these occurred so we can validate.
- 3- (Backpulse system issues, 34 hours claimed): Please provide specific events and dates that these occurred so we can validate.
- 4- (Membrane installation delay, 28 hours claimed): Please provide specific events and dates that these occurred so we can validate.
- 5- (Non GE supplied equipment issues, 26 hours claimed): Please provide equipment, description of issue, and estimated hours for validation.
- 6- (All equipment not installed and wiring not completed): Please provide specific events and dates that these occurred so we can validate.
- 7- (Blower air flow switch wiring issue, 18 hours claimed): Please provide specific events and dates that these occurred so we can validate.
- 8- (Field wiring issues, 14 hours claimed)- Please provide specific events and dates that these occurred so we can validate.
- 9- (CIP sampling pump drawings, document, electrical, and program changes)- Is this for the sample pump supplied by Client and wiring/integration?
- 10- (Membrane preservation)- Please define what this describing
- 11- (Programing changes)- Please define what changes were made under these hours
- 12- (Turbidity installation inssues)- Is this for alterations to piping, wiring, or integration of the turb meter/s?
- 13- Permeater pump drive issues- The note is for VFD tuning and failures. Wouldn't this be considered part of commissioning for GE supplied equipment?
- 14- (Trains fault due to ACH overdose)- Assuming this was during commissioning can you provide specific date? Is this due to dosing pumps issue or was this manually dosed during early stages?

- 15- (reject pump failure)- Please define what failure you are referring? Was this a wiring issues? Integration issue? Or pump operation issue?
- 16- Blower belt installation, lubrication, and alignment? Was this for installation of the blower belts for both units? If so we had KGW and our team preform the installation of oil and belt drive and had GE confirm installation once complete before rotating. Please advise?
- 17- CIP system hydrotesting (faulty disconnect switch)- Assuming this was for switch wiring?
- 18- Compressed air system filter housing, etc)- We see this as a maintenance item. We had to repeatedly exchange filters and make modifications to GE supplied equipment to the housing leaking causing air to pass through. We brought this up to GE FSR upon start up and realized there was some plastic that needed to be shaved down on the insert causing a separation along with a seal. I believe this is still an issue currently with some leaking occurring at the filters.
- 19- Removing temp recirc looping- This piping was installed with a shut off valve and no disassembly was required to complete commissioning. Is the claim that your forces disassembled the temp piping we installed to complete the loop? If so I believe the district staff removed and capped the train 4 permeate line upon completion. Please advise
- 20- Blower faulty VFD- Was this due to the blower tripping upon start up? If so this would be assumed to be part of commissioning cost and not additional time. From my memory it was a wiring issue and we needed to provide a work around from the blower to the VFD so we could avoid the tripping.
- 21- Changes due to low NAOH- Please define what changes were to be made that caused this additional time?
- 22- Change to pump valve positions- Please define what changes to valve positions were made and why it was additional time?
- 23- Distribution channel level control & instrument support- Please define why this would be additional cost for a LIT that was indicated on the drawings?
- 24- This will be evaluated based on above response for necessary support

Item 4: This area is for interest on unpaid balance. The majority of this was due to confusion by not providing the correct conditional final release for payment. Once the conditional final release was decided to not be supplied because there was additional cost not presented a conditional was provided and payment was processed in full.

Item 5: This area is for tank 4 permeate and air spools. Even though no formal cost was presented during fabrication and shipping we take no objection to the cost. For record it would have been required to provide a bill for additional equipment for approval prior to shipment rather than after the fact.

Item 6: This area is for the turbidity meter. After confirming with the district that they still the turbidimeter they will retain for a spare. We take no objection to this cost.

-BP tank repair- Please define what this is for? The only repair we remembering occurring was for the CIP tank that was damaged due to shipping. The tank arrived damaged and you were notified per the agreement. We assisted in relocating the tank and lifting and support so your forces could safely correct the damaged caused prior to arrival to site. Let me know if this is for another issue?

-Additional solenoids- They are claiming that additional solenoids were shipped to the site by accident on their part and they were never returned by your FSR. We notified you that additional bag of solenoids was sent out and kept it in our trailer till their FSR was onsite at which time we turned over. Throughout the commissioning process these solenoids were used to replace parts on (mostly seals) on the original ones shipped that were leaking. The district is confirming if they have solenoids onsite to return.

Please review the above information and let me know if you have time to discuss early next week so we can confirm each area to put this to a close.

Thanks,

Rancho Muireta, CA
GE Project No 501096

Item Description of Scope Change
1 Extra Commissioning

Impact	Material	Hours	Days	Trips	Hourly Rate	Total
PM Labor (Site assistance visit)		48	2	1	\$170	\$8,160
FSR Supervisor (Site assistance visit)		48	2	1	\$170	\$8,160
Electrical Engineering Hardware Labor		22			\$170	\$3,740
Electrical Hardware						\$0
Electrical Controls Labor		16			\$170	\$2,720
Electrical PLC Programming Labor		15			\$170	\$2,550
Electrical HMI Programming Labor		13			\$170	\$2,210
Mechanical Engineering Labor		13			\$170	\$2,210
Mechanical Equipment						\$0
Process Engineering Labor		32			\$170	\$5,440
Trips Taken (FSR)				9		
Total Trips Taken				11		
Trips Sold in Proposal				8		
Extra Trips & Travel time		60		3	\$140	\$8,400
FSR Flat Rates from Service Hourly Rate Sheet						
Non Chargeable Warranty Work etc.						
FSR Hours		280	28		\$140	\$39,200
Air Fare (flat rate)				3	\$850	\$2,550
Lodging, meals & Auto per diem			28		\$250	\$7,000
Interest on unpaid invoice 6 months at 1.5% per month		\$56,656.70	\$61,950.09			\$92,340
						\$5,293
TOTAL						\$97,633
Embedded Spool for Train #4 Air						\$1,650
Embedded Spool for Train #4 Permeate						\$1,650
Turbidity Meter						\$4,660
Repair on BP tank						\$3,250
16 solenoids inadvertently shipped and retained as spares						\$2,064

site delays, rescheduling of PT
rescheduling resources due to delays
site impact to in house resources
site impact to in house resources

1

2

3

4

5

6

TOTAL \$107,677

Breakdown of Extra Commissioning			
Commissioning Days used			107
Commissioning Days sold			69
Commissioning Days overrun			38
less GE Warranty			8
GE overlap			2
Net Commissioning Days overrun			28

see activity detail
see activity detail

Jeff Dees

From: O'Reilly, Joe (GE Power) <Joe.Reilly@ge.com>
Sent: Tuesday, October 11, 2016 12:04 PM
To: Jeff Dees
Cc: Lahey, Matt (GE Power)
Subject: RE: Rancho Muerita, CA.....Scope Change Letter Validation for Extra Commissioning Time
Attachments: DOC123.pdf

Hi Jeff,

Further to your email below and our telephone discussion, following documents discussed during our phone call are attached for your review.

- Appendix 2 with dates and details of activities considered customer issues/delays and GE warranty issues.
- Appendix 3 with summary of delay/client issues by category and detail of office support .
- Daily Site Journal (DSJ) for Yathu, JAS & Cathy providing dates and details. The time spent relating to non GE issues (claims) are hand written in the right margin.

The attached documents should provide the details requested in order to validate the extra commissioning time and the associated incremental support from the office.

Let me know if you wish to discuss or need further clarification.

Thanks,
joe

From: Jeff Dees [mailto:JeffD@roebbelen.com]
Sent: Tuesday, October 11, 2016 12:03 PM
To: O'Reilly, Joe (GE Power)
Subject: EXT: RE: Rancho Muerita, CA.....Scope Change Letter

Joe,
 Just checking in on the progress per our phone conference. Any idea when I can expect so we can review?

From: Jeff Dees
Sent: Friday, September 16, 2016 9:57 AM
To: 'O'Reilly, Joe (GE Power)' <Joe.Reilly@ge.com>
Subject: RE: Rancho Muerita, CA.....Scope Change Letter

Joe,
 We have reviewed your request again to the extent of information provided and can't verify the hours for additional FSR and office assistance without more detailed information per the line items. I have tried to break this request up into areas we can review and respond to as to try to clear some areas. See below and attached description.

Item 1: This area is for the support of the FSR in the field for the additional hours. Since this is in relationship to the FSR we would review this with the response to the FSR hours and evaluate.

Item 2: This area is for the travel time for FSR from port to port. They are claiming 60 mh additional for 3 trips which would be 20 mh of travel for each trip. Considering each of them fly to different areas of the country it is hard to evaluate again but I based this off of Sacramento to Canada. Taking the most direct flight it would take about 8 hr of

Rancho Muireta, CA
GE Project No 501096
Appendix 2

Refer Daily Site Journals for Details

Date		Hrs		FSR	Description
		Customer	GE		
16-Sep-15	Customer	6.00		Yathu K.	All equipment not installed and wiring not completed
17-Sep-15	Customer	6.00		Yathu K.	All equipment not installed and wiring not completed
18-Sep-15	Customer	6.00		Yathu K.	All equipment not installed and wiring not completed
19-Sep-15	Customer	5.00		Yathu K.	All equipment not installed and wiring not completed
21-Sep-15	Customer	2.00		Yathu K.	Compressed air system leaking filter housing and compressor lubrication
22-Sep-15	Customer	0.50		Yathu K.	Compressed air system leaking filter housing and compressor lubrication
24-Sep-15	Customer	3.00		Yathu K.	CIP system hydrotesting, faulty disconnect switch
24-Sep-15	GE		9.00	Yathu K.	IO communication between panels
25-Sep-15	Customer	5.00		Yathu K.	Field wiring issues
25-Sep-15	GE		3.00	Yathu K.	PLC addressing issue
26-Sep-15	Customer	0.50		Yathu K.	PLC integration
26-Sep-15	GE		6.00	Yathu K.	PLC addressing issue
28-Sep-15	Customer	3.00		Yathu K.	PLC integration
29-Sep-15	Customer	6.00		Yathu K.	PLC integration
5-Oct-15	Customer	2.00		Yathu K.	PLC integration
5-Oct-15	Customer	1.00		Yathu K.	Field wiring issues
6-Oct-15	GE		2.00	Yathu K.	Instrument warranty
7-Oct-15	GE		4.00	Yathu K.	Instrument warranty
8-Oct-15	Customer	1.00		Yathu K.	Field wiring issues
8-Oct-15	GE		6.00	Yathu K.	Instrument warranty
9-Oct-15	Customer	1.00		Yathu K.	Blower belt installation, lubrication, alignment
9-Oct-15	GE		1.00	Yathu K.	Instrument warranty
12-Oct-15	Customer	2.00		Yathu K.	Blower belt installation, lubrication, alignment
12-Oct-15	Customer	3.00		Yathu K.	Field wiring issues
14-Oct-15	Customer	2.00		Yathu K.	Non GE supplied equipment issues
14-Oct-15	Customer	8.00		Yathu K.	Membrane installation delay
15-Oct-15	Customer	2.00		Yathu K.	Blower air flow switch wiring issue
15-Oct-15	GE		1.00	Yathu K.	Blackbox cable delivery issue
15-Oct-15	Customer	6.00		Yathu K.	Membrane installation delay
16-Oct-15	GE		1.50	Yathu K.	Electrical panel and programming
16-Oct-15	Customer	2.00		Yathu K.	Field wiring issues
16-Oct-15	Customer	6.00		Yathu K.	Membrane installation delay
19-Oct-15	GE		3.00	Yathu K.	Membrane installation delay
19-Oct-15	Customer	5.00		Yathu K.	Membrane installation delay
20-Oct-15	GE		3.00	Yathu K.	Membrane installation delay
20-Oct-15	Customer	6.00		Yathu K.	Feed water availability issue
21-Oct-15	Customer	1.00		Yathu K.	Non GE supplied equipment issues
21-Oct-15	Customer	4.00		Yathu K.	Feed water availability issue
22-Oct-15	Customer	4.00		Yathu K.	Feed water availability issue
23-Oct-15	Customer	4.00		Yathu K.	Feed water availability issue
24-Oct-15	Customer	2.00		Yathu K.	Feed water availability issue
24-Oct-15	Customer	2.00		Yathu K.	Non GE supplied equipment issues
25-Oct-15	GE		2.00	Yathu K.	Programming changes
25-Oct-15	Customer	4.00		Yathu K.	Turbidimeter installation issues
26-Oct-15	Customer	4.00		Yathu K.	Non GE supplied equipment issues
27-Oct-15	GE		2.00	Yathu K.	Instrument warranty
27-Oct-15	Customer	4.00		Yathu K.	Non GE supplied equipment issues
28-Oct-15	Customer	1.00		Yathu K.	PLC integration
29-Oct-15	GE		4.00	Yathu K.	Instrument warranty
29-Oct-15	Customer	6.00		Yathu K.	PLC integration
30-Oct-15	Customer	1.00		Yathu K.	Membrane preservation
3-Nov-15	Customer	4.00		Jas M.	PLC integration
4-Nov-15	Customer	3.00		Jas M.	Backpulse system issues
5-Nov-15	Customer	4.00		Jas M.	Backpulse system issues
6-Nov-15	GE		1.00	Jas M.	MIT pressure issue
9-Nov-15	Customer	2.00		Yathu K.	Backpulse system issues
10-Nov-15	Customer	2.25		Yathu K.	Backpulse system issues
10-Nov-15	Customer	2.25		Yathu K.	PLC integration
11-Nov-15	Customer	1.00		Yathu K.	Feed water availability issue
11-Nov-15	Customer	1.00		Yathu K./Jas	Field wiring issues
11-Nov-15	Customer	4.00		Yathu K./Jas	Feed water availability issue
11-Nov-15	Customer	1.00		Yathu K./Jas	Backpulse system issues
11-Nov-15	Customer	1.00		Yathu K./Jas	Field wiring issues
12-Nov-15	Customer	1.00		Yathu K./Jas	Backpulse system issues
12-Nov-15	Customer	1.00		Yathu K./Jas	Feed water availability issue

12-Nov-15	Customer	2.00		Yathu K./Jas	Backpulse system issues
13-Nov-15	Customer	5.00		Yathu K./Jas	Non GE supplied equipment issues
13-Nov-15	GE		2.00	Yathu K./Jas	Programming changes
13-Nov-15	Customer	3.00		Yathu K./Jas	Backpulse system issues
14-Nov-15	Customer	2.00		Yathu K./Jas	Backpulse system issues
14-Nov-15	Customer	2.00		Yathu K./Jas	Backpulse system issues
14-Nov-15	Customer	1.00		Yathu K./Jas	Feed water availability issue
15-Nov-15	Customer	2.00		Yathu K.	Feed water availability issue
16-Nov-15	Customer	2.00		Yathu K.	Feed water availability issue
17-Nov-15	Customer	1.50		Yathu K.	Blower air flow switch wiring issue
17-Nov-15	Customer	1.50		Yathu K.	Backpulse system issues
17-Nov-15	Customer	1.50		Yathu K.	CIP sampling pump drawing, document, electrical and program changes
18-Nov-15	Customer	4.00		Yathu K.	Programming changes
19-Nov-15	Customer	2.00		Yathu K.	PLC integration
20-Nov-15	Customer	2.00		Yathu K.	PLC integration
20-Nov-15	GE		2.00	Yathu K.	Programming changes
23-Nov-15	Customer	5.00		Katie H.	Membrane preservation
24-Dec-15	Customer	4.00		Yathu K.	CIP sampling pump drawing, document, electrical and program changes
6-Jan-16	Customer	1.50		Jas M.	Permeate pump drive issue
6-Jan-16	Customer	1.50		Jas M.	Blower air flow switch wiring issue
7-Jan-16	GE		4.50	Jas M.	Compressed air issues
7-Jan-16	Customer	2.25		Jas M.	Feed water availability issue
7-Jan-16	Customer	2.25		Jas M.	Permeate pump drive issue
8-Jan-16	GE		1.00	Jas M.	Compressed air issues
9-Jan-16	Customer	2.00		Jas M.	Blower air flow switch wiring issue
11-Jan-16	Customer	2.50		Jas M.	Blower air flow switch wiring issue
11-Jan-16	Customer	1.00		Jas M.	Non GE supplied equipment issues
12-Jan-16	Customer	2.00		Jas M.	Reject pump failure
13-Jan-16	Customer	1.00		Jas M.	Reject pump failure
13-Jan-16	Customer	1.00		Jas M.	Blower air flow switch wiring issue
13-Jan-16	Customer	1.00		Jas M.	CIP sampling pump drawing, document, electrical and program changes
14-Jan-16	Customer	1.00		Jas M.	Permeate pump drive issue
14-Jan-16	Customer	1.00		Jas M.	Blower air flow switch wiring issue
14-Jan-16	Customer	1.00		Jas M.	Blower air flow switch wiring issue
15-Jan-16	GE		2.00	Jas M.	Process tuning
16-Jan-16	Customer	1.00		Jas M.	Programming changes
16-Jan-16	GE		3.00	Jas M.	Programming changes
1-Feb-16	Customer	9.50		Jas M.	PLC integration
2-Feb-16	Customer	2.00		Jas M.	Removing temporary recirc loop piping
22-Feb-16	Customer	2.00		Cathy C.	Blower air flow switch wiring issue
23-Feb-16	Customer	1.00		Cathy C.	Non GE supplied equipment issues
23-Feb-16	GE		6.00	Cathy C.	Membrane repair table issues
24-Feb-16	GE		5.25	Cathy C.	Membrane repair table issues
25-Feb-16	Customer	1.00		Cathy C.	Blower air flow switch wiring issue
25-Feb-16	GE		2.50	Cathy C.	Membrane repair table issues
26-Feb-16	Customer	1.00		Cathy C.	Blower air flow switch wiring issue
26-Feb-16	Customer	1.00		Cathy C.	Membrane installation delay
29-Feb-16	Customer	2.00		Cathy C.	Backpulse system issues
2-Mar-16	GE		5.25	Cathy C.	Membrane tools issues
3-Mar-16	Customer	3.00		Cathy C.	Non GE supplied equipment issues
4-Mar-16	Customer	1.00		Cathy C.	Backpulse system issues
4-Mar-16	Customer	1.00		Cathy C.	Feed water availability issue
7-Mar-16	Customer	1.00		Cathy C.	Backpulse system issues
7-Mar-16	Customer	1.00		Cathy C.	Feed water availability issue
8-Mar-16	GE		1.00	Cathy C.	Blocked air compressor excessive run alarm, does not apply to screw compressors
9-Mar-16	Customer	2.00		Cathy C.	Backpulse system issues
9-Mar-16	Customer	2.00		Cathy C.	Blower faulty VFD
9-Mar-16	Customer	1.00		Cathy C.	Changes to pump valve positions
10-Mar-16	Customer	2.00		Cathy C.	Blower air flow switch wiring issue
11-Mar-16	Customer	1.00		Cathy C.	Turbidimeter installation issues
11-Mar-16	Customer	1.00		Cathy C.	Backpulse system issues
12-Mar-16	Customer	5.00		Cathy C.	Backpulse system issues
12-Mar-16	GE		1.00	Cathy C.	Membrane repair table issues
13-Mar-16	Customer	2.50		Cathy C.	Non GE supplied equipment issues
14-Mar-16	Customer	2.00		Cathy C.	Changes due to low Sodium Hypochlorite concentration
15-Mar-16	Customer	6.00		Cathy C.	PLC integration
16-Mar-16	Customer	3.00		Cathy C.	PLC integration
16-Mar-16	Customer	3.00		Cathy C.	Trains faulted due to ACH over dose
Total Hour:		273.00	84.00		
Total Days		27.30	8.40		

**Rancho Muireta, CA
GE Project No 501096
Appendix 3**

	Customer Related Impacts	Hours		PM	Comm Supervisor	Electrical Labour		Mechanical Labor	Process Labor
						HW Design	Controls & Prog		
1	PLC integration	47	Delays due to availability of TESCO		2	0			
2	Feed water availability issue	36	TESCO Controls	1	1	3			4
3	Backpulse system issues	34	TESCO Controls	1	2	2		2	8
4	Membrane installation delay	28		1	2				
5	Non GE supplied equipment issues	25	Tesco scope	2	4	2		4	2
6	All equipment not installed and wiring not completed	23		2	3				2
7	Blower air flow switch wiring issue	18	non std wiring & controls	2	2	4	1	2	2
8	Field wiring issues	14		1	2	4			
9	CIP sampling pump drawing, document, electrical and program changes	7	Pumps supplied by others	1	1		1		
10	Membrane preservation	6	Assistance to preserve membranes before GE left site for extended breaks due to site delays.	1	1	0		2	
11	Programming changes	5		1	1		2		
12	Turbidimeter installation issues	5		2	2	0		2	2
13	Permeate pump drive issue	5	VFD Tuning & failures. This is for delays due to faulty equipment not supplied by GE.	1	1	1		2	
14	Trains faulted due to ACH over dose	3		1	1				2
15	Reject pump failure	3	Tesco scope	1	1				
16	Blower belt installation, lubrication, alignment	3	This is for time GE spent on these activities which are not in GE scope.		1				
17	CIP system hydrotesting, faulty disconnect switch	3	This is for delays due to faulty equipment not supplied by GE.		1				
18	Compressed air system leaking filter housing and compressor lubrication, improper installation of filters	3	This is time spent due to improper installation of filters that were installed out of sequence specified on P&ID.	4	4			4	
19	Removing temporary recirc loop piping	2			1				
20	Blower faulty VFD	2	This is for delays due to faulty equipment not supplied by GE.	1					
21	Changes due to low Sodium Hypochlorite concentration	2							2
22	Changes to pump valve positions	1		1		1	1	1	
23	Distribution channel level control and instrument support			1	1				8
24	Incremental PM/Supervisor co-ordination due to delays			23	14				
25	Total Incremental Hours due to delays and out of scope activities at site and support from office	275							
26	Extra Commissioning Days		27.5						
	Preparing Claim			16	12	1	1	1	1
	Incremental total being claimed			64	60	18	6	20	33
	Actual time during start up			250.5	149	18	6	63	207
	% time considered scope change			25.55%	40.27%	100.00%	100.00%	31.75%	15.94%
	GE Warranty Impacts								
	Instrument warranty	19							
	Membrane repair table issues	14.75							
	PLC addressing issue	9							
	Programming changes	9							
	IO communication between panels	9							
	Membrane installation delay	6							
	Compressed air issues	6							
	Membrane tools issues	5.25							
	Process tuning	2							
	Electrical panel and programming	1.5							
	Blocked air compressor excessive run alarm, does not	1							
	Black box cable delivery issue	1							
	MIT pressure issue	1							
	Total Warranty Hours Credit	84.5							
	GE Warranty Days Credit		8.45						

Daily Site Journal				
GE Information		Customer Information		
Project #:	00501096	Company Name:		
Project Name:	Rancho Murieto CSD WTP retrofit	Contact Name:		
Product:	ZW1000 CUSTOM	Site Address:		
Commissioning Rep:		Customer Signature:		
Date (MM/DD/YYYY)	Commissioning Representative Name	Time In/Out	Time Out/Stop	
14-Sep-2015	Yafu Kallewaran			
15-Sep-2015	Yafu Kallewaran			
16-Sep-2015	Yafu Kallewaran	6:00	16:30	
17-Sep-2015	Yafu Kallewaran	6:15	16:45	
18-Sep-2015	Yafu Kallewaran	6:15	15:05	
19-Sep-2015	Yafu Kallewaran	7:30	16:30	
20-Sep-2015	Yafu Kallewaran			
Date	Tasks Performed, Comments	Overall Work Category	Person Hours	
14-Sep-2015	<ul style="list-style-type: none"> Travel Arrangements Site preparation 	Other	6.0	
15-Sep-2015	<ul style="list-style-type: none"> Travel from Toronto, ON to Folsom, CA 	Travel	12.5	
16-Sep-2015	<ul style="list-style-type: none"> Met with Foremen (Electrical Matt, Mechanical Raymond, Site Super Jeff) P&ID Review/Edt (50% completed) Reviewed vendor compressor switch panel wiring, electrician to wire drawings as per vendor's recommendation 	I/O & Large Equipment Startup	11.5	6
17-Sep-2015	<ul style="list-style-type: none"> SDSP P&ID Review/Edt (75% completed) Reviewed Quincy Compressor/Flow Serve Pumps/Aerzani blower lubrication requirements Verified pump/blower are decoupled for Rotation Test Reviewed plan to install missing sensors/wiring/gauges/equipment with main contractor and sub-contractors 	Installation Assistance	11.5	6
18-Sep-2015	<ul style="list-style-type: none"> P&ID review/edt (completed), Main piping is sufficient enough to proceed Cassette inspection (only 1 cassette indicator is visible, site indicates one cassette has a hall tripped indicator possibly due to contact with direct sunlight for a short period) Pump/blower are decoupled for Rotation Test (delayed until Monday) SDSP Review/Tank Greeting Discussion Main panel electrical wiring verification (w/o power) (25% Completed) Uploaded plant P&ID markup 	I/O & Large Equipment Startup	10.5	12.6
19-Sep-2015	<ul style="list-style-type: none"> Main panel electrical drawing verification (w/o power) (100% Completed) Uploaded electrical documents Sub panel electrical drawing verification (w/o power) (5% Completed) 	I/O & Large Equipment Startup	10.0	18.5
20-Sep-2015				
Distribution: GE Project Manager, GE Commissioning Coordinator			Total Person Hours:	62.0

23



Americas Commissioning

Daily Site Journal

GE Information		Customer Information	
Project #:	00301096	Company Name:	
Project Name:	Rancho Murleta CSD WTP retrofit	Contact Name:	
Product:	ZW1000 CUSTOM	Site Address:	
Commissioning Rep:		Customer Signature:	

Date (MM/DD/YYYY)	Commissioning Representative Name	Time Starting	Time Outgoing
21-Sep-2015	Yathu Kallewaran	7:00	17:00
22-Sep-2015	Yathu Kallewaran	7:00	18:00
23-Sep-2015	Yathu Kallewaran	7:00	17:00
24-Sep-2016	Yathu Kallewaran	7:00	18:00
25-Sep-2019	Yathu Kallewaran	7:00	16:00
26-Sep-2015	Yathu Kallewaran	8:00	14:30
27-Sep-2015	Yathu Kallewaran	10:00	14:00

Date	Tasks Performed/Comments	Overall Work Category	Person Hours
21-Sep-2015	<ul style="list-style-type: none"> Assisted in addition of oil to compressor Completed compressor 1 startup, pressure meets specification, initial inline filter after the compressor appears to be leaking (note: contractors installed mismatched housing and fittings, leaks still present) Main Panel Start up/I/O wiring verification 	Process Startup	11.0
22-Sep-2015	<ul style="list-style-type: none"> HMI & PLC program uploaded I/O rack networking setup ongoing Mechanical contractor addressed leaking inline filter issue, leak no longer exist. 	I/O & Large Equipment Startup	12.0
23-Sep-2015	<ul style="list-style-type: none"> Completed I/O rack networking setup Train 1&2 panel start up I/O wiring verification DI/DO testing (30%) Permeate pumps & CP pump motor rotation check (clockwise verified) Attempted to change client desired IP; will need to troubleshoot ENZT/ENZTR Cards 	I/O & Large Equipment Startup	11.0
24-Sep-2015	<ul style="list-style-type: none"> CP system hydrotesting Train 3 Panel start up (faulty disconnect switch; informed electrical engineer and requested purchase of new disconnect) Compressor 2 startup, switching panel commissioning completed Blower motor rotation testing (clockwise verified) Established network communication between remote I/Os and main panel on ENZT/ENZTR using Bootp/USB/RSLinx 	Installation Assistance	12.0
25-Sep-2015	<ul style="list-style-type: none"> DI/DO testing (95%) Adjusted field wiring to match electrical drawings on main panel common return, Flood PLC addressing for Train 1, 2 & 3 as PLC addressing did not match GE electrical drawing or field wiring hence adjusted LCV valves did not have power on start up; Adjusted field wiring to complete commissioning 	I/O & Large Equipment Startup	10.0
26-Sep-2015	<ul style="list-style-type: none"> IP addressing change to client desired IP; Attempted to ping Tesco supplied IP; Test showed no communication DO Testing (100%), DI Testing (100%), AI (30%), AO (50%) (Calibration and spanning left on AI and AO) 	I/O & Large Equipment Startup	7.5
27-Sep-2015	<ul style="list-style-type: none"> Electrical drawing redlines P&ID drawing redlines Project weekly updates 	Other	4.0

Distributed by: GE Project Manager, GE Commissioning Coordinator | Total Person Hours: 67.5

2
 .5
 3
 5
 .5



Americas Commissioning

Daily Site Journal				
GE Information		Customer Information		
Project #:	00501096	Company Name:		
Project Name:	Rancho Murietta CSD WTP retrofit	Contact Name:		
Product:	ZW1000 CUSTOM	Site Address:		
Commissioning Rep.:		Customer Signature:		
Date MM/DD/YYYY	Commissioning Representative Name	Time In/Leave	Time Out/Leave	
28-Sep-2015	Yashu Kallawaran	7:00	18:30	
29-Sep-2015	Yashu Kallawaran	7:00	19:30	
30-Sep-2015	Yashu Kallawaran			
1-Oct-2015	Yashu Kallawaran	9:00	17:00	
2-Oct-2015	Yashu Kallawaran	9:00	17:00	
3-Oct-2015	Yashu Kallawaran			
4-Oct-2015	Yashu Kallawaran			
Date	Tasks Performed, Comments	Overall Work Category	Person Hours	
28-Sep-2015	<ul style="list-style-type: none"> • Communications testing with TESCO programmers • Assisted TESCO programmers in setting up communication (1 hr) • TESCO IPII Troubleshooting (3 hr delay) • Stray valve calibration • I/O Testing At I95N, AD I95N 	I/O & Large Equipment Startup	100	3
29-Sep-2015	<ul style="list-style-type: none"> • Communications testing with TESCO. Signals communication testing, test point to point I/O operation (3 hr delay) • TESCO continued IPII troubleshooting (3 hr delay) • I/O Testing At I95N, AD I95N, ATI Free Chlorine analyzer setup • MIT air pressure testing and calibration • Travel SFO 	I/O & Large Equipment Startup	130	6
30-Sep-2015	• Travel to YYZ	Travel	120	
1-Oct-2015	<ul style="list-style-type: none"> • Documentation update (Daily site journal, PEID redline upload, E&E redline upload) • ATI free chlorine analyzer setup • Reviewed pressure regulator startup 	Other	80	
2-Oct-2015	<ul style="list-style-type: none"> • Travel receipts • New daily log sheet training • New MPL training 	Other	00	
3-Oct-2015				
4-Oct-2015	<ul style="list-style-type: none"> • Travel to SFO • Travel to Folsom, CA 	Travel	120	
Distributor: GE Project Manager, GE Commissioning Coordinator			Total Person Hours:	55.0

9



Americas Commissioning

Daily Site Journal

GE Information		Customer Information	
Project #:		Company Name:	
Project Name:		Contact Name:	
Product:		Site Address:	
Commissioning Rep.:		Customer Signature:	

Date (MM/DD/YYYY)	Commissioning Representative Name:	Time Insite:	Time Outsite:
5-Oct-2015	Yathu Kaleswaran	7:00	16:30
6-Oct-2015	Yathu Kaleswaran	7:00	16:30
7-Oct-2015	Yathu Kaleswaran	7:00	16:30
8-Oct-2015	Yathu Kaleswaran	7:00	16:00
9-Oct-2015	Yathu Kaleswaran	7:00	16:00
10-Oct-2015	Yathu Kaleswaran	7:00	16:00
11-Oct-2015	Yathu Kaleswaran	7:00	14:00

Date	Tasks Performed, Comments	Overall Work Category	Person Hours
5-Oct-2015	<ul style="list-style-type: none"> •Communications testing with TESCO (2 hr delay) •Completed CIP Pump testing •I/O Testing A1 B5%-Level transmitter to be installed for feed channel and backpulse tank, AO B5%-blower signals to be completed, DI B5%-missing field wiring for PSV, DO B5%, DI B5%, missing FSL wiring for heater (1 hr delay) •Commissioned ATI free chlorine analyzer 	I/O & Large Equipment Startup	10.5
6-Oct-2015	<ul style="list-style-type: none"> •Backpulse pump testing completed •E-H Train 2 U 201 commissioning continued •MIT air pressure testing and calibration completed using PIT on Train 1 	I/O & Large Equipment Startup	10.5
7-Oct-2015	<ul style="list-style-type: none"> •Permeate pump testing completed •E-H Train 2 U 201 commissioning continued 	I/O & Large Equipment Startup	10.5
8-Oct-2015	<ul style="list-style-type: none"> •E-H Train 2 U 201 commissioning continued •Sodium bisulfite pump start up, relay on start up changed to NO from NC. Back pressure setup on downstream PSV and overpressure PSV. •CIP tank level transmitter calibration (tank height=148 in) •CIP heater flowswitch wiring review with contractor 	I/O & Large Equipment Startup	10.0
9-Oct-2015	<ul style="list-style-type: none"> •Hypo, Citric acid, and HCl pump start up. Back pressure set up on down stream PSV and overpressure PSV •Bell installation on the Aerzen blowers •Assisted in lubrication of Aerzen blower motors. •Aerzen blower shaft alignment planning 	I/O & Large Equipment Startup	10.0
10-Oct-2015	<ul style="list-style-type: none"> •Valve timing set on DO Bray valves •Chemical injection pump dosing rate setup for Hypo, Citric acid and HCl •NaOH pump start up; relay on start up changed to NO from NC. Back pressure setup on downstream PSV and overpressure PSV. 	I/O & Large Equipment Startup	8.0
11-Oct-2015			

Distributor: GE Project Manager, GE Commissioning Coordinator Total Person Hours: 59.5

3

1

1

5



Americas Commissioning

Daily Site Journal			
GE Information		Customer Information	
Project #	Company Name		
Project Name	Contact Name		
Product	Site Address		
Commissioning Rep	Customer Signature		
Date (MM/DD/YYYY)	Commissioning Representative Name	Time In/Out	Time Out/In
12-Oct-2015	Yashu Kaleswaran	7:00	18:00
13-Oct-2015	Yashu Kaleswaran	7:00	15:30
14-Oct-2015	Yashu Kaleswaran	7:00	16:30
15-Oct-2015	Yashu Kaleswaran	7:00	15:30
16-Oct-2015	Yashu Kaleswaran	7:00	15:30
17-Oct-2015	Yashu Kaleswaran	8:30	11:30
18-Oct-2015	Yashu Kaleswaran		
Date	Tasks Performed, Comments	Overall Work Category	Person Hours
12-Oct-2015	<ul style="list-style-type: none"> Blower startup completed Assisted in Aerzan blower sheaves alignment (2 hr) A011009M, A1959M, D0289M, D0959M Cassette assembly hardware inspection (HPL item) HCL communication issues fixed. Adjusted GE wiring to match up with mislabeled HCL tank (rework delay of 3 hr) 	UO & Large Equipment Startup	120
13-Oct-2015	<ul style="list-style-type: none"> Discussed 2W1000 cassette installation with Reebien and RGwalters Cassette installation to occur in the early morning to limit membrane exposure to sunlight and heat Glycerin flush to occur for 2-3 days (9-10 tank drains to occur the RMCSD will take 2 samples for COD with one day turnaround) After which the GE plant effluent will be rerouted to the inlet of plant 2. GE designated to account for the volume to plant 2 	Installation Assistance	95
14-Oct-2015	<ul style="list-style-type: none"> Tested reject pump capacity; pumps meet flow requirements. Reject pump flow meter (supplied by others) requires calibration as displayed flow does not match the flow on HPL Tested flow and capacity of neutralization tank. The neutralization tank has the capacity to hold two tank volumes Neutralization tank is the only way to send the glycerin concentrated water into drain. The time required to empty a neutralization tank completely is ~2.5-3 hrs The contractor supplied level transmitters for the feed channel and the backpulse tanks require a supplied power from GE PLC. Guided electrician on electrical wiring into the IO cards accordingly (2 hr) Updated redline drawings to include the main panel drawing changes General 8 hr scheduling delay (Membrane installation was to occur on 14OCT15) 	UO & Large Equipment Startup	105
15-Oct-2015	<ul style="list-style-type: none"> Updated redline drawings and programming to account for changes to the plant and equipment. The low flow for the blowers are wired into the VFD. Low flow would stop VFD, in turn GE PLC would receive a VFD fault not low flow alarm Redirected blackbox cable to the RMCSD address rather than the plant due to the FedB's difficulty of delivering to the plant Set blower switches to a low flow rate relative to the minimum allowable flow of the blower ~15Hz General 8 hr scheduling delay (Membrane flushing to occur on 15OCT15) 	UO & Large Equipment Startup	95
16-Oct-2015	<ul style="list-style-type: none"> Changed main panel labelling for new equipment. Renamed buses to reflect redline drawings Completed FSU-720 calibration. 0% = 0 gpm, 80% = 600 gpm and low flow set at 150 gpm ~4.7% Changed PLC programming for FSU-710 to alarm when relay is energized Attempted to start heater after wiring change by contractors, however the heater would not start on auto or hand. Electrician confirmed that heater issues will be resolved on 19OCT2015 (2 hr delay) General 6 hr scheduling delay (Membrane flushing to continue on 16OCT15) 	UO & Large Equipment Startup	95
17-Oct-2015	<ul style="list-style-type: none"> Daily Updates Project Communication 	Other	30
18-Oct-2015			
Distribution: GE Project Manager, GE Commissioning Coordinator		Total Person Hours:	54.0

5
 10
 8
 8

31

Daily Site Journal			
GE Information		Customer Information	
Project #:		Company Name:	
Project Name:		Contact Name:	
Product:		Site Address:	
Commissioning Rep:		Customer Signature:	
Date (MM/DD/YYYY)	Commissioning Representative Name:	Time (Hours)	Time (Outbreaks)
19-Oct-2015	Yathu Kollaswaran	7:00	2:00
20-Oct-2015	Yathu Kollaswaran	7:00	17:00
21-Oct-2015	Yathu Kollaswaran	7:00	16:00
22-Oct-2015	Yathu Kollaswaran	7:00	16:00
23-Oct-2015	Yathu Kollaswaran	7:00	16:00
24-Oct-2015	Yathu Kollaswaran	8:30	18:00
25-Oct-2015	Yathu Kollaswaran	8:00	19:00
Date	Tasks Performed (Comment to)	Overall Work Category	Person Hours
19-Oct-2015	<ul style="list-style-type: none"> Started membrane installation at 4 am. Almost all parts supplied met the minimum part requirement. Contractor leveled cassette supports to align with permeate header. The Internal Indicator was set off. Installation was able to move forward. An installation issue: a center bolt with a locknut that held the header to the cassette frame had seized. The installers indicated not using umbones will need to clarify with GE Mechanical. The contractor set the manual bolt and replaced both end nut with spacers of similar size and make to complete the installation. Mechanical contractor was instructed to use seal-water on all bolts after the same. Tube assembly on the cassettes were very difficult to adjust for pipe length possibly due to dryness of the O-rings. Membrane map not completed, to be completed later. Permeates could not be flushed according to schedule. The permeate recirculation speed was not tested by the mechanical contractor. Could not get raw water as client was uncomfortable with the raw water automated valve control. Contractor-accepted level transmitter on the feed channel was not calibrated, adding to the difficulty of flushing. 	Membrane Installation	15.0
20-Oct-2015	<ul style="list-style-type: none"> Bubble test indicated several major leaks in piping. Discovered leaks from improper installation of 2 valve assembly and 2 leaks from manufacturer valve assembly with related O-rings. Mechanical contractor could not complete the upset installation in lot. Created list of leaks for contractor FSI to complete, not all test were completed in the allocated time. Will require a return visit from FSI/OFR. Assisted in the calibration of backpulse flow transmitter, rapid flow transmitter, feed channel level transmitter, and backpulse tank level transmitter. Compressor 2 inspection due to excessive noise; cover plate shielding the motor and compressor was removed. The belt alignment appeared to be ok and the noise was not excessive after the cover was removed. Vibration in the cover may be resulting in the excessive noise. Membrane tanks were not drained as client was still uncomfortable with providing raw water with the current valve setup. Membranes require water for flushing (4 hr delay). Client requested to do Hypo class as soon as possible despite recommendation that flushing will provide sufficient cleaning. 	Membrane Installation	11.0
21-Oct-2015	<ul style="list-style-type: none"> Membrane map partially completed. 3 cassette information (module numbers) were not logged. Continued fixing the piping and solving leaks on Train 3 cassettes 1 and 2. Discovered issues with the contractor supplied ultrasonic level transmitters, will need contractor to recalibrate. Raw water supplied manually through automated valve. Adjusted feed valve zero position limit stop as requested by main contractor (4 hour delay to control system manually). Recalibrated trains for 1 hour after train 3 leaks were repaired. 	Membrane Installation	10.0
22-Oct-2015	<ul style="list-style-type: none"> Completed H4 changes for the fill level in the CP tank (1.64 in) and fill level in the membrane tanks (1.78 in). Attempted calibration of the sodium bisulfite pump after re-adjusting backpressure; however the requested flow requires the pump to pump at maximum stroke and frequency, thus we are overcoming the pressure in the pressure check valve and bypassing into the calibration column. Recommendation is to adjust the backpressure in the line to 80 psi and keep the overpressure at 130 psi. The sodium bisulfite pump does not yet have a tote to pump from. 10 hours of flushing occurred with 3 tank drains. Emptied the Hypo Chemical tote. General 4 hour delay due to operating influent flow manually. 	Membrane Installation	10.0
23-Oct-2015	<ul style="list-style-type: none"> 7:30 am started recirculation, overflowing issues due to manual operation of raw water feed valve. Requires contractor programmer to troubleshoot. Completed 6 total tank drains. Samples taken from the permeate piping from each train and submitted to lab for COD analysis. Samples include 1 Raw water and 3 of each of the UF tanks. Discovered issues with the Kobold FSL switch for aeration blower 2 as the start up delay is not working. Attempted to re-spin and power cycle, will need to open a return issue with manufacturer Kobold on Monday Oct 26/15. General 4 hour delay due to operating influent flow manually. 	Membrane Installation	10.0
24-Oct-2015	<ul style="list-style-type: none"> Completed membrane map with assistance for RHMSD operating staff. Ran GE system Train 1 and 2 on Run Mode for a 1 hour duration. Train went into standby as the level transmitter on the backpulse tank is inaccurate. Tesco contractor to troubleshoot. (2 hour delay). General 2 hour delay due to operating influent flow manually. 	Membrane Installation	10.5
25-Oct-2015	<ul style="list-style-type: none"> Attempted calibration of Turbidimeter. Client used 4000 NTU standard against the recommendation of HACH to dilute to the instrumentation required a 0.8 NTU or 800 mNTU standard. RHMSD attempted to dilute to a 1L solution of 800 mNTU but the instrumentation would not accept mixed solution. Instructed RHMSD to procure a 800 mNTU standard solution from HACH for calibration. RHMSD operator cleaned in and around the Turbidimeter as they were dirty from the installation and construction. Completed daily updates transfer into new format. Ran the Train 1 for 1 hour on Auto. PLC setpoint issues with the FEED_CON_LVL_SP.IN as it is not addressed on the H4 but is a necessary setpoint to calculate the trim, follow up with programmer is required. 	Controls Testing	12.0
Distribution: GE Project Manager, GE Commissioning Coordinator		Total Person Hours:	78.5

5
6
4.5
4
4
4
4

32

Daily Site Journal

GE Information		Customer Information	
Project #:		Company Name:	
Project Name:		Contact Name:	
Product:		Site Address:	
Commissioning Rep.:		Customer Signature:	

Date (MM/DD/YYYY)	Commissioning Representative Name:	Time In/Out	Time Out/In
26-Oct-2015	Yashu Kallawaran	7:00	16:30
27-Oct-2015	Yashu Kallawaran	7:00	16:30
28-Oct-2015	Yashu Kallawaran	7:00	16:30
29-Oct-2015	Yashu Kallawaran	7:00	19:30
30-Oct-2015	Yashu Kallawaran	6:45	8:45
1-Nov-2015			
2-Nov-2015			

Date	Tasks Performed, Comments	Overall Work Category	Person Hours
26-Oct-2015	<ul style="list-style-type: none"> TESCO completed code test of removal of all control equipment. Issues noted with SCADA were due to instrumentation located wet in the code. Now general control of the feed flow system and the backwash recovery system. PCH for the Feed Flow now work and are set slow because the 14" butterfly the Tesco contractor installed is sized too big to control flow over the entire range. The control only assists between 30% to 95% of valve opening. Trains is still working on many of the waste control/monitoring/performance issues. Was able to run Train 1, two issues for a while but Train 2 could not be started as K continuously faulted and I could not isolate the fault in the days time period will continue troubleshooting. ED water removed out the HCOH VAC. (Oils Acid issue and tanks cleaned) by blowing them out with air. Met with the HCOH overpressure piping was incorrectly installed as formed main contractor of issue. Requested changes to be made prior to any HCOH testing. Feed channel level transmitter relocated on higher. Readings now indicate like maximum in feed channel. Pipe gallery flooded for the second time. This indicates that drain valves will need to verify possible equipment damage. 	Controls Testing	10.0
27-Oct-2015	<ul style="list-style-type: none"> Ran plant on manual water to provide water into clear well basin for TESCO testing. Discovered issue with backwash basin overflow into clearwell, the overflow is at such a height that the level transmitter will need to be relocated for accurate results at the high end. Informed contractors of backwash transmitter issue. Edited OSC with new feed channel setpoints. Edited HMI and PLC for feed channel setpoints. Discussed lower than expected feed channel level (96 in to 60 in) with Process Engineer who expressed concerns on fill levels, concerns with operating deadband. Tested turbidimeter outputs, turbidimeter 3 had a bad output. Changed output to channel 2. Edited membrane tank setpoints in OSC. 	Controls Testing	10.0
28-Oct-2015	<ul style="list-style-type: none"> Instructed RHCSO and Roebelen that a solution to the flooding pipe gallery is required. Possible solution is a level switch and alarm to either the TESCO PLC. Contacted HAICH about Train 1 turbidimeter issue who advised that the instrument needs to be calibrated with a certified standard. Contacted Kobold USA who advised to contact Kobold Canada. TESCO continues to work on PLC, SCADA and field IO issues. Requested additional inputs from TESCO PLC, clearwell high level. Possible issue with E-H level transmitter for Train 1. The pressure cell appears to be fluctuating. 	Controls Testing	10.0
29-Oct-2015	<ul style="list-style-type: none"> TESCO continued with testing of all equipment, SCADA issues were prominent. Discussed updates and coverage with Matt L and Joe O, Joe will be covering 4 days during the week of 02NOV2015. RHCSO completed piping to Plant 2, awaiting COO results. Filled clearwell for TESCO testing, which did not occur as RHCSO operations were not on site. Replaced Train 1 E-H level transmitter with spare. Informed Roebelen about pipe gallery flooding concern. Master startup completed, FLA is adjusted to 60ANPH by electrical contractor. Set OIP TSH to 107.6 degrees F. Kobold Canada emailed RMA for flow switch, will complete upon return to site. Instructed RHCSO not to use PAC for Plant 1, golds number does not meet GE specifications. Set all level setpoints on HMI PLC. Adjusted TESCO with oxygen. 	Controls Testing	12.0
30-Oct-2015	<ul style="list-style-type: none"> Arrived at site at 6:45 am, emptied all trains. Contractor assisted in adding potable water in membrane tanks. Trains will not be run or recirculated over the weekend. Travel to YYZ. 	Travel	13.0
1-Nov-2015			
2-Nov-2015			

Distribution: GE Project Manager, GE Commissioning Coordinator Total Person Hours: 55.0

4
4
1
6
16

Daily Site Journal

GE Information		Customer Information	
Project #:	00501096	Company Name:	
Project Name:	Rancho Marleta CSD WTP retrofit	Contact Name:	
Product:	ZW1000 CUSTOM	Site Address:	
Commissioning Rep.:		Customer Signature:	

Date (MM/DD/YYYY)	Commissioning Representative Name:	Time In/Out	Time Out/In
2-Nov-2015			
3-Nov-2015			
4-Nov-2015			
5-Nov-2015			
6-Nov-2015			
7-Nov-2015	Varbu Kaleswaran		
8-Nov-2015			

Date	Tasks Performed, Comments	Overall Work Category	Person Hours
2-Nov-2015			
3-Nov-2015			
4-Nov-2015			
5-Nov-2015			
6-Nov-2015			
7-Nov-2015	*Travel to Sacramento	Travel	12.0
8-Nov-2015			

Distributors: GE Project Manager, GE Commissioning Coordinator Total Person Hours: 12.0

Daily Site Journal

GE Information		Customer Information	
Project #:	00501096	Company Name:	
Project Name:	Rancho Marista CSD WTP retrofit	Contact Name:	
Product:	ZW1000 CUSTOM	Site Address:	
Commissioning Rep.:		Customer Signature:	

Date (MM/DD/YYYY)	Commissioning Representative Name	Time In/Out	Time Out/In
9-Nov-2015	Vishu Kollaswaran	7:00	16:00
10-Nov-2015	Vishu Kollaswaran	8:30	17:30
11-Nov-2015	Vishu Kollaswaran	7:00	16:00
12-Nov-2015	Vishu Kollaswaran	7:00	17:00
13-Nov-2015	Vishu Kollaswaran	7:00	17:00
14-Nov-2015	Vishu Kollaswaran	8:00	16:30
15-Nov-2015	Vishu Kollaswaran	8:00	16:00

Date	Tasks Performed, Comments	Overall Work Category	Person Hours
9-Nov-2015	<ul style="list-style-type: none"> On-site meeting with main contractor and electrical contractor Project meeting/updates with GE Controls testing continued for Train 1A/3, backpulse pump startup still an issue. Discussed possible solutions with main contractor and RHMSD E-H level transmitter appears to be falling. Site team attempted wet calibration at full zero and full height. New level transmitter to be purchased. 	Controls Testing	100
10-Nov-2015	<ul style="list-style-type: none"> Reviewed Contractor equipped backwash test to discuss to the backwash transmitter credit for minimal higher. GE to print out alarm ICADA computer team with logging in, instructed code programmer from TESCO Reviewed pit programming from TESCO to set new water valve flow against an GE plant feed flow capacity Reviewed backwash testing and resulting pump startup control programming issues between TESCO PLC and GE PLC. Both PLCs were able to establish communication with their respective equipment but not to each other. GE PLC was able to clear the message block when the test push button on the site but TESCO PLC was not able to clear the message block there. Coordinated with TESCO to have the issue before above re-configuration to clear the alarm, 2 hour delay Continued backwash pump and recovery pump testing on backwash Major pump did not meet the 0.2 in/sec at the start of the backwash cycle even running at 100% flow. May be possible to achieve if max flow was increased to 41 mg Overlaid the backwash recovery logic. The backwash recovery system needs to read GE PLC signal indicating that backwash with respect pumps cannot occur if the backwash recovery system is at high level. Will need to instruct TESCO to read a high alarm Overlaid the feed channel. Channel high alarm shows GE level off but does not deal of the new water level valve. Will test tomorrow a new level transmitter for recovery as priority. 12/23/15 	Controls Testing	90
11-Nov-2015	<ul style="list-style-type: none"> AIT-001 Wiring field wiring issue, the correct pair were not terminated in to the PLC. Terminated into the IO rack, was a spare wiring, site team identified the correct wiring after tracing the line and terminated into the PLC. (1 hour) Confirmed the reject pumps cannot meet .20 in/sec at the start of the backwash for all trains with pumps running at 100% and discharge valves open 100% Sent electrical contractor request to reduce ramp rate on the VFD. Informed that TESCO is off on veterans day and will get an answer by the following morning. RHMSD rerouted inlet flow to standby flocculators from active flocculator to change paddles. One of the standby flocculators had the drain valve to creek left open. The feed channel could not maintain level and disrupted controls testing, it had 	Controls Testing	100
12-Nov-2015	<ul style="list-style-type: none"> Reviewed back pulse pump newly installed back flow into the main panel. Changed IP address to meet customer specifications and verified communication. Test needs to be run in test connection on recovery Feed channel level control system will need to be tested from 40% to 100% operating at high flow, given the smaller operating head due to shorter head channel length. Changed the ramp rates VFD to 10, there was no change in the backpulse pump capability to produce actual flow, all require about 10-15 to pump to push water. Site team will continue with controls testing/reprogramming to account for the large dead time. Site team will start the pump outside the sequence in instead of starting at step 3, the pump will be started at step 1. Will need process engineering and project management approval to help implement. Feed channel/recovery system when the channel level high alarm was triggered. GE plant test shutdown, as per process, TESCO notes that but that off as per process and required a programming change to ensure it does that down as per process. The distribution pumps with ramp pump cannot control channel level of permeate flow of ~1000 gpm TRV 715 changed to PLC HMI/SCADA to match the GE drawings. Training materials created as schedule Approved dates of cascade/decascade for meeting with HDR tech Continued with Controls testing CIP pump cannot maintain 300 gpm when varying flow rate either the re-configuration or the backwash recovery logic. 	Controls Testing	110
13-Nov-2015	<ul style="list-style-type: none"> Continued controls testing and reprogramming of backpulse pump controls. CIP control testing without chemical works well Meeting with Rich HDR and Main Contractor about issues at site Requested by Rich HDR to send controls concern and reprogramming solutions to TESCO HDR will supply sample pumps for turbidity analysis and possibly the CIP sampling system, this will require future programming. Informed Jeff D. of issue with the NaOH overpressurization overflow. The overflow plumbed back into the NaOH tank. It is a major safety concern when running the NaOH system HDR has clarified the use of the combined permeate control valve (it is designed for future use only and should be left 100% open at all times until then) Scheduled training times with RHMSD. In-class training to occur on November 23-24 2015 There are concerns about the ability to discharge the full flow capacity during the performance testing 	Controls Testing	110
14-Nov-2015	<ul style="list-style-type: none"> Continued controls testing and reprogramming of backpulse pump controls. Backwash pumps to be controlled in a series of steps: 100% for 12-15 sec duration then 75% for 2-3 sec duration and finally let the PID loop take over CIP controls testing continued; some alarms occurred but minor, sequence completed successfully Heating to be tested Monday Daily updates/weekly update communication 	Controls Testing	95
15-Nov-2015	<ul style="list-style-type: none"> Continued controls testing and reprogramming of feed channel (L1-301 level sensor) level sensor displayed false low readings when water level is within the deadband of the sensor. Site team reprogrammed in the PLC to minimize the false reading temporarily until HDR/RHMSD/Contractor can install the level transmitter higher, at least 12 inches above the overflow trough Reviewed training documents 	Controls Testing	110

Distribution: GE Project Manager, GE Commissioning Coordinator	Total Person Hours:	775
--	---------------------	-----

2
 4.5
 4.5
 2
 5
 2
 2
 22.5



Daily Site Journal				
Client Information		Customer Information		
Project #:	0201030	Company Name:		
Project Name:	Roche Hazara	Contact Name:		
Product:	ZW 1000 CUSTOM	Site Address:		
Commissioning Rep:		Customer Signature:		
Date (MM/DD/YYYY)	Commissioning Program/Control Name	Time (Hours)	Time (Minutes)	Time (Seconds)
16-Nov-2015	Plant Startup/Controls testing	7:15		11:10
17-Nov-2015	Plant Startup/Controls testing	7:15		11:30
18-Nov-2015	Plant Startup/Controls testing	7:15		11:30
19-Nov-2015	Plant Startup/Controls testing	7:15		11:30
20-Nov-2015	Plant Startup/Controls testing	7:15		11:30
21-Nov-2015	Plant Startup/Controls testing	6:30		12:30
22-Nov-2015	Plant Startup/Controls testing	6:00		10:00
Date	Tasks Performed/ Comments	Overall Work Category	Person	Hours
16-Nov-2015	<ul style="list-style-type: none"> Plant Startup/Controls testing Installed level transmitter on tank 2 to replace broken level transmitter UF3 HT testing - troubleshoot this sequence Increased CIP heater temperature - was taking 4 hours to heat up Wastewater alarm - duration exceeds target alarm feed Began Stack Box Setup Operator training Structure: Process Membrane Filtration basics, Membrane Configuration, Membrane Operation, & Reading PLC's 	Controls Testing	JS	2
17-Nov-2015	<ul style="list-style-type: none"> Plant Startup/Controls testing Verified SP jump 1 and 2 VFD settings on the tower Tested RW sequence again to determine appropriate timing Tried to calibrate pH sensor, did not work, is not getting sample yet Tested Tank drain volume Blower 2 issue - shuts down to quickly will be fixed when electricians wire flow switch into PLC instead of VFD Operator training Structure: Reading Electrical Drawing, & Using Control Documents 	Controls Testing	JS	+5
18-Nov-2015	<ul style="list-style-type: none"> Plant Startup/Controls testing Site Update Meeting Checked CIP pre and post temperature logging in the code Checked CIP pH was logging in code More CLC Tests with numerical data entered in code correctly 	Controls Testing	JS	4
19-Nov-2015	<ul style="list-style-type: none"> Plant Startup/Controls testing Called Kyle for Stack Box Setup Added COM1_P1_SIGNALS tags in PLC code for InSite Team EPROM burn Cancelled burner test before commissioning can be completed - modified HMI about this Talked to Kyle and Markham about Degr setup Teveso Delay - Lost Communication to Teveso PLC, took 2 hours to get back. Lack of control over Teveso Inlet valve caused plant to flood again Operator training Structure: Mechanical Equipment O&M, Equipment Troubleshooting, & Membranes Testing Procedures Structure on UF CIP chemical dosing, or System, & auxiliary Equipment troubleshooting, start up and shut down. Bubble testing and HT understanding 	Controls Testing	JS	2
20-Nov-2015	<ul style="list-style-type: none"> Plant Startup/Controls testing UV and TWP Calculations Compute volume of tanks Added more tags for InSite team in PLC code Teveso - Lost communication to Teveso PLC, had to call Teveso Personnel to get fixed 2 hour delay Computer was being slow often freeze while trying to program. Lost communication to PLC repeatedly while trying to do controls testing Wipe calculation for UV calculation Operator training Structure: Membrane Performance Monitoring, Membranes Performance Parameters, & Fouling Causes Control and Removal Structure on UF Membrane repair 	Controls Testing	JS	2
21-Nov-2015	<ul style="list-style-type: none"> Plant Startup/Commissioning UV calculation after getting help from Joel Read CLC name Emails for replacement parts and updated to-do list 	Controls Testing	JD	
22-Nov-2015	<ul style="list-style-type: none"> Daily Site Journal Timesheet Expenses 	Other		2.0
Distribution of Project Manager, GE Commissioning Coordinator		Total Person Hours		33.0

14.5



Americas Commissioning

Daily Site Journal

GE Information		Customer Information	
Project #:	00501096	Company Name:	
Project Name:	Rancho Murieta	Contact Name:	
Product:	ZW 1000 CUSTOM	Site Address:	
Commissioning Rep.:		Customer Signature:	

Date (MM/DD/YYYY)	Commissioning Representative Name:	Time In (HH:MM)	Time Out (HH:MM)
23-Nov-2015	Katie Heinemann	7:00	5:00
24-Nov-2015	Katie Heinemann	6:00	5:00
25-Nov-2015			
26-Nov-2015			
27-Nov-2015			
28-Nov-2015			
29-Nov-2015			

Date	Tasks Performed, Comments	Overall Work Category	Person Hours
23-Nov-2015	Chlorinated Trains 1 & 2 to protect membranes during period of inactivity Customer will chlorinate train 3 tomorrow after testing permeate piping Finished LRV calculation Answered customer questions Travel to Oakland, CA	Controls Testing	10.0
24-Nov-2015	Travel from Oakland, CA to Minneapolis, MN	Travel	11.0
25-Nov-2015		Controls Testing	
26-Nov-2015		Controls Testing	
27-Nov-2015		Controls Testing	
28-Nov-2015		Controls Testing	
29-Nov-2015		Other	

Distribution: GE Project Manager, GE Commissioning Coordinator Total Person Hours: 21.0

5

5



Americas Commissioning

Daily Site Journal			
GE Information		Customer Information	
Project #:	00501096	Company Name:	
Project Name:	Rancho Murieta CSD WTP retrofit	Contact Name:	
Product:	ZW1000 CUSTOM	Site Address:	
Commissioning Rep.:		Customer Signature:	
Date (MM/DD/YYYY)	Commissioning Representative Name:	Time (HH:MM)	Time (MM/DD/YYYY)
30-Nov-2015	Yathu Kallewaran	0:00	0:00
1-Dec-2015	Yathu Kallewaran	0:00	0:00
2-Dec-2015	Yathu Kallewaran	0:00	0:00
3-Dec-2015	Yathu Kallewaran	0:00	0:00
4-Dec-2015	Yathu Kallewaran	0:00	0:00
5-Dec-2015	Yathu Kallewaran	0:00	0:00
6-Dec-2015	Yathu Kallewaran	0:00	0:00
Date	Tasks Performed, Comments	Overall Work Category	Person Hours
30-Nov-2015			
1-Dec-2015			
2-Dec-2015	+Site update Meeting +PLC program upload, HMI programming upload, routine for P&ID and electrical.	Other	60
3-Dec-2015	+Troubleshooting issues with site +Trip wrap up	Other	80
4-Dec-2015			
5-Dec-2015			
6-Dec-2015			
Distribution: GE Project Manager, GE Commissioning Coordinator		Total Person Hours:	140



Americas Commissioning

Daily Site Journal

GE Information		Customer Information	
Project #:	00501096	Company Name:	
Project Name:	Rancho Murieto CSD WTP retrofit	Contact Name:	
Product:	ZW1000 CUSTOM	Site Address:	
Commissioning Rep:		Customer Signature:	

Date (MM/DD/YYYY)	Commissioning Representative Name	Time In/Leave	Time Out/Leave
7-Dec-2015	Yashu Kallewaran	000	000
8-Dec-2015	Yashu Kallewaran	000	000
9-Dec-2015	Yashu Kallewaran	000	000
10-Dec-2015	Yashu Kallewaran	000	000
11-Dec-2015	Yashu Kallewaran	000	000
12-Dec-2015	Yashu Kallewaran	000	000
13-Dec-2015	Yashu Kallewaran	000	000

Date	Tasks Performed, Comments	Overall Work Category	Person Hours
7-Dec-2015			
8-Dec-2015			
9-Dec-2015			
10-Dec-2015	<ul style="list-style-type: none"> *Site update Meeting *Troubleshooting with site *Trig wrap up 	Other	4.0
11-Dec-2015			
12-Dec-2015			
13-Dec-2015			

Distribution: GE Project Manager, GE Commissioning Coordinator | Total Person Hours: 4.0

Daily Site Journal

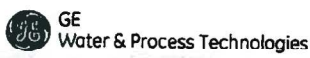
GE Information		Customer Information	
Project #:	00501096	Company Name:	
Project Name:	Rancho Marieta CSO WTP retrofit	Contact Name:	
Product:	ZW1000 CUSTOM	Site Address:	
Commissioning Rep.:		Customer Signature:	

Date (MM/DD/YYYY)	Commissioning Representative NAME	Time In/Leave	Time Out/Leave
21-Dec-2015	Yathu Kallawaran	0:00	0:00
22-Dec-2015	Yathu Kallawaran	0:00	0:00
23-Dec-2015	Yathu Kallawaran	0:00	0:00
24-Dec-2015	Yathu Kallawaran	0:00	0:00
25-Dec-2015	Yathu Kallawaran	0:00	0:00
26-Dec-2015	Yathu Kallawaran	0:00	0:00
27-Dec-2015	Yathu Kallawaran	0:00	0:00

Date	Tasks Performed-Comments	Overall Work Category	Person Hours
21-Dec-2015			
22-Dec-2015			
23-Dec-2015			
24-Dec-2015	*Redline for GP Sampling pump *Program change for GP Sampling pump	Other	4.0
25-Dec-2015			
26-Dec-2015			
27-Dec-2015			
Distribution: GE Project Manager, GE Commissioning Coordinator		Total Person Hours:	4.0

4

4



Americas Commissioning

Daily Site Journal

GE Information		Customer Information	
Project #:	00501096	Company Name:	
Project Name:	Rancho Murieta CSD WTP Retrofit	Contact Name:	
Product:	ZW1000 CUSTOM	Site Address:	
Commissioning Rep.:		Customer Signature:	

Date (MM/DD/YYYY)	Commissioning Representative Name	Time Invoiced	Time Dubbing
4-Jan-2016	Yathu Kaleswaran	0:00	0:00
5-Jan-2016	Yathu Kaleswaran	0:00	0:00
6-Jan-2016	Yathu Kaleswaran	0:00	0:00
7-Jan-2016	Yathu Kaleswaran	0:00	0:00
8-Jan-2016	Yathu Kaleswaran	0:00	0:00
9-Jan-2016	Yathu Kaleswaran	0:00	0:00
10-Jan-2016	Yathu Kaleswaran	0:00	0:00

Date	Tasks Performed, Comments	Overall Work Category	Person Hours
4-Jan-2016			
5-Jan-2016			
6-Jan-2016			
7-Jan-2016	*Verified and uploaded P&ID, EE Drawing *Updated meeting with FSR Jax	Other	2.0
8-Jan-2016			
9-Jan-2016			
10-Jan-2016			

Distribution: GE Project Manager, GE Commissioning Coordinator | Total Person Hours: 2.0

DATE	Assigned By	TRAIN PERFORMER COMMENTS	WORK CATEGORY	Person	Defect	Customer	Out of Service	GE Meter	GE Blower	GE Pump	GE Control	GE Process	Other GE	Total GE	Total Def	Creeds Time (H)	On site Time (H)	Day Held
11/7/2015	Mangat, Jasjit	Travel to San Francisco via Denver, flight delay at Denver (4 hrs), drive from San Francisco to Folsom	Travel	17	No	0	0	No	0	0	0	0	0	0	0	6:00 AM	11:00 PM	00501096-414004828-11/02/2015
11/7/2015	Mangat, Jasjit	Site Orientation with Jeff Dees, WALK THROUGH PHD's, get online with PLC and HMI, getting ready for controls testing. Tesco SCADA upgrades since lunch time, could not do controls testing (4 hrs)	Controls Testing	8.5	Yes	4	0	No	0	0	0	0	0	0	0	7:15 AM	3:45 PM	00501096-414004828-11/03/2015
11/7/2015	Mangat, Jasjit	SETUP TRAIN 1 IN AUTO, VERIFY STANDARD PRODUCTION sequences Controls testing Treated Water BPS pumps logic not working, worked with TESCO to resolve their logic issue (3 hr) delay.	Controls Testing	10	Yes	3	0	No	0	0	0	0	0	0	0	6:45 AM	4:45 PM	00501096-414004828-11/04/2015
11/7/2015	Mangat, Jasjit	Verify PRIME, BACKWASH sequence Controls Testing Drain treated water BPS to let electrician adjust the High and low float switches (2 hr delay) Drain Waste BW Tank with Jeff Dees to allow more room to do backwashes (2 hr delay)	Controls Testing	9.5	Yes	4	0	No	0	0	0	0	0	0	0	6:45 AM	4:15 PM	00501096-414004828-11/05/2015
11/7/2015	Mangat, Jasjit	Run the train for 40 minutes for the city to sample blended water (UF permeate + Raw water), city sees no floc in the sample, advise GE to run start/stop and not continuously BP pumps take longer than 15 secs to get above 600 gpm, Jeff Dees to talk to Design engineers, we need 1598 gpm for 15 seconds MIT sequence check, adjust Pressure Regulating valve to allow more pressure to reach 13 psi during MIT (1 hr delay investigating and adjusting) Controls testing	Controls Testing	11.5	Yes	0	0	Yes	1	0	0	0	0	0	1	7:30 AM	6:30 PM	00501096-414004828-11/06/2015
11/7/2015	Mangat, Jasjit	Travel to Toronto	Travel	10.5	No	0	0	No	0	0	0	0	0	0	0	4:00 AM	2:30 PM	00501096-414004828-11/07/2015
1/5/2016	Mangat, Jasjit	Travel to Folsom, California, (5 hour delay between Toronto and Chicago)	Travel	18.5	Yes	0	0	Yes	0	0	0	0	0	5	5	12:00 AM	12:00 AM	00501096-414004828-01/05/2016
1/5/2016	Mangat, Jasjit	Reach Site, Talk to Dave Hermann about current issues and investigate: 1) Compressors running too long, FSL alarm, MIT falling 2) Blower FSL alarms, randomly falls the blower. 3) Permeate pump Train 2 tripped, tried to reset the breaker, and heard a loud "pop" sound, requested for electrician to investigate, electrician came on site and confirmed drive is bad, Tesco needs to review. Train 2 offline.	Controls Testing	9	Yes	3	0	No	0	0	0	0	0	0	0	8:00 AM	4:00 PM	00501096-414004828-01/06/2016
1/5/2016	Mangat, Jasjit	Compressor cannot keep up during MIT, MIT's falling, influent valve needs to be tuned properly (Tesco tuned it) Investigate leaks on instrument air system and MIT air system. Tesco on site to investigate Train 2 permeate pump VFD, confirmed VFD needs to be replaced. Train 2 offline.	Controls Testing	9	Yes	0	0	Yes	3	1	1	0	0	0	5	8:00 AM	4:00 PM	00501096-414004828-01/07/2016
1/9/2016	Mangat, Jasjit	Bypass primary filter to run MIT, did not fail. Replace primary filter with spare. Primary filter clogged up. Run MIT's on Train 1 and 3 Verify MIT LRV with Joe, change LRV sensitivity Train 2 offline.	Controls Testing	8.5	Yes	0	0	Yes	1	0	0	0	0	0	1	8:00 AM	3:30 PM	00501096-414004828-01/09/2016
1/9/2016	Mangat, Jasjit	Blower fill random events, Setup blower FSL's again. Reject pump 2 failure, so running feedback, pump doesn't start Run MIT's on Trains 1 and 3.	Controls Testing	5.5	No	0	0	No	0	0	0	0	0	0	0	8:00 AM	12:30 PM	00501096-414004828-01/09/2016

3/11/2016	Collett, Catherine	Ordered #131 o-rings from McMaster Carr. Blower info to Matt. Train 3 hi Turb reading (David accidentally hit with cart). Backwash Drain trends - discussions with Joel Jackson. Okay if below -2 inches/sec for less than 10 seconds (at first stack 113"-90") and can increase BP to no more than 20 sec (actual BP time due to pump startup CV times by Keith, Jas and Yuhui). 8AM trends, repair table pics-Pictures of permeate line and BP line. Seems to be air in BP line.	Performance Testing	12	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4:00 PM 00501096-212406178-03/11/2016
3/12/2016	Collett, Catherine	Emails, documentation, VFD changes to Roebelan.	Performance Testing	11	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3:00 PM 00501096-212406178-03/12/2016
3/13/2016	Collett, Catherine	Programming for Channel Low level alarm. Trend Backwash-reaching High Backspule flows over weekend. Checked Perm Temp Transmitter after several days of rain - still dry. Heated Rec Clean Hypo on Train 2. Heated to around 80F. High chlorine concentration since new chlorine delivered (1900 ppm). with operators, diluted to 400-500 ppm for soak overnight. David Herrmann noted that should have heated 15 degrees Celsius (59 F) in less than 4 hours, but did not. will watch on Train 3 heat Tuesday. Reduced Prime time after MIT to eliminate Low Plant Air alarms. David Herrmann noted Temperatures on Permeate and CIP tank are lower than measured manually by operators - will check tomorrow.	Performance Testing	5	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12:00 AM 00501096-212406178-03/13/2016
3/14/2016	Collett, Catherine	Channel level alarm programming with Krista. OSC/CLC updated. Blowers speed set from 63% to 100% per Matt and Robert. Generator bi-weekly testing: caused SCADA and Plant PLC to go down (GE PLC and HMI stayed powered). Caused CIP heater fault on M/C. Traced wires to CIP powered switch in chem room that loses power. No heater fault-due to thermal switch losing power. David Herrmann may add some type of power back up to this. (Non GE). Temp transmitters: checked again in PLC program.	Performance Testing	10.5	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6:00 PM 00501096-212406178-03/14/2016
3/15/2016	Collett, Catherine	Tesco on site. Changed Blower 1 VFD and Testing UPS by turning off power. Verified power outage Faults CIP Heater and showed David Herrmann. Heating CIP tank for Rec Clean on Train 3-Heated to about 78 degrees in 3.5 hours (power out for about 1 hour in middle with total heating time of 3.5 hours). Feed Channel had high dose of ACl, causing low flow alarms on Train 1 and TMPs of -5.8 psi on Train 1 and -4.7 psion Train 2 with perm pumps running approx 70% instead of 50%. Operator Training on screens, TMP, deans, level setpoints, etc.	Performance Testing	12	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4:30 PM 00501096-212406178-03/15/2016
3/16/2016	Collett, Catherine	Fixed to ship part tester back home, print control docs and sent to David Herrmann. Travel home.	Performance Testing	12	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6:30 PM 00501096-212406178-03/16/2016
3/17/2016	Collett, Catherine		Performance Testing	12	No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12:00 AM 00501096-212406178-03/17/2016

44.5



Oct 28, 2016

GE Power & Water
3239 Dundas Street West
Oakville, Ontario Canada
(905) 465-3030

RE: Rancho Murieta Water Treatment Plant Expansion
PCO #01 various design re-work and re-commissioning additional information provided

Attn: Joe O'Reilly

Joe,

We are in receipt of your additional information to your proposed change order. We have completed our review and have attached the marked up calculation sheet (appendix A) for our current findings. We have also supplied the following comments to address the PCO in segments to help clarify (areas 1-7). As discussed this is in review with your contract and affected changes or delays caused by other to your performance.

Area 1 (PM and home office assistance)-

This time in our review is defined as overhead. This labor is not trackable as it is not onsite and is merely to assist with FSR commissioning issues and prevalent throughout commissioning. Per typical contracts this is defined as 15% and has been adjusted based on the currently agreed upon the additional FSR hours. This area also has the travel time and expenses for FSR which for the additional agreed hours we concede would incur one additional trip.

Area 2 (FSR additional hours)-

We have reviewed the additional information provided to clarify the specific comments about additional comments for your claimed 280 additional hours. We have compared the appendix 2 and daily reports to provide our appendix b. This is to clarify comments by the day with the approved hours column dictating acceptable additional hours. In the comparison between your claimed hours and further information we found areas that need further clarification and others than would be considered problems that would be derived during standard commissioning. At the end of the review we have found a total of 57 hours additional due to equipment breadowns, design changes, or other delays.

Area 3 (interest on unpaid invoices)-

This area is for interest on unpaid invoice balance. The majority of this was due to confusion by not providing the correct conditional final release for payment to our accounting department to close out your contract at the time. Once the conditional final release was decided to not be supplied because there was additional cost not presented a conditional was provided and payment was processed in full. This also triggered the transmittal of the additional cost claim which was not provided until this payment issue was resolved.

Area 4 (Embed spools for train 4 air/permeate)-

After review of the email threads regarding the shipping of these embeds it was determined that no cost was claimed at the time of the delivery or until the revised the proposal was sent. Since no notification was made about additional cost pursuant to article 7 of your contract this would be grounds for denial. After review with the district they have decided

1241 Hawks Flight Court
El Dorado Hills, CA 95762
p 916.939.4000
f 916.939.4028
www.roebbelen.com

Roebbelen Management, Inc.
Roebbelen Contracting, Inc. CA License #734124
Roebbelen Contracting, Inc. NV License #0056512
Roebbelen Contracting, Inc. OR License #124156
Roebbelen Contracting, Inc. WA License #ROEBBC1967KQ
Roebbelen Construction Management Services, Inc. CA License #808764
ISO 9001: 2008 Certified



QUALITY CONSTRUCTION SINCE 1964

that this would be necessary as part of future expansion and although notification was not provided per contract can approve the cost of (\$3,300).

Area 5 (Turbidity meter)-

The turbidity meter was sent out to replace the malfunctioning turbidimeter sent per contract and swapped out. The district retained the additional malfunctioning turbidimeter but incurred cost (\$425 appendix C) to repair the other meter. This additional cost was used to offset part of the approved "new" meter cost as outlined in area 4.

Area 6 (repairs to BP tank)-

As our email notification (12/4/14) has stated the tank was damaged at the time of arrival to the site. This was transmitted via email and noted on the shipping tag upon delivery. This cost is to be bared by the others as it was damaged upon arrival.

Area 7 (16 solenoid valves)-

The claimed solenoid valves were transmitted as additional in error by GE. RCMS informed them about the additional solenoids sent out and retained until FSR was onsite. These were to be sent back to GE but this never occurred by GE staff. During commissioning the solenoids installed per contract were found to have multiple seals that were leaking and these additional solenoids were used to replace those internal seals. In later conversations with you it was discussed to not pursue these costs.

Please be aware we have completed our review of the additional information provided for your proposal in detail in the hopes of coming to an amicable solution. As delineated in previous responses the proposal did not follow the notification procedures as laid out in your contract per article 7. After our review of these materials and per Appendix A calculation we find justification for a total amount of \$20,869 additional cost for commissioning. Let me know if you have any questions or would like to meet to discuss our findings.

Sincerely,
Roebbelen Contracting Inc.

Jeff Dees
Project Manager

Rancho Muireta, CA
GE Project No 501096

Item Description of Scope Change

1 Extra Commissioning

Impact	Material	Hours	Days	Trips	Hourly Rate	Total
PM Labor (Site assistance visit)		48	2	1	\$170	\$8,160
FSR Supervisor (Site assistance visit)		48	2	1	\$170	\$8,160
Electrical Engineering Hardware Labor		22			\$170	\$3,740
Electrical Hardware						\$0
Electrical Controls Labor		16			\$170	\$2,720
Electrical PLC Programming Labor		15			\$170	\$2,550
Electrical HMI Programming Labor		13			\$170	\$2,210
Mechanical Engineering Labor		13			\$170	\$2,210
Mechanical Equipment						\$0
Process Engineering Labor		32			\$170	\$5,440
Trips Taken (FSR)				9		
Total Trips Taken				11		
Trips Sold in Proposal				8		
Extra Trips & Travel time		30	60	1	\$140	\$8,400
FSR Flat Rates from Service Hourly Rate Sheet						
Non Chargeable Warranty Work etc.						
FSR Hours	57	280	28		\$140	\$39,200
Air Fare (flat rate)				1	\$850	\$2,550
Lodging, meals & Auto per diem			28		\$250	\$7,000
						\$92,340
						\$5,293
Interest on unpaid invoice 6 months at 1.5% per month		\$56,656.70	\$61,950.09			
TOTAL						\$97,633

site delays, rescheduling of PT
rescheduling resources due to delays
site impact to in house resources

15% of FSR approved
OH+P
9 x \$170 = 1,454

~\$2,800
~\$7,980
> \$1,100

~\$425 = \$4,235

\$20,869

- ①
- ②
- ③
- ④
- ⑤
- ⑥
- ⑦

Embedded Spool for Train #4 Air						\$1,650
Embedded Spool for Train #4 Permeate						\$1,650
Turbidity Meter						\$4,660
Repair on BP tank						\$3,250
16 solenoids inadvertently shipped and retained as spares						\$2,064

TOTAL \$107,677

Breakdown of Extra Commissioning	
Commissioning Days used	107
Commissioning Days sold	69
Commissioning Days overrun	38
less GE Warranty	8 see activity detail
GE overlap	2
Net Commissioning Days overrun	28 see activity detail

Date	GE hours	GE delay hours	Appendix 2	Daily log	RCMS comments	Total Approved
9/16/2015	11.5	6	All equipment not installed and wiring not completed	No delay comments in log	outlined in previous email about backwash system that wasn't to be tested for weeks and arrival of equipment was pending the following week. Please clarify 6 hour delay	
9/17/2015	11.5	6	All equipment not installed and wiring not completed	No delay comments in log. Reference to plan to install missing gauges, sensors.	outlined in previous email about backwash system that wasn't to be tested for weeks and arrival of equipment was pending the following week. Please clarify 6 hour delay	
9/18/2015	10.5	6	All equipment not installed and wiring not completed	No reference in log	No comments about delay except comment potential power to main panel. This panel was shut off for safety until ready for I/O check complete. Please clarify 6 hour delay	
9/19/2015	10	5	All equipment not installed and wiring not completed	No reference in log	No comment about delay on daily logs. Please clarify 5 hour delay	
9/21/2015	11	2	Compressed air system leaking filter housing and compressor lubrication	Compressed air system leaking. Contractor installed wrong equipment and filter housing leaking.	that has had to be replaced several times due to leaking over the course of commissioning. After disassembly and reassembly it was found to have loose materials (plastic) on filter/gauge coupling by factory.	2
9/22/2015	12	0.5	Compressed air system leaking filter housing and compressor lubrication	Contractor addressed issue and no leak persists	No comment on delay except to comment previously claimed leaking filter was fixed	
9/23/2015	11	0				
9/24/2015	12	3	CIP system hydrotesting, faulty disconnect switch	Daily reference disconnect switch faulty and ordered replacement.	for new switch. This seems to be part of normal startup of equipment with no major delay. Please clarify specific delay comments	2
9/25/2015	10	5	Field Wiring Issues	PLC wiring needed to be fixed on train 1/2/3	Delay claim regarding field wiring of panel which was mismatched found during check out and fixed. This is assumed to be part of I/O check out as common wiring errors are found at this time.	
9/26/2015	7.5	0.5	PLC integration	IP addressing changes to client desire IP. Attempted to ping Tesco supplied IP. No response.	Only comment perceived is tried to ping tesco panel and no response. Please clarify delay claimed if something different but not necessary for plant startup at this time of GE check out	
9/27/2015	4	0			No delay claimed this day	
9/28/2015	10	3	PLC integration	TESCO HMI troubleshooting (3 hr delay)	Is this in reference to inconnectivity of TESCO and GE? If not then the no delay present for TESCO independent HMI troubleshooting while GE performs additional startup.	
9/29/2015	13	6	PLC integration	Communication testing with TESCO signals comm point to point. TESCO HMI troubleshooting	Delay claimed for 3 hr TESCO HMI point to point and 3 hr HMI troubleshooting. TESCO HMI troubleshooting independent of GE connectivity.	3
9/30/2015	12	0				
10/1/2015	8	0				
10/2/2015	0	0				
10/3/2015	0	0				
10/4/2015	12	0				
10/5/2015	10.5	2	PLC integration	Communication testing with TESCO	Please clarify if this was a repeat of P2P or if there was another equipment communication issue?	2
10/5/2015	10.5	1	Field Wiring Issues	Delay claimed for Feed level transmitter and backpulse.		
10/6/2015	10.5	0		Missing wiring for IO check out of level transmitter and Heater	This is assumed during typical IO checkout.	
10/7/2015	10.5	0			No delay claimed this day	
10/8/2015	10	1	Field Wiring Issues	No mention of delay in log	No delay claimed this day	
10/9/2015	10	1	Blower belt installation, lubrication, alignment	Assisted in blower startup and installation	Field wiring issue claimed as delay buy no reference in daily logs to delay. Please clarify	
10/10/2015	8	0			Blower belt installation was done by district staff after GE rotation check per installation instruction. Please clarify why this is a GE delay. No delay claimed this day	

10/12/2015	12	2	Blower belt installation, lubrication, alignment	Blower startup complete, assisted in aerzon blower sheaves alignment	Blower installation was done by district staff after GE rotation check. Please clarify delay as this was done as instructed.
10/12/2015					
10/13/2015	9.5	3	Field Wiring issues	HCL communication issue failed and had to adjust GE wiring to match up with relocated HCL tank (3 hr).	Was this a equipment wiring issue or a field wiring issue for communication? Please clarify if it was wired incorrectly and why this wasn't caught during I/O check out if field wiring. This is assumed typical startup corrective actions.
10/14/2015	10.5	2	Non GE supplied Equipment issues	2 hr delay claim was for updating GE for level transmitters that where on the plans.	No delay claimed this day This is considered a coordination issue as GE was supplied plans for the entire project.
10/14/2015		8	Membrane Installation Delay	General 8 hr delay Membrane installation was to occur 10/14	8 hr delay claimed for membrane installation delay needs to be justified. There was still commissioning activities happening during this time that were necessary. The claim that FSR was completely unproductive needs to be further validated.
10/15/2015	9.5	2	Blower air flow switch wiring issue	Set blower switch to low flow in lieu of minimum flow	No claim of delay on dailies. This is assumed standard commissioning practice of calibrating equipment
10/15/2015		6	Membrane Installation Delay	General 8 hr delay membrane flushing to occur 10/15	8 hr delay claimed for membrane installation delay needs to be justified. There was still commissioning activities happening during this time that were necessary. The claim that FSR was completely unproductive needs to be further validated.
10/16/2015	9.5	2	Field Wiring issues	Heater startup after wire change by contractor, however heater would not start on auto or hand. Electrician confirmed heater issues will be resolved 10/19	Heater was wired per drawings and email exchange with GE. Location of heater was farther than factory request 150 wire supplied from bucket. This required a independent box for heater relay to be installed in Aux room and additional wire to be ran from box to bucket. Fuse needed replaced as it was faulty
10/16/2015	9.5	6	Membrane Installation Delay	General 6 hr membrane delay. Flushing was to occur 10/16	General 6 hr schedule delay claimed due to membrane installation needs to be clarified. Commissioning still continued even though membrane installation didn't occur to following week.
10/17/2015	10	0			No delay claimed this day
10/19/2015	15	5	Membrane Installation Delay	No specific comments regarding delay in dailies	5 hr claimed during installation day. What caused a 5 hr delay? 6 hr delay claim for feed water availability. Please clarify? The main control valve was operation but the plant was being shut off everyday with upstream control valve for a safety precaution as the entire system shut downs haven't been tested until membranes where installed. Potable water was utilized on a rotational basis to fill tanks once drained
10/20/2015	11	6	Non GE supplied Equipment issues	6 hr delay due to tanks not being drained as client was still uncomfortable with raw water valve startup	Repairs to leaks in train pipe connection is assumed to be standard commissioning practice.
10/21/2015	10	1	Non GE supplied Equipment issues	Precipulated train 3 for 1 hr while leaks were repaired	
10/22/2015	10	4	Feed Water Availability Issue	General 4 hr delay due to operating the effluent valve manually	The effluent valve was operated manually through SCADA. Clarify why this delay 4 hr if tanks where being drained and filled for a 10 hr day and flushing goals where achieved in proposed timeline.

10/22/2015	4	Feed Water Availability Issue			The effluent valve was operated manually through SCADA. Clarify why this delay 4 hr if tanks were being drained and filled for a 10 hr day and flushing goals were achieved in proposed timeline.	
10/23/2015	4	Feed Water Availability Issue			The effluent valve was operated manually through SCADA. Clarify why this delay 4 hr if tanks were being drained and filled for a 10 hr day and flushing goals were achieved in proposed timeline.	
10/24/2015	2	Feed Water Availability Issue	Operating water manually		2 hr delay claimed for operating water manually controlled thru SCADA. Please clarify how this held up commissioning as the system was in a controlled loop.	2
10/24/2015	2	Non GE supplied Equipment Issues	Train went into standby for level transmitter in backpulse tank (2 hr delay)		0 standby for level transmitter in feed water channel (2 hr delay)	2
10/25/2015	4	Turbidity Meter Installation Issues	4 hr installation delay claimed for calibration issue with RMCSD		This appears to be due to calibration concentration materials by district.	4
10/26/2015	4	Non GE supplied Equipment Issues	No reference in log		4 hr delay claimed for non GE supplied equipment issue. Please clarify which equipment as daily log doesn't pin point what delay to commissioning	
10/27/2015	4	Non GE supplied Equipment Issues			4 hr delay claimed for non GE supplied equipment issue. Please clarify which equipment as daily log doesn't pin point what delay to commissioning. Is this to reference the backwash level transmitter?	4
10/28/2015	1	PLC integration			1 hr delay claim for PLC integration. Daily log on comments on TESCO IO problems. Please clarify	
10/29/2015	6	PLC integration			6 hr claim for PLC integration but not specific comments about delay in daily logs to clarify. Please address specifics.	
10/30/2015	1	Membrane preservation	1 hr claimed for membrane preservation on a travel day.		This would appear to be standard practice when leaving the site for travel. Please clarify the meaning of membrane preservation delay.	
11/3/2015	4	PLC integration	TESCO controls update till lunch time. Couldn't get on system until after.			4
11/4/2015	3	Backpulse system issues	TWBP logic not working. Work with TESCO to resolve logic issue		This is listed in dailies as TWBPS and not backpulse system issues per appendix 2. Please clarify as TWBPS is not within GE matrix. Coordination would need to happen to for full system integration.	
11/5/2015 11/6/2015	4	Backpulse system issues	2 hr delay to drain tank for float switch reconfiguration in BPS tank. Drain waste tank to allow more room for backwashes 2 hr.		Float switch reconfiguration needed as part of commissioning. Drain waste tank was done in auto to allow for staff to perform backwash practice during travel. Why was this a delay. Please clarify?	2

11/9/2015	10	2	Backpulse system issues	2 hr delay to backpulse system. Daily log states a issue was discussed and offered a solution. Our notes state that there was a ramp up problem with the backpulse system while doing calibration to GE standards. Please clarify
11/10/2015	9	2.25	Backpulse system issues	2.25 hrs claimed for backpulse issue. Info hard to read on daily log but assumed this was again an issue with calibration to GE standard after manufacturer comissioning was already done. Please clarify
11/10/2015		2.25	PLC integration	2.25 hrs claimed for backpulse issue. Info hard to read on daily log but assumed this was again an issue with calibration to GE standard after manufacturer comissioning was already done. Please clarify
11/11/2015	10	1	Feed Water Availability Issue	Please clarify delay. Water influent was operating in SCADA.
11/11/2015		1	Field Wiring Issues	Wiring field wiring issue. Correct wire not terminated into the PLC. Terminated in IO rack was a spare wire.
11/11/2015		4	Feed Water Availability Issue	4 hr delay claimed for feed water availability issue due to drain valve being opening found during testing. The tank was drained and valve shut
11/11/2015		1	Field Wiring Issues	Assumed to be same delay as claimed by other FSR. Please clarify
11/12/2015	11	1	Backpulse system issues	1 hr claim for backpulse issue/1 hr claim for feed water. Can't read daily log due to copy provided. Please clarify
11/12/2015		1	Feed Water Availability Issue	1 hr claim for backpulse issue/1 hr claim for feed water. Can't read daily log due to copy provided. Please clarify
11/12/2015		2	Backpulse system issues	1 hr claim for backpulse issue/1 hr claim for feed water. Can't read daily log due to copy provided. Please clarify
11/13/2015	11	5	Non GE supplied Equipment issues	Please clarify how this is a customer issue as it was functional and comissioned by manufacturer rep prior to arrival. Our understanding is it was merely adjusting ramp up to get within tolerance of GE setpoints. Backpulse step control testing to GE standards.
11/13/2015	11	3	Backpulse system issues	5 hr delay claim for backpulse step control testing to GE standards. Please clarify how this is a customer issue as it was functional and comissioned by manufacturer rep prior to arrival. Our understanding is it was merely adjusting ramp up to get within tolerance of GE setpoints.
11/14/2015	9.5	2	Backpulse system issues	Same as previous day comment
11/14/2015		2	Backpulse system issues	Same as previous day comment

11/14/2015	1	Feed Water Availability Issue		Same as previous day comment	2
11/15/2015	2	Feed Water Availability Issue		2 hr for feed water due to level transmitter placement in feed channel	2
11/16/2015	2	Feed Water Availability Issue		2 hr for feed water due to level transmitter placement in feed channel	2
11/17/2015	1.5	Blower air flow switch wiring issue		2 hr delay claim for feed water but dailies have no comment	
11/17/2015	1.5	Backpulse system issues		2 hr delay claim for feed water but dailies have no comment	
11/17/2015	1.5	CIP sampling pump drawings, document, electrical program changes		2 hr delay claim for feed water but dailies have no comment	
11/18/2015	4	Programming Changes		4 hr delay claim for code changes made and deleted by TESCO	4
11/19/2015	2	PLC integration		2 hr claim on PLC integration per Appendix 2. Hard to read daily but can't find issue listed in details	
11/20/2015	2			2 hr claim on PLC integration per Appendix 2. Please clarify TESCO delay. Appears to say communication issue?	
11/21/2015	4			No delay claimed this day	
11/22/2015	2			No delay claimed this day	
11/23/2015	5	Membrane preservation		Please clarify as this was chlorinating done by the district staff for scheduled travel.	
11/24/2015					
11/25/2015					
11/26/2015					
11/27/2015					
12/21/2015					
12/22/2015					
12/23/2015					
12/24/2015	4	CIP sampling pump drawings, document, electrical program changes		CIP sampling pump and drawing changes claim 4 hrs. Please clarify delay as this was as building site conditions based on commissioning.	
12/25/2015					
1/5/2016					
1/6/2016	1.5	Permeate Pump drive issue	3 hr delay claimed by permeate pump issues.	Daily confirms that a breaker was tripped and needed to be reset when it popped. Electrician investigated and repaired GE supplied equipment. Please clarify delay.	
1/6/2016	1.5	Blower air flow switch wiring issue		3 hr delay claimed by permeate pump issues. Daily confirms that a breaker was tripped and needed to be reset when it popped. Electrician investigated and repaired GE supplied equipment. Please clarify delay.	
1/7/2016	2.25	Feed Water Availability Issue	Air delay caused by not supplied enough air and needed to tweak influent valve.	Standard commissioning setpoint coordination. Please clarify. VFD replacement needed and 2 hr delay claimed	2
1/7/2016					
1/8/2016	2.25	Permeate Pump drive issue			2
1/7/2015					
1/8/2016	8.5				

1/9/2016	5.5	2	Blower air flow switch wiring issue	E&H level transmitter not functioning correctly and new one ordered.	This is a GE supplied part and being replaced. Why is this a customer delay?	
1/10/2016					Please carry blower tripping event cause and delay - was this a setpoint issue?	
1/11/2016	9.5	2.5	Blower air flow switch wiring issue	3 hr delay claimed by blower tripping	3 hr delay claimed by blower tripping.	
1/11/2016		1	Non GE supplied Equipment issues	2 hr reject pump failure	Please clarify root cause of failure. No specific comments about cause or solution	
1/12/2016	9.5	2	Reject Pump Failure	Troubleshoot with electrician on reject pump 2.	Please clarify root cause of failure. No specific comments about cause or solution	
1/13/2016	9.5	1	Reject Pump Failure	Blower FSL alarm, verify the relay does not remain latched.	Clarify why customer delay due to coordination of GE/TESCO equipment and program and wiring.	
1/13/2016		1	Blower air flow switch wiring issue			
1/13/2016			CIP sampling pump drawings, document, electrical program changes	Terminate CIP sample pump into GE panel	This was needed due to location of CIP tank and calibration equipment	1
1/14/2016	10	1	Permeate Pump drive issue	1 hr permeate pump VFD replacement	From daillies it appears this was due to settings to be too sensitive from previous calibration	1
1/14/2016	10	1	Blower air flow switch wiring issue	Blower set to sensitive	Seems to be duplicate of previous comment for total 2 hr delay claim	
1/14/2016	10	1	Blower air flow switch wiring issue	HMI changes clean up PLC logic download and run time	From daillies this would be standard programming update. Please clarify what changes caused delay?	
1/15/2016	10					
1/16/2016	11.5	1	Programming Changes			
1/31/2016	10.5					
2/1/2016	9.5	9.5	PLC integration	Daillies claim start discovery of where Tesco was requiring GE system for startup and GE was requiring flow from TESCO	Coordination issue between two contractors and programming language needing to be sorted out for plant operation.	
2/2/2016	10	2	Removing temp circ piping	Delay claimed for rearrange recirc piping (2 hr).	This was performed by district staff. Why was this a customer delay if it was valved and not necessary to remove until complete.	
2/3/2016	9.5					
2/4/2016	10					
2/5/2016	11					
2/22/2016	16	2	Blower air flow switch wiring issue	Blower 1 low flow alarm. Checked flow switch and adjusted	Recalibration of the blower to fall within operating standards.	
2/23/2016	12	1	Non GE supplied Equipment issues	No info on daily report for delay	Please clarify which equipment as many where listed but no specific data on daillies.	
2/24/2016	11.5					
2/25/2016	10.5	1	Blower air flow switch wiring issue	No info on daily report	No info in daily for delay but travel day. Blower air flow switch claim on appendix 2	
2/25/2016	10.5	1	Blower air flow switch wiring issue	No specific comments regarding delay in daillies	This isn't claimed daillies except for minor comments. Blower 1 comments seem to be repetitive alarm. Ge equipment.	1
2/26/2016	10.5	1	Membrane installation Delay	repairs left leaks remain	No specific comment regarding delay on daillies. Please clarify	
2/29/2016	9.5	2	Backpulse system issues	Backpulse and backwash VFD settings incorrect.	This was already performed by previous FSR rep and claimed for delay. Why is this a repeated customer delay if not corrected during previous FSR commissioning?	
3/1/2016	10.5					
3/2/2016	11.5					

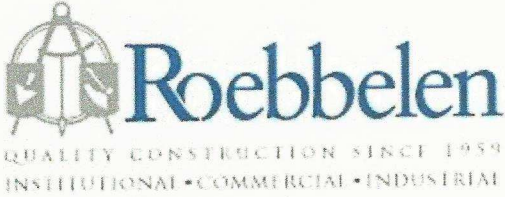
3/3/2016	10	3	Non GE supplied Equipment issues	Appendix 2 calls for non GE supplied equipment issues but daily logs have no reference to specific delay	
3/4/2016	9.5	1	Backpulse system issues	Appendix 2 refers to 1 hr backpulse system and 1 hr feed water availability issue. Daily log. There is no reference in daily log for delay outside of normal commissioning activities for alarm testing and troubleshooting.	
3/4/2016		1	Feed Water Availability Issue	Appendix 2 refers to 1 hr backpulse system and 1 hr feed water availability issue. Daily log. There is no reference in daily log for delay outside of normal commissioning activities for alarm testing and troubleshooting.	
3/7/2016	10.5	1	Backpulse system issues	Appendix 2 refers to 1 hr backpulse system and 1 hr feed water availability issue. Daily log. There is no reference in daily log for delay outside of normal commissioning activities for alarm testing and troubleshooting.	
3/7/2016		1	Feed Water Availability Issue	Appendix 2 refers to 1 hr backpulse system and 1 hr feed water availability issue. Daily log. There is no reference in daily log for delay outside of normal commissioning activities for alarm testing and troubleshooting.	
3/7/2016	10				
3/9/2016	10.5	2	Backpulse system issues	Only comments seem to be about alarm and no specific issues related to delay.	
3/9/2016		2	Blower faulty VFD	Part malfunction and replaced.	2
3/9/2016		1	Changes to pump valve position	Was this due to another issue or standard commissioning of the system?	
3/10/2016	11.5	2	Blower air flow switch wiring issue	Daily logs refer to blower VFD trends but no details on delay outside of normal commissioning activities for alarm testing and troubleshooting.	
3/11/2016	12	1	Turbidity Meter Installation Issues	Daily log calls out for damage to turb meter by RMCSD.	2
3/11/2016	12	1	Backpulse system issues	Resetting points on backpulse	
3/12/2016	11	5	Backpulse system issues	BW trends and air line updating.	
3/13/2016	5	2.5	Non GE supplied Equipment issues	This is reference in emails to be for backpulse system pumps and resetting	
3/14/2016	10.5	2	Changes due to low sodium Hypo concentration	Appendix 2	2
3/15/2016	12	6	PLC integration		
3/16/2016	12	3	PLC integration		
3/16/2016	12	3	Trains Faulted due to ACH over does		3
3/17/2016	12				

Area 6 - tank repairs

Jeff Dees

From: Dave Champion
Sent: Thursday, December 04, 2014 6:28 AM
To: 'O'Reilly, Joe (GE Power & Water)'
Cc: 'Sukhu, Michael (GE Power & Water)'; 'Penney, Donna L (GE Power & Water)'; Jeff Dees
Subject: RE: -33-14-007 - Rancho Murieta.....Aco Polly Tank

I noted the damage on the shipping tag when I signed it.



Dave Champion
Project Superintendent

1241 Hawks Flight Court
El Dorado Hills, CA 95762
916-300-2859 Cell
davec@roebbelen.com
www.roebbelen.com

From: O'Reilly, Joe (GE Power & Water) [mailto:Joe.Reilly@ge.com]
Sent: Wednesday, December 03, 2014 1:36 PM
To: Dave Champion
Cc: Sukhu, Michael (GE Power & Water); Penney, Donna L (GE Power & Water); Jeff Dees
Subject: FW: -33-14-007 - Rancho Murieta.....Aco Polly Tank

Dave,

Further to your email below and the attached picture.

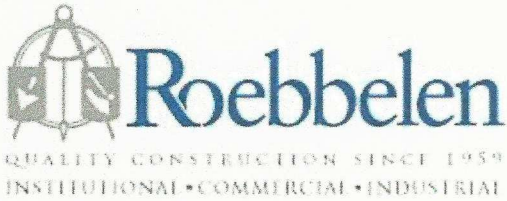
Was the damage noted on the B/L?

We will check with our supplier and advise.

Thanks,
joe

From: Dave Champion [mailto:DaveC@roebbelen.com]
Sent: Wednesday, December 03, 2014 3:34 PM
To: O'Reilly, Joe (GE Power & Water)
Cc: Jeff Dees
Subject: RE: -33-14-007 - Rancho Murieta.....Shipment of 5 Flowserve Pumps & Shipments in transit

The spools and the tank just arrived on site.
There is a slice in the bottom of the tank. Does not appear to be very deep.
Someone should look at it and make that call.
See photo attached.
Thanks



Dave Champion
Project Superintendent

1241 Hawks Flight Court
El Dorado Hills, CA 95762
916-300-2859 Cell
davec@roebbelen.com
www.roebbelen.com

From: O'Reilly, Joe (GE Power & Water) [<mailto:Joe.Reilly@ge.com>]
Sent: Wednesday, December 03, 2014 10:43 AM
To: Dave Champion
Cc: Polo-Khosrow-Abadi, Robert (GE Power & Water); Jeff Dees
Subject: RE: -33-14-007 - Rancho Murieta.....Shipment of 5 Flowserve Pumps & Shipments in transit

Hi Dave,

Thanks for the confirmation.

You should also be receiving the Polly Tank and some SS Spools this week.

Cheers,
joe

From: Dave Champion [<mailto:DaveC@roebbelen.com>]
Sent: Wednesday, December 03, 2014 1:36 PM
To: O'Reilly, Joe (GE Power & Water)
Cc: Polo-Khosrow-Abadi, Robert (GE Power & Water); Jeff Dees
Subject: RE: -33-14-007 - Rancho Murieta.....Shipment of 5 Flowserve Pumps & Shipments in transit

Pumps have arrived at Rancho Murieta district office.
Thanks

GE Power & Water
Water & Process Technologies

Jeff Dees
Construction PM
Roebbelen
1241 Hawks Flight Court,
El Dorado Hills,
CA 95762

Joe O'Reilly

3239 Dundas Street West
Oakville, Ontario L6M 4B2
Canada

T 905-465-3030 ext 3173
Joe.reilly@ge.com

Revised January 22, 2017
Revised September 29, 2016
Issued June 24, 2016

Subject: Rancho Murrieta, CA Water Treatment Plant
Commercial Impact of delays, various design re-work and re-commissioning

Enclosures: Appendix 1 Summary of Scope Changes Sheet
Appendix 2 Updated "GE Log Review Comments"
Appendix 3 Excerpt from GE Proposal
Appendix 4 Summary of Labor & Site Trips
Appendix 5 2015 ES Service Labor Rates

Reference: Roebbelen letter dated November 7, 2016
Roebbelen Log Review excel file provided December 8, 2016

Attention: Jeff Dees

Jeff,

This letter is being prepared as a result of various scope changes and delays in the execution of the project. GE would like to highlight that we accelerated delivery of equipment as requested at great expense which has not been considered in this letter. GE suggests that Water Treatment upgrades of this size and magnitude would typically take 4-5 months for installation and 2-3 months for commissioning rather than the 10 and 7 months respectively. Zenon Environmental Corp/ GE Water and Process Technology (hereinafter "GE") is providing this updated letter outlining the commercial impacts of the delays, incremental efforts and changes in scope as follows:

1- Office Support

Our office support and assistance included a disproportionate and incremental coordination with the various Contractors, Engineer and the District. It also included programming changes to accommodate "work arounds" due to the incomplete installation and changes in site conditions

which resulted in piecemeal commissioning which was not contemplated by GE. GE does not consider this as a "Typical" project due to the extended execution time mentioned above. We have recalculated the incremental office support during commissioning at a nominal 5 hours per week which includes Project Management, Commissioning Supervision/Scheduling, Electrical Engineering, Mechanical Engineering, Controls Engineering, PLC/HMI Programming and Process Engineering.

The Commissioning period extended for 7 months as mentioned above which is 28 weeks.

The incremental office support during the commissioning stage is calculated as 5 hours x 28 weeks = 140 hours. We feel that this is a reasonable compromise against our actual 201 hours initially requested when considering the issues reviewed and resolved by the respective disciplines supporting the project over an extended period of time. The concession to 140 hours has been incorporated on the attached Appendix 1 Summary of Scope Changes Sheet.

2- Extra Commissioning

The GE proposal included 69 days of commissioning at site as outlined in the attached Appendix 3 from our proposal. Due to various delays, rescheduling and incremental effort etc., we have utilized 107 days. This results in 38 days over what has been contemplated. We have deducted 8 days for GE warranty issues and 2 days for FSR overlap resulting in an excess of 28 days which we are considering as an incremental change in scope due to incompleteness of installation causing delays etc.. We have provided additional information and clarifications requested by updating the attached Appendix 2 "GE Log Review Comments" on the excel file provided on December 8, 2016. The claim has been reduced from 280 hours to 152 hours which has been incorporated on the attached Appendix 1 Summary of Scope Changes Sheet.

3- Extra FSR Trips

The GE proposal included 8 site visits as outlined in the attached Appendix 3 from our proposal. The extra trips are due to various delays in the installation, availability of TESCO, rescheduling of the Performance Test about 4 times between November 2015 and March 2016, etc. There were 6 trips between November 2015 and March 2016 mostly due to site not being ready for the Performance Test. There are several email exchanges discussing these delays and rescheduling/remobilizing our FSR's during that period. We have utilized 11 site visits resulted in 11-8=3 extra trips. We have provided additional information and clarifications requested by updating the attached Appendix 2 "GE Log Review Comments" on the excel file received December 8, 2016. The 3 extra site visits have been incorporated on the attached Appendix 1 Summary of Scope Changes Sheet.

In response to Article 7, on July 31, 2016 GE provided back up emails dating back to November 2015 providing notification of forthcoming claim. The claim was issued within 45 days of determining the full impact following receipt of payment of the last invoice on the base contract in June 2016 which had been withheld since January 2016.

GE has incurred start up delays due to the status of the installation and wiring when we arrived at site. The installation was not in accordance with what had been discussed during our pre-commissioning site visit on May 26-27, 2015. None of the check lists discussed and communicated on June 11, 2015 were available/provided when GE arrived at site. GE has also participated in extensive coordination both at site and in the office due to the unavailability of TESCO and status/demarcation of their scope. The delays associated with rescheduling of the Performance Test

are well documented in email exchanges. Our claim has been substantially reduced from the actual incremental costs incurred as a concession to move this claim forward in an amicable manner.

GE respectfully requests \$ 67,365 to cover this incremental work due to these changes in Time and Scope which have been outlined above and in the attachments.

If you have any questions or require additional information, please do not hesitate to contact me.

Very truly yours,



Joe O'Reilly
Project Manager

**Rancho Murieta, CA WTP
Scope Change Order No. 2
Various design re-work and commissioning delays detailed in
GE letter dated January 22, 2017.**

**This Scope Change Letter is intended to be binding only upon confirmation of a document signed by
all parties.**

By signature of all Parties below, this proposal is accepted and binding and forms part of the agreement number PO/Contract No T-43295, 211287 between them dated June 2014.

Accepted by:

Accepted by:

Title: _____

Title: _____

Zenon Environmental Corp../GE Water &
Process Technology

Roebbelen Constructors

Date _____

Date _____

Rancho Muireta, CA
GE Project No 501096
Appendix #1
Summary of Scope Changes Sheet

Item Description of Scope Change

1 Extra Commissioning & Support

Impact	Material	Hours	Days	Trips	Hourly Rate	Total	
Office Support 5 hours per week times 28 weeks= 140 hours		140			\$170	\$23,800	
Pre-Commissioning Site assistance visit (May 26, 27, 2015)				2			
Trips Taken (FSR)				2			See Appendix 4 for trip dates
Total Trips Taken				11			See Appendix 4 for trip dates
Trips Sold in Proposal				8			See Appendix 3 proposal excerpt
Extra Trips				3			See Appendix 4 for trip dates
FSR Travel time (10 hours each way)		60			\$140	\$8,400	
FSR Flat Rates from Service Hourly Rate Sheet							See Service Labor Rate Sheet Appendix 5
FSR Hours		152	15.2		\$140	\$21,280	See Appendix 2 updated "GE Log Review Comments"
Air Fare (flat rate)				3	\$850	\$2,550	See Service Labor Rate Sheet Appendix 5
Lodging, meals & Auto per diem			15.2		\$250	\$3,800	See Service Labor Rate Sheet Appendix 5
Embedded Spool for Train #4 Air						\$1,650	Already agreed
Embedded Spool for Train #4 Permeate						\$1,650	Already agreed
Turbidity Meter (less \$425)						\$4,235	Already agreed
TOTAL						\$67,365	

TOTAL \$67,365

Breakdown of Extra Commissioning				
Commissioning Days at site			107	See Appendix 4
Commissioning Days sold per GE Proposal			69	See proposal excerpt Appendix 3
Commissioning Days overrun			38	
less GE Warranty			8.45	
GE overlap			2	
Net Commissioning Days overrun			27.55	
Revised Net Commissioning Days overrun			15.2	See Appendix 2 updated "GE Log Review Comments"

APPENDIX 2

Appendix 2

Date	GE hour	GE delay hours	Appendix 2	Daily log	RMS comments	GE comments Jan 24/17	Updated Jan 24/17 GE Hour	Total Approved
9/16/2015	11.5	6	All equipment not installed and wiring not completed	No delay comments in log	No comments about delay except for review of missing sensors as outlined in previous email about backwash system that wasn't to be tested for weeks and arrival of equipment was pending the following week. Please clarify 6 hour delay	Equipment was to be installed 100% per precommissioning meeting and review of checklists at site May 26 & 27 2015. The report and checklists were provided in email June 11/15. The status of the installation was misrepresented to GE resulting in incremental time to review, document and communicate the incompleteness of the installation and find less efficient workarounds. This also delayed I/O check which is the first major activity on GE Commissioning schedule following bumping major devices.	3	0
9/21/2015	11.5	6	All equipment not installed and wiring not completed	No delay comments in log	No comments about delay except for review of missing sensor as outlined in previous email about backwash system that wasn't to be tested for weeks and arrival of equipment was pending the following week. Please clarify 6 hour delay	Equipment was to be installed 100% per precommissioning meeting and review of checklists at site May 26 & 27 2015. The report and checklists were provided in email June 11/15. The status of the installation was misrepresented to GE resulting in incremental time to review, document and communicate the incompleteness of the installation and find less efficient workarounds. This also delayed I/O check which is the first major activity on GE Commissioning schedule following bumping major devices.	3	0
9/18/2015	10.5	6	All equipment not installed and wiring not completed	No reference in log	No comments about delay except comment potential power to main panel. This panel was shut off for safety until ready for I/O check complete. Please clarify 6 hour delay	Equipment was to be installed 100% per precommissioning meeting and review of checklists at site May 26 & 27 2015. The report and checklists were provided in email June 11/15. The status of the installation was misrepresented to GE resulting in incremental time to review, document and communicate the incompleteness of the installation and find less efficient workarounds. This also delayed I/O check which is the first major activity on GE Commissioning schedule following bumping major devices.	3	0
9/19/2015	10	5	All equipment not installed and wiring not completed	No reference in log	Only comment on delay is due to filter leaking. This is a filter housing that has had to be replaced several times due to leaking over the course of commissioning. After disassembly and reassembly it was found to have loose materials (plastic) on filter/gauge coupling by factory. No comment on delay except to comment previously claimed leaking filter was fixed	Equipment was to be installed 100% per precommissioning meeting and review of checklists at site May 26 & 27 2015. The report and checklists were provided in email June 11/15. The status of the installation was misrepresented to GE resulting in incremental time to review, document and communicate the incompleteness of the installation and find less efficient workarounds. This also delayed I/O check which is the first major activity on GE Commissioning schedule following bumping major devices.	2	0
9/23/2015	11	7	Compressed air system leaking filter housing and compressor lubrication	Contractor installed wrong equipment and filter housing leaking	Only comment is about faulty disconnect switch which was requested for new switch. This seems to be part of normal startup of equipment with no major delay. Please clarify specific delay comments	Not initially installed per PAID's. The filters were reversed resulting in early clogging of the fine filter resulting in excessive air pressure on the filter housing.	2	2
9/23/2015	11	0	Compressed air system leaking filter housing and compressor lubrication	Contractor addressed issue and no leak persists			0	
9/24/2015	11	3	CIP system hydrotesting, faulty disconnect switch	Daily reference disconnect switch faulty and ordered replacement.		GE bid this project competitively and did not allow for the magnitude and incremental time caused by failures of equipment supplied by others.	2	2
9/25/2015	10	5	Field Wiring Issues	PLC wiring needed to be fixed on train 1/2/3	Delay claim regarding field wiring of panel which was mismatched found during check out and fixed. This is assumed to be part of I/O check out as common wiring errors are found at this time.	I/O testing on LCV valves could not be completed due to lack of power. Field wiring issues are not GE responsibility which caused GE incremental time by having to troubleshoot since continuity check on GE Schedule & check list was not completed.	5	
9/26/2015	7.5	0.5	PLC integration	IP addressing changes to client desire IP. Attempted to ping Tesco supplied IP. No response.	Only comment perceived is tied to ping Tesco panel and no response. Please clarify delay claimed if something different but not necessary for plant startup at this time of GE check out	Incremental time due to incomplete continuity checks.	0.5	
9/27/2015	4	0			No delay claimed this day			
9/28/2015	10	3	PLC integration	TESCO HMI troubleshooting (3 hr delay)	Is this in reference to incompleteness of TESCO and GE? If not then the no delay period for TESCO independent HMI troubleshooting while GE performs additional start up.	The I/O check is verified from the field devices through to the PLC and HMI/SCADA as discussed at the precommissioning meeting. GE has not allowed for incompleteness of ethernet connectivity by others resulting in delays and incremental time to find workarounds for GE scope.	3	
9/29/2015	13	6	PLC integration	Communication testing with TESCO signal comm point to point. TESCO HMI troubleshooting	Delay claimed for 3 hr TESCO HMI point to point and 3 hr HMI troubleshooting. TESCO HMI troubleshooting independent of GE connectivity.	The I/O check is verified from the field devices through to the PLC and HMI/SCADA as discussed at the precommissioning meeting. GE has not allowed for incompleteness of ethernet connectivity by others resulting in delays and workarounds for GE scope.	3	3
9/30/2015	12	0						
10/1/2015	8	0						
10/2/2015	0	0						
10/3/2015	0	0						
10/9/2015	12	0						
10/5/2015	10.5	2	PLC integration	Communication testing with TESCO	Please clarify if this was a repair of P2P or if there was another equipment communication issue?		2	2

10/9/2015	10.5	1	Field Wiring Issues	Delay claimed for Feed level transmitter and backpicks. Missing wiring for IO check out of level transmitter and Heater	This is assumed during typical IO checkout. No delay claimed this day. No delay claimed this day.	The wiring installation was incomplete and I/O checks had to be remobilized resulting in incremental & inefficient workarounds.	1
10/9/2015	10.5	0			No delay claimed this day.		
10/9/2015	10	1	Field Wiring Issues	No mention of delay in log	Field wiring issue claimed as slayer boy no reference in daily logs to delay. Please clarify.	The wiring installation was incomplete and I/O checks had to be remobilized resulting in incremental & inefficient workarounds.	1
10/9/2015	10	1	Blower belt installation, lubrication, alignment	Assisted in blower startup and installation	Blower belt installation was done by district staff after GE rotation check per installation instruction. Please clarify why this is a GE delay.	Delay and incremental time caused by out of scope work as GE assisted contractor/client with work which should have been completed before GE arrived. Also GE purchased laser level to verify installation where millwright certificate should have been provided as discussed at pre commissioning meeting and on check lists provided.	1
10/12/2015	11	2	Blower belt installation, lubrication, alignment	Blower startup complete, assisted in azean blower sheaves alignment	Blower installation was done by district staff after GE rotation check. Please clarify delay as this was done as instructed.	These are activities on the checklist that should have been completed prior to GE commencement of commissioning.	2
10/12/2015	9.5	3	Field Wiring Issues	HCL communication issue failed and had to adjust GE wiring to match up with relocated HCL tank (3 hr).	Was this a equipment wiring issue or a field wiring issue for communication? Please clarify if it was wired incorrectly and why this time this was necessary. The claim that FR was completely typical startup correction.	HCL tank & equipment was relocated but the wiring was not moved and GE lost time troubleshooting something that should have been completed before we started.	3
10/14/2015	10.5	2	Non GE supplied Equipment Issues	2 hr delay claim was for updating GE for level transmission that where on the plans.	This is considered a coordination issue as GE was supplied plans for the entire project.	GE was not given the opportunity to review the impact of the design modifications to non GE supplied equipment received after design completion. This incremental impact is considered a scope change.	2
10/15/2015	9.5	2	Blower air flow switch wiring issue	Set blower switch to low flow in lieu of minimum flow	8 hr delay claimed for membrane installation delay needs to be justified. There was still commissioning activities happening during this time this was necessary. The claim that FR was completely unproductive needs to be further validated.	GE had to find inefficient workarounds resulting in incremental efforts.	4
10/15/2015	10	6	Membrane Installation Delay	General 8 hr delay Membrane installation was to occur 10/14	No claim of delay on dailies. This is assumed standard commissioning practice of calibrating equipment	Field wiring issues are not GE's responsibility causing incremental efforts troubleshooting which should have been caught and fixed during continuity checks which had evidently not been completed.	2
10/16/2015	9.5	2	Field Wiring Issues	Heater startup after wire change by contractor, however heater would not start on auto or hand. Electrician confirmed heater issues will be resolved 10/19	8 hr delay claimed for membrane installation delay needs to be justified. There was still commissioning activities happening during this time this was necessary. The claim that FR was completely unproductive needs to be further validated.	Incremental effort and delay to Glycine flushing due to faulty contractor supplied level transmitter and non availability of raw water for testing.	3
10/16/2015	9.5	6	Membrane Installation Delay	General 6 hr membrane delay. Flushing was to occur 10/16	Heater was wired per drawings and small exchange with GE. Location of heater was further than factory request 150' wire supplied from installed in Aze room and additional wire to be ran from box to bucket. 10' wire needed replaced as it was faulty.	Incremental effort and delay to Glycine flushing due to incomplete installation of electric loop and unavailability of raw water for testing which was discussed at the pre commissioning meeting.	6
10/17/2015	10	0			General 6 hr delay claimed due to membrane installation was to be justified. Comments still continued even though membrane installation didn't occur following week.	GE assisted TESCO in commissioning their equipment which is outside our scope/escalating owners to our budget.	1
10/19/2015	15	5	Membrane Installation Delay	No specific comments regarding delay in dailies	5 hr delay claimed during installation day. What caused a 5 hr delay? 6 hr delay claim for feed water availability. Please clarify. The main control valve was operation but the plant was being shut off everyday with upstream control valve for a safety precaution as the entire system had to be tested until membranes were installed. Double water was utilized on a rotational basis to fill tanks once drained.	GE had to perform flushing manually due to inability to automatically commission their equipment outside the scope and resulted in extending the time allocated for this activity.	4
10/20/2015	11	6	Non GE supplied Equipment Issues	6 hr delay due to tanks not being drained as client was still uncomfortable with raw water valve startup	Repair to leaks in train pipe connection is assumed to be standard commissioning practice.	GE had to perform flushing manually due to inability to automatically commission their equipment outside the scope and resulted in extending the time allocated for this activity.	4
10/21/2015	10	1	Non GE supplied Equipment Issues	Precluded train 3 for 1 hr while leaks were repaired	The effluent valve was operated manually through SCAADA. Clarify why this delay 4 hr if tanks were being drained and filled for a 10 hr day and flushing goals were achieved in proposed timeline.	GE had to perform flushing manually due to inability to automatically commission their equipment outside the scope and resulted in extending the time allocated for this activity.	4
10/22/2015	10	4	Feed Water Availability Issue	General 4 hr delay due to operating the effluent valve manually	The effluent valve was operated manually through SCAADA. Clarify why this delay 4 hr if tanks were being drained and filled for a 10 hr day and flushing goals were achieved in proposed timeline.	GE had to perform flushing manually due to inability to automatically commission their equipment outside the scope and resulted in extending the time allocated for this activity.	4
10/22/2015	10	4	Feed Water Availability Issue	Operating water manually	The effluent valve was operated manually through SCAADA. Clarify why this delay 4 hr if tanks were being drained and filled for a 10 hr day and flushing goals were achieved in proposed timeline.	GE had to perform flushing manually due to inability to automatically commission their equipment outside the scope and resulted in extending the time allocated for this activity.	4
10/23/2015	10.5	2	Feed Water Availability Issue	Feed Water Availability Issue	2 hr delay claimed for operating water manually controlled thru SCAADA. Please clarify how this held up commissioning as the system was in a controlled loop.	GE had to perform flushing manually due to inability to automatically commission their equipment outside the scope and resulted in extending the time allocated for this activity.	2

10/24/2015	2	Non GE supplied Equipment Issues	Train went into standby for level transmitter in backpulsing tank (2 hr delay)	0 standby for level transmitter in feed water channel (2 hr delay)			7	2
10/25/2015	4	Turbidity Meter Installation Issues	4 hr installation delay claimed for calibration issue with RMCSO	This appears to be due to calibration concentration materials by district.			4	4
10/26/2015	4	Non GE supplied Equipment Issues	No reference in log	4 hr delay claimed for non GE supplied equipment issue. Please clarify which equipment as daily log doesn't pin point what delay to commissioning.	Controls testing could not commence as electrical contractor had to relocate feed channel level transmitter resulting in an unproductive delay to the commissioning process.		4	4
10/27/2015	4	Non GE supplied Equipment Issues		4 hr delay claimed for non GE supplied equipment issue. Please clarify which equipment as daily log doesn't pin point what delay to commissioning. Is this to reference the backwash level transmitter?	Troubleshooting and assisting TESCO in modification of non GE supplied backwash level transmitter.		4	4
10/28/2015	1	PLC Integration		1 hr delay claim for PLC integration. Daily log on comments on TESCO IO problems. Please clarify			0	0
10/29/2015	6	PLC Integration		6 hr claim for PLC integration but not specific comments about delay in daily log to clarify. Please address specifics	Troubleshooting and assisting in modification of non GE supplied control.		3	3
10/30/2015	1	Membrane preservation	1 hr claimed for membrane preservation on a travel day.	This would appear to be standard practice when leaving the site for travel. Please clarify the nature of membrane preservation delay.			0	0
11/3/2015	4	PLC Integration	TESCO controls update till lunch time. Couldn't get on system until after.				4	4
11/4/2015	3	Backpulsing system issues	TWPB logic not working. Work with TESCO to resolve logic issue	This is listed in dailies as TWPBs and not backpulsing system issues per Appendix 2. Please clarify as TWPBs is not within GE matrix. Coordination would need to happen to for full system integration.	Treated water backpulsing system utilizes GE programming, TESCO VFD and client vertical pump. The delay stems from mechanical equipment selection where GE exceeded anticipated coordination time in assisting TESCO on non GE supplied equipment.		3	3
11/5/2015	4	Backpulsing system issues	2 hr delay to drain tank for float switch reconfiguration in BPS tank. Drain waste tank to allow more room for backwashes 2 hr.	Float switch reconfiguration needed as part of commissioning. Drain waste tank to allow more room for float in perform backwash practice during travel. Why was this a delay. Please clarify?	Controls testing was delayed due to waiting for installation of float switch.		2	2
11/9/2015	2	Backpulsing system issues		2 hr delay to backpulsing system. Daily log states a issue was discussed and offered a solution. Our notes state that there was a ramp up problem with the backpulsing system while doing calibration to GE standards. Please clarify			0	0
11/10/2015	2.25	Backpulsing system issues		2.25 hrs claimed for backpulsing issue. Info hard to read on daily log but assumed this was again an issue with calibration to GE standard after manufacturer commissioning was already done. Please clarify	Controls testing delayed due to relocation of improperly installed ultrasonic transmitter by electrical contractor.		2.25	2.25
11/10/2015	2.25	PLC Integration		2.25 hrs claimed for backpulsing issue. Info hard to read on daily log but assumed this was again an issue with calibration to GE standard after manufacturer commissioning was already done. Please clarify	Tesco float PLC programming issues causing delays and incremental time for GE commissioning.		2.25	2.25
11/11/2015	1	Feed Water Availability Issue	Wiring field wiring issue. Connect wire not terminated into the PLC. Terminated in IO rack was a spare wire.	Please clarify delay. Water influent was operating in SCADA.			0	0
11/11/2015	1	Field Wiring Issues		This appears to be part of standard IO check out that wasn't caught earlier.	This wiring error should have been caught during the continuity testing before GE arrived at site for commissioning.		0.5	0.5
11/11/2015	4	Feed Water Availability Issue	4 hr delay claimed for feed water availability issue due to drain valve being opening (found during testing). The tank was drained and valve shut	4 hr delay claimed for feed water availability issue due to drain valve being opening (found during testing). The tank was drained and valve shut	Issues with Mechanical RMCSO equipment failure resulted in delays and incremental Controls testing. See bullet 4 on IOI.		4	4
11/11/2015	1	Field Wiring Issues		Assumed to be same delay as claimed by other FSR. Please clarify			0	0
11/12/2015	1	Backpulsing system issues		1 hr claim for backpulsing issue? hr claim for feed water. Can't read daily log due to copy provided. Please clarify			0	0
11/12/2015	1	Feed Water Availability Issue		1 hr claim for backpulsing issue? hr claim for feed water. Can't read daily log due to copy provided. Please clarify	Feedwater valve issue controlled by TESCO led to plant overflow incremental effort and testing delay.		1	1
11/12/2015	2	Backpulsing system issues		1 hr claim for backpulsing issue? hr claim for feed water. Can't read daily log due to copy provided. Please clarify			0	0
11/13/2015	5	Non GE supplied Equipment Issues	Backpulsing step control testing to GE standards.	Please clarify how this is a customer issue as it was functional and commissioned by manufacturer rep prior to arrival. Our understanding is it was merely adjusting ramp up to get within tolerance of GE setpoints.			0	0

11/13/2015	11	3	Backpulse system issues	5 hr delay claim for backpulse step control testing to GE standards. Please clarify how this is a customer issue as it was functional and commissioned by manufacturer rep prior to arrival. Our understanding is it was merely adjusting ramp up to get within tolerance of GE setpoints.	Time spent on reprogramming of BP pump from original controls due to mechanical issues with vertical turbine not supplied by GE.	3	
11/14/2015	9.5	2	Backpulse system issues	Same as previous day comment	Time spent on reprogramming of BP pump from original controls due to mechanical issues with vertical turbine not supplied by GE.	2	
11/14/2015	2	0	Backpulse system issues	Same as previous day comment		0	
11/14/2015	1	0	Feed Water Availability Issue	Same as previous day comment		0	
11/15/2015	11	2	Feed Water Availability Issue	2 hr for feed water due to feed transmitter placement in feed channel	2 hr for feed water due to feed transmitter placement in feed channel	2	2
11/16/2015	9.5	2	Feed Water Availability Issue	2 hr for feed water due to feed transmitter placement in feed channel	Applied to blower flow switch which was not wired as originally designed by GE for device protection.	2	2
11/17/2015	9.5	1.5	Blower air flow switch wiring issue	2 hr delay claim for feed water but dallas have no comment		1.5	
11/17/2015	1.5	0	Blower air flow switch wiring issue	2 hr delay claim for feed water but dallas have no comment		0	
11/17/2015	1.5	0	Backpulse system issues	2 hr delay claim for feed water but dallas have no comment		0	
11/17/2015	1.5	0	CIP sampling pump drawings, document, electrical program changes	4 hr delay claim for code changes made and deleted by TESCO	Continued issues with TESCO communication programming, GE troubleshooting programming issues with TESCO beyond what was anticipated & budgeted.	4	4
11/18/2015	9.5	4	Programming Changes	2 hr claim on PLC integration per Appendix 2. Please clarify TESCO delay. Appears to say communication issue?	Continued issues with TESCO communication programming, GE troubleshooting programming issues with TESCO beyond what was anticipated & budgeted.	2	
11/19/2015	9.5	2	PLC integration	No delay claimed this day		2	
11/20/2015	9.5	2	PLC integration	Please clarify as this was choreographing done by the district staff for scheduled travel.		0	
11/21/2015	4	4	Membrane preservation	CIP sampling pump and drawing changes claim 4 hrs. Please clarify delay as this was building site conditions based on commissioning.		0	
11/22/2015	2	0	Membrane preservation	Daily confirms that a breaker was tripped and needed to be reset when it popped. Electrician investigated and repaired GE supplied equipment. Please clarify delay.		0	
11/22/2015	12/22/2015			3 hr delay claimed by permeate pump issues.		0	
12/22/2015				Air delay caused by not supplied enough air and needed to break & install valve.		2	2
12/23/2015				Blower air flow switch wiring issue		0	
12/24/2015	4	4	CIP sampling pump drawings, document, electrical program changes	Standard commissioning setpoint coordination. Please clarify. VFD replacement needed and 2 hr delay claimed.		2	2
12/25/2015	1/5/2016			This is a GE supplied part and being replaced. Why is this a customer delay?		2	2
1/6/2016	9	1.5	Permeate Pump drive issue	Daily confirms that a breaker was tripped and needed to be reset when it popped. Electrician investigated and repaired GE supplied equipment. Please clarify delay.		0	
1/6/2016	1.5	0	Blower air flow switch wiring issue	3 hr delay claimed by permeate pump issues. Daily confirms that a breaker was tripped and needed to be reset when it popped. Electrician investigated and repaired GE supplied equipment. Please clarify delay.		0	
1/7/2016	9	2.25	Feed Water Availability Issue	Standard commissioning setpoint coordination. Please clarify. VFD replacement needed and 2 hr delay claimed.		2	2
1/7/2016	8.5	2.25	Permeate Pump drive issue	3 hr delay claimed by blower tripping		2	2
1/8/2016	5.5	2	Blower air flow switch wiring issue	2 hr reject pump failure		0	
1/10/2016	9.5	2.5	Blower air flow switch wiring issue	3 hr delay claimed by blower tripping	Please clarify blower tripping event cause and delay? Was this a setpoint issue?	0	
1/11/2016	1	1	Non GE supplied Equipment Issues	2 hr reject pump failure	3 hr delay claimed by blower tripping.	0	
1/12/2016	9.5	2	Reject Pump Failure	Troubleshoot with electrician on reject pump 2.	Please clarify root cause of failure. No specific comments about cause or solution.	2	
1/13/2016	9.5	1	Reject Pump Failure	Blower FSL alarm, verify the relay does not remain latched.	Please clarify root cause of failure. No specific comments about cause or solution.	1	
1/13/2016	1	1	Blower air flow switch wiring issue	Blower FSL alarm, verify the relay does not remain latched.	Clarify why customer delay due to coordination of GE/ESCO equipment and program and wiring.	0	
1/13/2016	1	1	CIP sampling pump drawings, document, electrical program changes	Terminate CIP sample pump into GE panel	This was needed due to location of CIP tank and calibration	1	1
1/14/2016	10	1	Permeate Pump drive Issue	1 hr permeate pump VFD replacement.	From dallas it appears this was due to settings to be too sensitive from previous calibration	1	1
1/14/2016	10	1	Blower air flow switch wiring issue	Blower set to sensitive		0	

Date	Issue	Priority	Resolution/Status	Comments	Impact	Count
1/14/2016	Blower air flow switch wiring issue	10				0
1/15/2016		10				0
1/16/2016	Programming Changes	11.5	HMI changes clean up PLC logic download and run time			0
1/31/2016		10.5				0
2/1/2016	PLC Integration	9.5	Dalles claim start discovery of where Tesco was requiring GE system for startup and GE was requiring flow from TESCO	Coordination issue between two contractors and programming language needing to be sorted out for plant operation.		0
2/2/2016	Removing temp circ piping	10	Delay claimed for rearrange metric piping (2 hr).	This was performed by district staff. Why was this a customer delay if it was valued and not necessary to remove until complete.		2
2/3/2016	Blower air flow switch wiring issue	11.5	Blower 1 low flow alarm. Checked flow switch and adjusted	Reevaluation of the blower to fall within operating standards.		0
2/4/2016	Non GE supplied Equipment issues	12	No info on daily report for delay	Re-evaluation of equipment as many where listed but no specific data on dalles.		0
2/5/2016		11				0
2/22/2016		16				0
2/23/2016		10.5	No info on daily report	No info in daily for delay but travel day. Blower air flow switch claim on appendix 2		0
2/24/2016		11.5				0
2/25/2016		10.5				0
2/25/2016		10.5	No specific comments regarding delay in dalles	This isn't claimed dalles except for minor comments. Blower 1 comments seem to be repetitive alarm. GE equipment.		1
2/26/2016	Membrane Installation Delay	10.5	repeats left leaks remain	No specific comment regarding delay on dalles. Please clarify		1
2/29/2016	Backpulses system issues	9.5	Backpulse and backwash VFD settings incorrect.	This was already performed by previous ESR rep and claimed for delay. Why is this a repeated customer delay if not corrected during previous ESR commissioning?		2
3/1/2016		10.5				0
3/2/2016		11.5				0
3/3/2016	Non GE supplied Equipment issue	10		Appendix 2 calls for non GE supplied equipment issues but daily logs have no reference to specific delay		0
3/4/2016	Backpulses system issues	9.5		Appendix 2 refers to 1 hr backpulse system and 1 hr feed water availability issue. Daily log. There is no reference in daily log for delay outside of normal commissioning activities for alarm testing and troubleshooting.		0
3/4/2016	Feed Water Availability issue	10.5		Appendix 2 refers to 1 hr backpulse system and 1 hr feed water availability issue. Daily log. There is no reference in daily log for delay outside of normal commissioning activities for alarm testing and troubleshooting.		0
3/7/2016	Backpulses system issues	10.5		Appendix 2 refers to 1 hr backpulse system and 1 hr feed water availability issue. Daily log. There is no reference in daily log for delay outside of normal commissioning activities for alarm testing and troubleshooting.		0
3/7/2016	Feed Water Availability issue	10		Appendix 2 refers to 1 hr backpulse system and 1 hr feed water availability issue. Daily log. There is no reference in daily log for delay outside of normal commissioning activities for alarm testing and troubleshooting.		0
3/7/2016	Backpulses system issues	10.5	Backpulses and backwash Low and high flow alarms Blower 1 will not start. VFD fault. Informed TESCO and ordered repair.	Only comments seem to be about alarm and no specific issues related to delay.		2
3/9/2016	Blowers faulty VFD	2	Set valve to manual on BP pumps and Backwash drain if operator receive HI or LO flow alarms	Part malfunction and replace.		2
3/9/2016	Changes to pump valve position	1	Daily log calls out for damage to turb near by RMCSO.	Was this due to another issue or standard commissioning of the system?		1
3/10/2016	Blower air flow switch wiring issue	11.5	blower VFD trends updated	Daily logs refer to blower VFD trends but no details on delay outside of normal commissioning activities for alarm testing and troubleshooting.		0
3/11/2016	Turbidity Meter Installation issue	12				2
3/17/2016	Backpulses system issues	12	Resetting points on backpulses BW trends and air line updating.	Backpulse comments calls out resetting points based on previous ESR comments which would be normal commissioning protocol.		0
3/17/2016	Backpulses system issues	11		This appears to be standard commissioning operations.		0
3/13/2016	Non GE supplied Equipment issue	5	Change due to low sodium hypo concentration	This is reference in emails to be for backpulse system pumps and resetting		0
3/14/2016	PLC Integration	10.5		Appendix 2		2
3/15/2016	PLC Integration	12				6
3/16/2016	PLC Integration	12				0
3/16/2016	Trains Failed due to ACH over-drops	12				3
3/17/2016		12				0

Total From 152



4 Commissioning and Post Commissioning Services

Commissioning Services

With hundreds of full scale Wastewater and Water plants started up and in operation, the Commissioning Department of GE Water & Process Technologies (GE) has developed a powerful infrastructure that provides timely support and management of all commissioning activities. This department takes full responsibility for in-house testing. Seven active PICS (Programmable Industrial Control Simulations) stations are available at GE's Center of Excellence for UF Membrane technology, in Oakville Ontario, for testing newly developed PLC code before deployment. Owner training packages are developed, maintained and delivered by this same group.

Specific field service is included with the equipment supplied to provide the Owner with:

- Technical Assistance to Contractor for equipment installation;
- Technical Assistance for Mechanical Equipment Testing and Demonstration Testing;
- Technical Assistance for Performance Testing; and
- Operator Training.

Summary of Commissioning Services

The following is a summary of the Field/Technical Support Services provided by GE for the 4.0 MGD Rancho Murieta CSD Water Treatment Plant (Phase 1).

Task	No. of Person Days	No. GE Personnel	No. of Trips
Technical Assistance to Contractor for equipment installation	8	1	2
Technical Assistance for Mechanical Equipment Testing/Commissioning	45	1	3
Technical Assistance for Performance Testing	8	1	1
Operator Training	8	1	2
Total	69		8

Programmable Industrial Control Simulation (PICS)

Programmable Industrial Control Simulation (PICS) is a software package that provides a means to simulate plant operation in the office. This advanced software simulates real inputs from an operating plant, which allows the program code to respond as if the plant were actually there. The programmer, together with the GE Service Representative (FSR) assigned to commission the project, test the entire control documentation. This software allows us to test the control logic of the plant to ~90% accuracy - prior to the program, programmer or FSR leaving GE!

Rancho Muireta, CA
GE Project No 501096
Appendix 4

Row Labels	Catherine I	Jasjit Manç	Katherine I	Manuel Es	Matthew L:	Stewart Ke	Yathukulan	Kailleswar:	Site Day	FSR Trips
1/19/2015				2						
1/20/2015				7					1	1
1/21/2015				7					1	
4/29/2015						2				
4/30/2015						1				
5/1/2015						2				
5/4/2015										
5/5/2015										
5/6/2015										
5/7/2015										
5/8/2015										
5/11/2015						1.5				
5/12/2015										
5/13/2015										
5/14/2015										
5/15/2015										
5/18/2015										
5/19/2015					1.75					
5/20/2015					0.75					
5/21/2015					1.75					
5/22/2015					1.75					
5/25/2015					7.5					1
5/26/2015					7.5				1	
5/27/2015					7.5				1	
5/28/2015					7.5					
5/29/2015					1					
6/1/2015					0.25					
6/2/2015					0.25					
6/3/2015					0.25					
6/4/2015					0.25					
6/5/2015					0.25					
6/8/2015					1					
6/9/2015					1					
6/10/2015					1					
6/11/2015					1					
6/12/2015					1					
6/15/2015					0					
6/16/2015					0.25					
6/17/2015					0.25					
6/18/2015					0.25					
6/19/2015										
6/22/2015					0.5					
6/23/2015					0.5					
6/24/2015					0.5					
6/25/2015					0.5					
6/26/2015					0.5					
6/29/2015					0.25					
6/30/2015					0.25					
7/2/2015					0.25					
7/3/2015					0.25					
7/6/2015					0.5					
7/8/2015										
7/9/2015					0.5					
7/10/2015					0.25					
7/13/2015										
7/14/2015					0.25					
7/15/2015					0.25					
7/16/2015					0.25					
7/17/2015					0.25					
7/20/2015					0.25					
7/21/2015					0.25					
7/22/2015					0.25					
7/23/2015					0.25					
7/24/2015					0.25					
7/27/2015					0.25					
7/28/2015					0.25					
7/29/2015					0.25					

7/30/2015	0.25				
7/31/2015	0.25	7.5			
8/3/2015	0	0			
8/4/2015	0.25				
8/5/2015	0.25				
8/6/2015	0.25				
8/7/2015	0.25				
8/10/2015	0.25				
8/11/2015	0.25				
8/12/2015	0.25				
8/13/2015	0.25				
8/14/2015	0.25				
8/17/2015	0.25				
8/18/2015	0.25				
8/19/2015	0.25				
8/20/2015	0.25				
8/21/2015	0.25				
8/24/2015	0.25				
8/25/2015	0.25				
8/26/2015	0.25				
8/27/2015	0.25				
8/28/2015	0.25				
8/31/2015	0.25				
9/1/2015	0.25	6.5			
9/2/2015	0.25	4.5			
9/3/2015	0.25	3.5			
9/4/2015	0.25	4.5			
9/7/2015	0				
9/8/2015	0.5	4			
9/9/2015		2			
9/10/2015	0.5	1			
9/11/2015	0.25	7.5			
9/14/2015	1		6		
9/15/2015	0.5		12		
9/16/2015	1		11.5	1	1
9/17/2015	0.5		11.5	1	
9/18/2015	1		10.5	1	
9/19/2015			10	1	
9/21/2015			11	1	
9/22/2015			12	1	
9/23/2015			11	1	
9/24/2015			12	1	
9/25/2015			10	1	
9/26/2015			7.5	1	
9/27/2015			4	1	
9/28/2015			10	1	
9/29/2015			13	1	
9/30/2015			12		
10/1/2015			8	1	
10/2/2015			8		
10/4/2015			12		
10/5/2015			10.5	1	
10/6/2015			10.5	1	
10/7/2015			10	1	
10/8/2015			10	1	
10/9/2015			10	1	
10/10/2015			8	1	
10/12/2015			12	1	
10/13/2015	1	2.25	9.5	1	
10/14/2015	1	1	10.5	1	
10/15/2015	1		9.5	1	
10/16/2015	1	2.25	9.5	1	
10/17/2015		4	3	0.5	
10/19/2015	1		15	1	
10/20/2015	1		11	1	
10/21/2015	1		10	1	
10/22/2015	1		10	1	
10/23/2015	1		10	1	
10/24/2015			10.5	1	
10/25/2015			12	1	
10/26/2015	1		10	1	
10/27/2015	1		10	1	
10/28/2015	1		10	1	
10/29/2015	1		12	1	

10/30/2015			1		13	0.5	
11/2/2015	17		1		4		1
11/3/2015	8.5		1			1	
11/4/2015	10	8	1			1	
11/5/2015	9.5		1			1	
11/6/2015	11.5		1			1	
11/7/2015	10.5	6			12		1
11/9/2015	4	9.5	1.5	2	10	2	
11/10/2015	3.5	9.5	1.5	6	9	2	
11/11/2015		9.5	0.75		10	2	
11/12/2015		9.5	1.5		11	2	
11/13/2015		9.5	1.5		11	2	
11/14/2015		4			9.5	1.5	
11/15/2015		4			11	1.5	
11/16/2015		11	1		9.5	2	1
11/17/2015		10.5	1		9.5	2	
11/18/2015		10	1		9.5	2	
11/19/2015		10.5	1		9.5	2	
11/20/2015		11	1		9.5	2	
11/21/2015		5			16	0.5	
11/22/2015		2				0.5	
11/23/2015		11	0.25			1	
11/24/2015		12	0.25				
11/25/2015			0.25				
11/26/2015			0.25				
11/27/2015							
11/30/2015							
12/1/2015		8					
12/2/2015					6	1	
12/3/2015					8	1	
12/7/2015							
12/10/2015					4	0.5	
12/14/2015							
12/15/2015							
12/17/2015							
12/18/2015							
12/22/2015			1				
12/24/2015			1		4	0.5	
1/4/2016	2		1				
1/5/2016	18.5		1		2		1
1/6/2016	9		1			1	
1/7/2016	9		1			1	
1/8/2016	8.5		1			1	
1/9/2016	5.5					1	
1/11/2016	9.5		1.25			1	
1/12/2016	9.5		1.25			1	
1/13/2016	9.5		1.25			1	
1/14/2016	10		1.25			1	
1/15/2016	10		1.25			1	
1/16/2016	11.5					1	
1/17/2016	10.5						
1/18/2016	1		0.25				
1/19/2016			0.25				
1/20/2016			0.25				
1/21/2016			0.25				
1/22/2016			0.25				
1/25/2016			0.25				
1/26/2016			0.25				
1/27/2016			0.25				
1/28/2016			0.25				
1/29/2016			0.25				
1/31/2016	12						1
2/1/2016	9.5		1			1	
2/2/2016	10		1			1	
2/3/2016	9.5		1			1	
2/4/2016	10		1			1	
2/5/2016	11		0.5				
2/8/2016	3.5		0.25				
2/9/2016			0.25				
2/10/2016	5.5		0.25				
2/11/2016			0.25				
2/12/2016	2.5		0.25				
2/16/2016			1				
2/17/2016			1				

APPENDIX 5



GE

Water & Process Technologies

Service Headquarters
 3239 Dundas Street West
 Oakville, Ontario, CANADA L6M 4B2
 Tel: 905 465 3030 Fax: 905 465 5050
 Technical Support: 866 271 5425

2015 ES Services Hourly Rates - US Sites		
All currency figures are in US Dollars (USD \$)		
Skill Category		Price/Hour
Technician Level		
Field Service Technician	Product Support Technician	\$ 125
Specialist Level		
Field Service Representative	Membrane Specialist	\$ 140
Commissioning Specialist	Plant Controls Specialist	
Engineer Level		
Project Manager	Electrical/Controls Engineer	\$ 170
Process Engineer	Operator Training Specialist	

For multiple, scheduled site visits, please feel at liberty to request a firm Service Proposal from your Regional Lifecycle Manager.

Scheduling - Service requests should be directed to our Service Headquarters. Business hours for daytime Technical Support by telephone are 8:30am to 17:00pm Eastern Time GMT-5, from Monday to Friday

Conditions

- Travel time will be charged at the applicable Service rate. Travel hours will originate at the GE representative's residence or airport and will end at arrival to the hotel or work site. Travel hours returning after the visit will be calculated in reverse order. Minimum site visit duration - 4 hours including travel time.
- In general GE does not bill overtime. However, a Surcharge may be applied to extraordinary weekend, statutory holiday, overtime, or any urgent call-out for unscheduled emergency work requiring immediate deployment and requiring disruption of already scheduled work. The application of a Surcharge will be determined on a case-by-case basis. Hours in excess of a 10 hour day or a 40 hour work week may be considered overtime. Statutory Holiday rates may be applied based on the statutory holidays prevailing in the country where the work is being performed.
- Lodging, meal and auto expenses will be billed based on a flat, per-diem rate of \$100/day for local service and \$250/day for non-local. Flight expenses will be billed at a flat rate of \$850/return flight unless otherwise specified. Flight change fees initiated by customer will be invoiced at cost +20% administration.
- For extended duration work assignments, staff rotations are scheduled on a monthly basis and may be subject to travel expense charges.
- Supplies, materials or services purchased ad hoc for direct use during service delivery will be charged at actual cost +20% administration.
- State/Provincial taxes, use taxes, withholding taxes and all other taxes are extra where applicable. The Customer is responsible to provide any applicable tax exemption certificates with its purchase order or work order.
- All services provided are governed by the prevailing standard version of the GE Water & Process Technologies Term and Conditions except where specific other terms have been agreed to in writing.
- Rates and conditions are subject to change without notice after 30 days from Customer receipt of this rate sheet.

Labour Quoting Tool GE W&PT - Rev 1.3.xlsm

©GE Water & Process Technologies. Confidential and Proprietary Information - The information contained in this document is submitted for evaluation to the Customer only. Customer agrees not to reveal its contents except to those in Customer's organization as is necessary for evaluation. If the preceding is not acceptable to Customer, this document shall be returned to GE Water & Process Technologies.



Feb 2, 2017

GE Power & Water
3239 Dundas Street West
Oakville, Ontario Canada
(905) 465-3030

**RE: Rancho Murieta Water Treatment Plant Expansion
PCO #01 various design re-work and re-commissioning additional information provided**

Attn: Joe O'Reilly

Joe,

We are in receipt of your response received Jan 25, 2017. We have completed our review and have attached the marked up calculation sheet (appendix A) for our current findings. We have also supplied the following comments to your response in segments provided (1 thru 3). As discussed this is in review with your contract and proposed changes or delays caused by others to your performance.

-Area 1 (Office support)-

As previously mentioned this time is impossible to track and is a support role to onsite field service reps. The current claim is for 140 hours of time which is compared to the currently offered 152 FSR hours additional per your appendix 1. In review of the issues and without major defined design changes claimed which would have conveyed individual changes to scope and could promote an issue we are offering a percentage base of 25% of calculated FSR hours we find amicable. This results in approximately 58 mh in comparison to the 130 mh for FSR hours we offer per comments below.

-Area 2 (extra commissioning)-

We have reviewed the additional information provided in GE appendix 2 about 152 currently claimed hours. In the comparison between your revised claimed hours we found areas that would be considered problems that would be derived during standard commissioning or not resulting in additional scope. These mostly line up with membrane installation delays and backpulse startup issues and have been highlighted in Appendix 2 attached for reference. The membrane installation was supervised by FSR after repeated meetings and analysis of installation instructions and we saw no major delay in installation of provided equipment. The other days claimed for delay proceeding the originally planned installation were still utilized in commissioning of other elements of the process that were available and necessary that hadn't been fully commissioned prior. The backpulse system was installed and tested per manufacturers installation instructions. Our understanding of the delay claimed was due to programming issues with VFD turning and controls. Throughout commissioning GE supplied a few different FSR that all returned the backpulse system to accommodate their setup after arrival. These multiple retuning attempts caused incremental delays throughout the remainder of startup and are not assumed to be part of additional commissioning as much as a coordination effort between systems. Although we have other areas of claimed additional commissioning we take objection to we propose 130 FSR man hours additional to be an amicable offer.

-Area 3 (extra FSR trips)-

We have reviewed the trip log against daily logs and can concur on the trips taken in question and take no objection based on additional FSR hours offered.

1241 Hawks Flight Court
El Dorado Hills, CA 95762
p 916.939.4000
f 916.939.4028
www.roebbelen.com

Roebbelen Management, Inc.
Roebbelen Contracting, Inc. CA License #734124
Roebbelen Contracting, Inc. NV License #0056512
Roebbelen Contracting, Inc. OR License #124156
Roebbelen Contracting, Inc. WA License #ROEBBC1967KQ
Roebbelen Construction Management Services, Inc. CA License #808764
ISO 9001: 2008 Certified



In response to your claim regarding Article 7 GE did provide notification of potential additional cost in Nov 2015 and Feb 2016 via email. At this point forward commissioning continued until 3/16/16 when onsite commissioning was completed and final performance test commenced. From these notifications and completion of onsite commissioning no cost was presented till June 24, 2016. During this timeframe 100 days had past from last day onsite but per contract this required a 45 day time limit on cost to be presented from a change. As dilenated in previous responses the proposal did not follow the notification procedures as laid out in your contract per article 7. After our review of these materials and per marked up GE Appendix 1 calculation we offer a total amount of \$49,356 additional cost for additional commissioning. Let me know if you have any questions or would like to meet to discuss our findings.

Sincerely,
Roebbelen Contracting Inc.

Jeff Dees

Jeff Dees
Project Manager

10/5/2015	10.5	1	Field Wiring Issues	Delay claimed for Feed level transmitter and backpulse Missing wiring for IO check out of level transmitter and Heater	This is assumed during typical IO check-out. No delay claimed this day	The wiring installation was incomplete and I/O checks had to be remobilized resulting in incremental & inefficient work arounds.	1	
10/6/2015	10.5	0			No delay claimed this day			
10/7/2015	10.5	0			No delay claimed this day			
10/8/2015	10	1	Field Wiring Issues	No mention of delay in log	Field wiring issue claimed as delay but no reference in daily logs to delay. Please clarify	Delay and incremental time caused by out of scope work as GE assisted contractor/client with work which GE purchased later level to verify installation where GE didn't participate. GE should have been provided as discussed at pre commissioning meeting and on check lists provided.	1	
10/9/2015	10	1	Blower belt installation, lubrication, alignment	Assisted in blower startup and installation	Blower belt installation was done by district staff after GE didn't provide any installation instruction. Please clarify why this is a GE delay			
10/10/2015	8	0			No delay claimed this day			
10/12/2015	12	2	Blower belt installation, lubrication, alignment	Blower startup complete, assisted in aaron blower shavers alignment	Blower installation was done by district staff after rotation check. Please clarify delay as this was done as was this a equipment, wiring issue or a field wiring issue for communication? Please clarify if it was wired incorrectly and why this wasn't caught during I/O check out if field wiring. This is assumed typical startup corrective actions.	These are activities on the checklist that should have been completed prior to GE commencement of HCL tank & equipment was relocated but the wiring was not moved and GE last time troubleshooting something that should have been completed before we started	2	
10/12/2015	9.5	3	Field Wiring Issues	HCL communication issue failed and had to adjust GE wiring to match up with relocated HCL tank (9 Hr).	No delay claimed this day			
10/13/2015	9.5	3			No delay claimed this day			
10/14/2015	10.5	2	Non GE supplied Equipment Issues	2 Hr delay claim was for updating GE for level transmitters that where on the plans.	This is considered a coordination issue as GE was supplied plans for the entire project.	GE was not given the opportunity to review the impact of the design modification to GE supplied equipment. This equipment was not installed. This incremental impact is considered a scope change.	2	
10/14/2015	8	8	Membrane Installation Delay	General 8 Hr delay Membrane installation was to occur 10/14	8 Hr delay claimed for membrane installation delay needs to be justified. There was still commissioning activities happening during this time that were necessary. The claim that FSR was completely unproductive needs to be further validated	GE had to find inefficient workarounds resulting in incremental efforts.	4	
10/15/2015	9.5	2	Blower air flow switch wiring issue	Set blower switch to low flow in lieu of minimum flow	No claim of delay on dalles. This is assumed standard commissioning practice of calibrating equipment	Field wiring issues are not GE's responsibility causing incremental efforts troubleshooting which should have been caught and fixed during continuity checks which had evidently not been completed.	2	
10/15/2015	6	6	Membrane Installation Delay	General 8 Hr delay membrane flushing to occur 10/15	8 Hr delay claimed for membrane installation delay needs to be justified. There was still commissioning activities happening during this time that were necessary. The claim that FSR was completely unproductive needs to be further validated		0	
10/16/2015	9.5	2	Field Wiring Issues	Heater startup after wire change by contractor, however heater would not start on auto or hand. Electrician confirmed heater issues will be resolved 10/19	Request: 150 wire supplied from bucket. This required a independent box for heater relay to be installed in Aux room and additional wire to be ran from box to bucket. Fuse needed /replaced as it was faulty		2	2
10/16/2015	9.5	6	Membrane Installation Delay	General 6 Hr membrane delay. Flushing was to occur 10/16	General 6 Hr schedule delay claimed due to membrane installation needs to be clarified. Commissioning still continued even though membrane installation didn't occur to following week.		0	0
10/17/2015	10	0			No delay claimed this day			
10/19/2015	15	5	Membrane Installation Delay	No specific comments regarding delay in dalles	5 Hr claimed during installation day. What caused a 5 Hr delay?	Incremental effort and delay to Glycerine flushing due to faulty contractor supplied level transmitter and non availability of raw water for testing.	3	
10/20/2015	11	6	Non GE supplied Equipment Issues	6 Hr delay due to tanks not being drained as client was still uncomfortable with raw water start up	6 Hr delay claim for feed water availability. Please clarify? The main control valve was operation but the plant was being shut off everyday with upstream control valve for a safety precaution as the entire system shut down hasn't been tested until membranes where installed. Possible water was repaired to leaks in train pipe connection is assumed to be standard commissioning practice.		6	
10/21/2015	10	1	Non GE supplied Equipment Issues	Precluded Train 3 for 1 Hr while leaks were repaired	The effluent valve was operated manually through SCADA. Clarify why this delay 4 Hr if tanks where being drained and filled for a 10 Hr day and flushing goals where achieved in proposed timeline.		1	
10/22/2015	10	4	Feed Water Availability Issue	General 4 Hr delay due to operating the effluent valve manually	The effluent valve was operated manually through SCADA. Clarify why this delay 4 Hr if tanks where being drained and filled for a 10 Hr day and flushing goals where achieved in proposed timeline.		4	
10/22/2015	4	4	Feed Water Availability Issue				4	
10/23/2015	10	4	Feed Water Availability Issue				4	
10/24/2015	10.5	2	Feed Water Availability Issue	Operating water manually	2 Hr delay claimed for operating water manually controlled thru SCADA. Please clarify how this field up commissioning as the system was in a controlled loop.		2	2

10/24/2015		2	Non GE supplied Equipment Issues	Train went into standby for level transmitter, backpulsed a standby for level transmitter in feed water channel (2 hr delay)			
10/25/2015	12	4	Turbidity Meter Installation Issues	4 hr installation delay claimed for calibration issue with RMCSO This appears to be due to calibration concentration materials by district.	Control testing could not commence as electrical contractor had to relocate feed channel level transmitter resulting in an unproductive delay to the commissioning process.	4	4
10/26/2015	10	4	Non GE supplied Equipment Issues	4 hr delay claimed for non GE supplied equipment issue. Please clarify which equipment as daily log doesn't list point what delay to commissioning.	Troubleshooting and assisting TESCO in modification of non GE supplied backwash level transmitters.	4	4
10/27/2015	10	4	Non GE supplied Equipment Issues	4 hr delay claimed for non GE supplied equipment issue. Please clarify which equipment as daily log doesn't list point what delay to commissioning.	Troubleshooting and assisting TESCO in modification of non GE supplied backwash level transmitters.	4	4
10/28/2015	10	1	PLC Integration	1 hr delay claim for PLC integration. Daily log on comments on TESCO IO problems. Please clarify.	Troubleshooting and assisting in modification of non GE supplied controls.	0	0
10/29/2015	12	6	PLC Integration	6 hr claim for PLC integration but not specific comments about delay in daily logs to clarify. Please address specifics.		3	
10/30/2015	13	1	Membrane preservation	1 hr claimed for membrane preservation on a travel leaving the site for travel. Please clarify the meaning of membrane preservation delay.		0	
11/3/2015	10	4	PLC Integration	TESCO controls update till lunch time. Couldn't get on system until after.	Treated water backpulsed system utilized GE programming. TESCO VFD and clean vertical pump. The delay stems from mechanical equipment selection where GE exceeded anticipated coordination time in assisting TESCO on non GE supplied equipment.	4	4
11/4/2015	10	3	Backpulse system Issues	TWAP logic not working. Work with TESCO to resolve logic issue	Control testing was delayed due to waiting for installation of float switch.	3	2
11/5/2015 11/6/2015		4	Backpulse system Issues	2 hr delay to drain tank for float switch reconfiguration in BPS tank. Drain waste tank to allow more room for backwashes 2 hr.		2	2
11/9/2015	10	2	Backpulse system Issues	2 hr delay to backpulse system. Daily log states a issue was discussed and offered a solution. Our notes state that there was a ramp up problem with the backpulse system while doing calibration to GE standards. Please clarify.	Control testing delayed due to relocation of improperly installed ultrasonic transmitter by electrical contractor.	0	2.25
11/10/2015	9	2.25	Backpulse system Issues	2.25 hrs claimed for backpulse issue. Info hard to read on daily log but assumed this was again an issue with commissioning was already done. Please clarify.	Tesco plant PLC programming issues causing delays and incremental time for GE commissioning.	2.25	0
11/10/2015		2.25	PLC Integration	2.25 hrs claimed for backpulse issue. Info hard to read on daily log but assumed this was again an issue with calibration to GE standard after manufacturer commissioning was already done. Please clarify.	This wiring error should have been caught during the commissioning.	0	0.5
11/11/2015	10	1	Feed Water Availability Issue	Please clarify delay. Water influent was operating in SCADA.		0	
11/11/2015		1	Field Wiring Issues	Wiring field wiring issue. Correct wire not terminated into the PLC. Terminated in IO rack was a spare wire.		0	
11/11/2015	11	1	Field Wiring Issues	4 hr delay claimed for feed water availability issue due to drain valve being opening found during testing. The tank was drained and valve shut	Issues with Mechanical RMCSO equipment failure resulted in delays and incremental Controls testing. See bullet 4 on DSI.	4	4
11/12/2015	11	1	Backpulse system Issues	Assumed to be same delay as claimed by other FSI. Please clarify.		0	
11/12/2015		1	Feed Water Availability Issue	1 hr claim for backpulse issue/1 hr claim for feed water. Can't read daily log due to copy provided. Please clarify.	Feedwater valve issue controlled by TESCO led to plant overflow incremental effort and testing delay.	1	
11/12/2015		2	Backpulse system Issues	1 hr claim for backpulse issue/1 hr claim for feed water. Can't read daily log due to copy provided. Please clarify.		0	
11/13/2015	11	5	Non GE supplied Equipment Issues	Backpulse step control testing to GE standards.	Please clarify how this is a customer issue as it was functional and commissioned by manufacturer prior to arrival. Our understanding is it was merely adjusting ramp up to get within tolerance of GE setpoints.	0	

Jeff Dees

From: O'Reilly, Joe (GE Power) <Joe.Reilly@ge.com>
Sent: Tuesday, February 07, 2017 7:06 AM
To: Jeff Dees
Subject: RE: Rancho Muerita, CA.....Scope Change Letter Validation for Extra Commissioning Time

Hi Jeff,

We accept the offer presented in the response letter below in the amount of \$49,356.

Do you need anything further from us?

Once approved by the board, can we simplify the transaction by issuing a Debit Memo for payment with the final waiver?

Thanks,
joe

From: Jeff Dees [mailto:JeffD@roebbelen.com]
Sent: Monday, February 06, 2017 11:51 PM
To: O'Reilly, Joe (GE Power)
Subject: EXT: RE: Rancho Muerita, CA.....Scope Change Letter Validation for Extra Commissioning Time

Joe,
 See attached response. We had the opportunity to meet with the district end of last week to review and they hope we can close this out with this final offer so they can take it to the board next week. Let me know if you have any questions or can confirm so we can put this into the board package for approval. Our deadline would be Thurs so let me know if we need to discuss tomorrow over the phone.

Thanks,

From: O'Reilly, Joe (GE Power) [mailto:Joe.Reilly@ge.com]
Sent: Wednesday, January 25, 2017 6:29 AM
To: Jeff Dees <JeffD@roebbelen.com>
Subject: RE: Rancho Muerita, CA.....Scope Change Letter Validation for Extra Commissioning Time

Hi Jeff,

Attached is our updated claim letter and native format of the "GE added Commissioning Log Review Comments" file provided below.

The Log is also included as a pdf in the letter for your review.

Thanks,
joe



Prime Contract Change Order

RCON RCMS AT&T Standard

RMCS Water Treatment Plant Expansion

7220 Murieta Drive
Rancho Murieta, CA 95683

Project # 33-14-007

Tel: Fax:

Date: 2/10/2017**To Contractor:**

Roebbelen Construction Management Services, Inc.
1241 Hawks Flight Court
El Dorado Hills, CA 95762

Contract Date:**Contract Number: 002****Change Order Number: 019****The Contract is hereby revised by the following items:**

GE added comissioning

CE Number	Description	Amount
218	GE additional comissioning	\$49,356.00

The original Contract Value was.....	\$11695388.00
Sum of changes by prior Prime Contract Change Orders.....	\$366,560.43
The Contract Value prior to this Prime Contract Change Order was.....	\$12,061,948.43
The Contract Value will be changed by this Prime Contract Change Order in the amount of.....	\$49,356.00
The new Contract Value including this Prime Contract Change Order will be.....	\$12,111,304.43
The Contract duration will be changed by.....	0 Days
The revised Substantial Completion date as of this Prime Contract Change Order is.....	

HDR Architecture, Inc.

Roebbelen Construction Management
Services, Inc.Rancho Murieta Community Services
District**ARCHITECT**

2365 Iron Point Road

CONTRACTOR1241 Hawks Flight Court
El Dorado Hills, CA 95762**OWNER**15160 Jackson Road
Rancho Murieta, CA 95683**Address**By Mason Beck**Address**By Robert McLean**Address**By Darlene Thiel**SIGNATURE****SIGNATURE****SIGNATURE****DATE****DATE****DATE**

Detailed prime contract change orders grouped by each prime contract change order number. Rounds to the nearest dollar.

Roebbelen Management, Inc.

Roebbelen Contracting, Inc. License #734124

Roebbelen Construction Management Services, Inc. CA License #808764

Roebbelen Construction Management Services, Inc. NV License #0056512

1241 Hawks Flight Court

El Dorado Hills, CA 95762

phone: 916.939.4000

fax: 916.939.4028

ISO 9001: 2000 Certified

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

SECURITY DEPARTMENT

YEAR IN REVIEW



PRESENTATION

By

Paul Wagner

Security Chief

MEMORANDUM

Date: February 7, 2017
To: Board of Directors
From: Darlene J. Thiel, General Manager
Subject: Consider Adoption of District Policy P2017-01, Submittal and Review of Board Goals

RECOMMENDED ACTION

Adopt District Policy P2017-01, Submittal and Review of Board Goals. This Policy supersedes District Policy 2010-02.

BACKGROUND

At the January 16, 2017 District Board Goal Workshop, the Board recommended updating District Policy 2010-02 Submittal and Review of Board Goals. Attached is the Policy with the suggested changes in red.

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

Category:	Administration/Board of Directors	Policy # P2017-01
Title:	Submittal and Review of Board Goals	

PURPOSE

Rancho Murieta Community Services District ~~may~~ conducts a Board Goal Workshop annually for the Board of Directors ~~to review previous goals and~~ to submit, discuss, and agree upon new goals. The purpose of this policy is to establish the procedures for the submittal of and review of the goals set by the Board of Directors, which are high level, direction setting goals for the District.

BASIC POLICY AND OBJECTIVES

Definition of a Goal

A goal is defined as ~~the object of a person's ambition or effort; an aim or desired result; a desired result or possible outcome that a person or a system envisions, plans and commits to achieve an object or an end that one strives to attain.~~

Submittal of Board Goal Suggestions

1. The Rancho Murieta Community Services District's Board of Directors ~~may hold holds~~ a Board Goal Workshop ~~annually every year to review previous goals and submit, discuss, and agree upon provide new goals. on the Friday after the regular January Board meeting. Department Managers- Management staff may~~ attend the meeting also.
2. Each Director is given an updated copy of the Board Goals from ~~the~~ previous years, ~~an updated copy of the Strategic Plan Action Items~~, Rules and Roles for Workshops and a blank dialogue sheet to complete.
3. The Dialogue Sheet is for the Directors to write down their suggestions for goals for the District. The areas covered on the Dialogue Sheet include: Water/Wastewater/Drainage, Security, Solid Waste, Community Relations, RMA/RMCC Relations, Employee Relations, Development, and District/Board.
4. After each Director completes and submits his/her Dialogue Sheet, the District Secretary will combine them onto one sheet, color coding them by Director. The Dialogue Sheet is used to consolidate items for discussion.
5. At the Board Goal Workshop, the General Manager will provide a summary of the suggested goals and include objectives for each goal based upon input from the Directors.

6. At the Board Goal Workshop, ~~each Director will explain his/her suggested goal.~~ Directors, along with Department Managers, will discuss each suggestion. The Directors will then agree, by consensus, on whether or not the suggestion is a Board goal.
6. Once a goal is agreed upon, the Directors, with input from Department Managers, will agree upon a start date and a due date for the goal as necessary.
7. The General Manager will provide the Board of Directors a quarterly status report on the progress of the Board goals. These status reports will generally be given at the ~~March, June, September and December~~ April, July, and October –regular Board meetings or as needed. The fourth quarter status (for the period of October through December) will be given at the Board Goal Workshop.

Approved by Rancho Murieta Community Services District's Board of Directors	
--	--

MEMORANDUM

Date: February 7, 2017
To: Board of Directors
From: Personnel Committee Staff
Subject: Consider Adoption of District Policy P2017-02, Drug and Alcohol Use

RECOMMENDED ACTION

Adopt District Policy P2017-02, Drug and Alcohol Use. This Policy supersedes District Policy 2011-09.

BACKGROUND

With the recent legalization of marijuana for recreational use, the District reviewed the current drug and alcohol use policy to ensure that it is clear regarding the prohibition of recreational marijuana use at work or when assigned to call-back duty.

The Personnel Committee recommends adoption.

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

Category:	Personnel	Policy # P2017-02
Title:	Drug- and Alcohol-Free Workplace Policy Use	

PURPOSE

The purpose of this policy is to confirm Rancho Murieta Community Services District's (District) commitment to maintain a drug and alcohol-free workplace, insure the health and safety of all District employees, customers and the general public; to identify and discipline employees who use or abuse alcohol, marijuana or drugs while on-duty~~use controlled substances~~; and to establish guidelines for drug and alcohol testing for all District employees.

The District recognizes that the use of alcohol, marijuana, and/or illegal drugs controlled substances or the abuse of legal drugs in the workplace is not conducive to safe working conditions. In order to promote a safe, healthy and productive work environment for all employees, it is the objective of the District to have a work force that is free from the influence of alcohol, marijuana, and drug controlled substances. This policy, and the distribution of it to District employees, constitutes the District's drug- and alcohol-free workplace awareness program.

BASIC POLICY AND GUIDELINES

The District has a significant interest in insuring the health and safety of its employees. It has an obligation to insure that its employees do not present a safety risk to the general public. Substance abuse can affect job performance and employee and public safety. Subject to the requirements of the Federal and state laws concerning persons with Americans with Disabilities Act (ADA), the District will be firm in identifying and disciplining those employees who abuse drugs, alcohol, marijuana, other mind-altering substances, or use controlled substances in violation of this policy.

1. Applicability

This policy applies to all employees when they are on District property, ~~or~~ when performing any District-related business, during. ~~It also applies to~~ off-site lunch periods and breaks when an employee is scheduled to return to work, and when to employees are while assigned to on-call duty (collectively "on-duty").

2. Definitions: Prohibited Substances

Prohibited substances addressed by this policy include the following:

- a. "Illegal drug" means any drug or controlled substance that (i) is not legally obtainable; (ii) is legally obtainable but has not been legally obtained; (iii) is legally obtainable but is being sold or distributed unlawfully; or (iv) is legally obtainable but is being used for any purpose other than the purpose for which it was prescribed or manufactured or in a quantity, frequency or manner that is contrary to the instructions or recommendations of the prescribing physician or manufacturer. ~~Drugs:~~

~~marijuana, amphetamines, opiates, phencyclidine (PCP), cocaine, and other mind-altering substances.~~

- b. ~~“Alcohol” means : the use of beverages or substances, including any medication containing alcohol such that it is present in the body is prohibited. “Alcohol” is defined as the intoxicating agent in beverage alcohol, ethyl alcohol or other low molecular weight alcohol, including methyl or isopropyl alcohol, and including liquor, wine and beer.~~
- c. ~~“Legal drug” means any drug, including any prescription drug and over-the-counter drug, that has been legally obtainedLegal Medications: using or being under the influence of any legally prescribed medication(s) including medically prescribed marijuana or non-prescription medication(s) while performing District business or while on District property is prohibited to the extent that such use or influence hinders job safety or job performance.~~
- d. ~~Medical m~~“Marijuana” means marijuana or marijuana product as defined at Health and Safety Code sections 11018 and 11018.1.
- e. ~~“On-duty” is defined in section 1Recreational marijuana.~~
- f. “Possession” or to “possess” means that the employee has the substance on his or her person or otherwise under his or her control.

3. Policy

No District employee who is ~~on-duty or on-call~~ will:

- a. Use, possess, purchase, sell, distribute, transport, or be under the influence of an illegal or unauthorized drugs or other illegal mind-altering substances.
- b. Use or be under the influence of alcohol.
- c. Use or be under the influence of marijuana.
- d. Be impaired by the use of a legal drug whenever such impairment might (i) endanger the safety of the employee or some other person, (ii) pose a risk of significant damage to District property or equipment; or (iii) adversely interfere with the employee's job performance or the efficient operation of the District's business or equipment~~No District employee will engage in any duties or activities that, because of medication(s) taken under a legal prescription or non-prescription medication(s), cannot be performed without posing a threat to the health or safety of the employee or others.~~

Any employee who feels his/her performance of work-related duties may be impaired by use of any legal drug that substance which carries a warning label that includes that mental functioning, motor skills and/or judgement may be adversely affected, should report it to his/her supervisor and medical advice should be sought before performing work-related duties. In the above instance, an employee using a legal drug

~~legally prescribed medication or non-prescription medication~~ may continue to work if the supervisor determines that the employee does not pose a safety threat and that job performance is not affected by such use.

- e. Employees will be subject to drug and alcohol testing when there is reasonable suspicion that the employee has violated ~~the rules expressed in this policy Section 1 and/or 2 and/or 3 above~~. In addition, when such an employee has already been found in violation of this Policy through any action or medical examination process under this Policy, as a result of substance testing under this Policy, or by the employee's own admission, the employee will be required to submit to periodic substance testing, provided that he or she is not terminated, as a condition of remaining in or returning to District employment.

4. Disciplinary Procedures and Sanctions

- a. ~~This policy will be enforced by the Agency General Manager. Any violation of this policy may result in employee discipline, up to and including dismissal, depending on the circumstances. Discipline may include a range of discipline from random testing to possible termination.~~
- b. Discipline or termination should not be taken until a thorough investigation has been completed.
- c. The decision to discipline or terminate an employee found to have ~~violated this policy used and/or be under the influence of drugs, alcohol, marijuana, and/or other controlled substances during working hours~~ may be waived or held in abeyance by the General Manager pending ~~said the~~ employee's attempt at rehabilitation, ~~depending upon the circumstances~~. The General Manager has discretion to handle each case individually with factors such as the employee's frequency of use, commitment to rehabilitation, type of substance taken and severity of violation and resulting performance impairment and/or accident as part of his consideration regarding the waiving of penalties.
- d. Discipline or termination that is waived or held in abeyance pending rehabilitation should be done on the condition, set forth in writing, that the employee:
 1. Successfully complete an approved rehabilitation program;
 2. Faithfully comply with maintenance and therapeutic measures (e.g. attendance at AA or NA meetings); and
 3. Be subject to periodic testing without further reasonable cause.
- e. ~~Employees who are found to have brought drugs, alcohol, marijuana, mind-altering substance, or other non-prescription controlled substances onto District property or work sites and to have provided them to other~~

~~employees shall be terminated without recourse to a rehabilitation program.~~

~~f. An employee who is reasonably suspected of involvement as described above and refuses to cooperate in drug and/or alcohol testing is subject to immediate termination.~~

Approved by Rancho Murieta Community Services District's Board of Directors	
--	--

DRAFT

MEMORANDUM

Date: February 10, 2017
To: Board of Directors
From: Personnel Committee Staff
Subject: Consider Approval of the Addition of an Operator in Training Position to the 2016/2017 Fiscal Year Budget

RECOMMENDED ACTION

Approve the addition of an Operator in Training position to the 2016/2017 fiscal year budget.

BACKGROUND

Staff is requesting the addition and funding of an Operator in Training (OIT) position in the 2016/2017 budget due to the anticipated increasing needs of the District's Operations staff. It is anticipated that the Wastewater Reclamation Facility will have an early start this year. Also, ongoing needs for the new water treatment plant and sewer collection system are placing additional demands on existing staff. The filling of the OIT position will ease some demands on existing staff and put the District in a better position to cover staff shortages that occur throughout the year due to illness, FMLA leave, vacations, and other lost time situations. It is difficult for the District to quickly train staff on the operations of the new Water Treatment Plant and the Wastewater Reclamation Facility. The position would be funded out of the Water, Sewer, and Drainage Budgets.

As of December 2016, the Water and Sewer funds reflect Net Income of \$317,041 (of which \$208,104 is over the expected Net Income per the year to date budget). Therefore, this additional position should not create an adverse impact to the Water, Sewer, and Drainage Budgets this fiscal year. Considering that this position could alleviate a significant portion of existing operator over-time pay, the net financial impact of adding the OIT position should be negligible. During calendar year 2016, the District paid \$65,951 in O.T. (1,250 hours of OT) to its existing operators. Assuming an average employer burden of 50% of wages, the estimated cost of adding the OIT position would be \$60,690 to \$75,864 (based on the 2017 wage schedule listed for the position). While OT during 2016 was affected by the water treatment plant start-up, average OT for calendar year 2013, 2014 and 2015 is 566 hours, which equates to roughly \$30,000 in OT wages on average (fully burdened this equates to \$45,000). Assuming that the OIT position would offset approximately 80% of OT, OT savings would be approximately \$36,000 ($\$45,000 \times 80\%$). The added cost to the budget for the OIT position, at the step 1 level, would be \$25,000 (derived from $\$60,690 - \$36,000 = \$24,690$). An additional benefit to adding the OIT position is reducing the potential OT burn-out placed on existing Plant Operator staff.

Board approval is needed as this position is not funded in the Position Listing of the 2016/2017 budget. This is the entry and training level in the Plant Operator class series. Incumbents work in a training status under supervision of a qualified, certified and experienced operator until certifications are achieved. This position will have the opportunity to help out field operations staff while obtaining the necessary experience to achieve certifications while working for the District. Once certification is obtained, the OIT could work independently as needed and have the potential to fill a vacant Operator position, if available.

Attached is the job description. The OIT wage schedule is already established in the Memorandum of Understanding with the Operating Engineers Local 3. The 2017 wage schedule for the OIT is \$40,460 (step 1) to \$50,576 (step 6) (\$19.452 to 24.315 / hr. respectively).

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

OPERATOR IN TRAINING (OIT)

DEPARTMENT: WATER/WASTEWATER

FLSA OVERTIME STATUS: NON-EXEMPT

BARGAINING UNIT: OPERATING ENGINEERS LOCAL 3

APPROVED BY BOARD OF DIRECTORS – 12/16/09

SUMMARY: To assist with the control, operation, and maintenance of District water and wastewater treatment and various pumping facilities, machinery, equipment, structures, and grounds, and to perform other related duties as required.

SUPERVISION: Receives direct supervision from the Chief Plant Operator.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

- Assists with controlling the operation of water and wastewater treatment and pumping facilities to achieve proper processing of wastewater and disposal of sludge and effluent within mandated operating requirements; assists with the monitoring of treatment processes and enters data in appropriate logs;
- assists with starting and controlling plant processes, chemical systems, and power generators in a safe and orderly manner; keeps machinery, equipment, structures, piping, work areas, grounds, and landscaped areas in a clean and orderly condition;
- assists others as needed, maintenance of grounds, machinery and equipment maintenance, repair, and overhaul;
- assists with the transport and storage of hazardous chemicals and gases; utilize self contained breathing apparatus as required; inspects pumping stations, control equipment, facilities, and grounds for needed maintenance and repairs and unusual operating conditions;
- assists in the operation, repair, and maintenance of related storm and drainage systems, lifting and pump stations and collection systems;
- learns how to perform operating procedures; learns sample collection and laboratory testing and analytical procedures; work in or around hazardous electrical

panels and equipment;

- learns and trains in proper operating and safety procedures for normal operations, chlorine leaks and other emergencies.

DISTINGUISHING CHARACTERISTICS:

This is the entry and training level in the Plant Operator class series. Incumbents work in a training status under supervision of a qualified, certified and experienced operator until necessary certifications are achieved.

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.

The ability to learn and apply the practices, procedures, techniques, regulations, and laws pertaining to water and wastewater treatment plant and pumping facilities operations and maintenance, and the ability to learn to operate and perform routine maintenance on treatment plant equipment and related facilities. Learn to read and interpret a variety of meters, gages, recording charts, and mechanical and piping diagrams. Have the ability to perform a variety of skilled and semiskilled maintenance and repair work. Understand and carry out oral and written instructions. Maintain and update records and logs in paper and electronic format using computer software such as word processing, spreadsheets, computerized maintenance management software, etc. Work unusual shifts, weekends, evenings, overtime, and holidays when required. Establish and maintain cooperative working relationships.

EDUCATION AND/OR EXPERIENCE:

Must be eighteen (18) years of age prior to appointment because of the hazards of the job, as defined by the Fair Labor Standards Act.

Minimum Education: High School diploma and/or equivalent.

No experience is necessary to obtain this position, however any combination of training and experience, which would likely provide the required knowledge and ability, is qualifying. A typical way to obtain this knowledge and ability would be:

One year of experience as a Utility Worker with the District; *or*

One year of general work experience in the operation and maintenance of machinery and equipment, preferably including water treatment, wastewater treatment, water distribution, or wastewater collection systems equipment and facilities.

CERTIFICATES, LICENSES, REGISTRATIONS:

Possession of the category of a valid 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 and maintenance of a CA Grade 1 Water Treatment Operator's Certificate by the California Department of Public Health, is required within 18 months of hire date.

Immediately upon hire, the OIT must file an OIT application with the State Water Resources Control Board (SWRCB) Office of Operator Certification for a Grade 1 OIT certificate, signed by the District's Chief Plant Operator.

Possession and maintenance of a CA Grade I Wastewater Treatment Certificate by the State Water Resources Control Board within 24 months of entering this position is required.

Promotion to Plant Operator I is at the discretion of the District, position availability, and is not automatic upon obtaining required certifications.

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 stoop, kneel, crouch, or crawl. The employee frequently is required to stand, walk, sit, and climb or balance. The employee is occasionally required to use hands to finger, handle, or feel objects, tools, or controls; reach with hands and arms; talk or hear; and taste or smell.

The employee must occasionally lift and/or move up to 75 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision to interpret a variety of colors on graphical and computer displays, 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.

While performing the duties of this job, the employee is frequently exposed to wet and/or humid conditions. The employee occasionally works near moving mechanical parts; in high, precarious places, and in outside weather conditions and is occasionally exposed to toxic or caustic chemicals, extreme cold, extreme heat, and vibration. The noise level in the work environment is usually loud.

COMMENTS:

Employees appointed to positions in this class are required to be neatly groomed as needed to wear respiratory protection or other safety equipment. Ability to wear and use SCBA units as regulated by Cal/OSHA.

MEMORANDUM

Date: February 10, 2017
To: Board of Directors
From: Darlene J. Thiel, General Manager
Subject: Receive Update on the 2017-2018 Fiscal Year Budget

RECOMMENDED ACTION

No action. Receive update.

BACKGROUND

Due to the Board's request to include a 5 year budget forecast and a 5 year Capital Improvement Plan in the 2017—2018 budget planning and discussion, I am recommending that we hold a special budget review meeting on Thursday, March 9, 2017 from 4:00 – 6:00 p.m. I feel that with the amount of information to review and discuss that it will be best to dedicate meeting time for the process.

Also, at the February Finance Committee, the Committee requested that the 2017 -2018 budget be presented in a three-tier format of a low, medium, and high budget for Board consideration.

MEMORANDUM

Date: February 9, 2017
To: Board of Directors
From: Darlene J. Thiel, General Manager
Subject: Consider District Board of Directors and/or Staff Attending Various Community Meetings

RECOMMENDED ACTION

No action. Discussion only.

BACKGROUND

At the January 16, 2017 Special Board meeting, Board Goal Workshop, the Board directed the Communications & Technology Committee to discuss enhancing community relations with more effective District attendance at Rancho Murieta Association and other community meetings. The Communications Committee discussed the parameters regarding Directors attending other community meetings and the guidelines for their participation in those meetings. The Committee requested that staff bring forward a guideline to the February Board Meeting to assist Directors in understanding how they should conduct themselves when attending other agency meetings.

As noted in the District's Board of Directors Guidelines, District Code Chapter 2, it is acceptable for a Director to attend meetings of other public agencies and to take opportunities to develop relationships but always in a way that supports the District Board's policy and avoids accusations of deal-making (i.e., the appearance that an individual Director is making back-door deals).

When a Director attends another agency or community meeting, how the Director interacts and participates in that meeting is determined by several things:

1. When attendance is directed and authorized by the full Board of Directors to convey the District Board's position on a certain topic:
 - a. The Director should introduce themselves so others attending the meeting know they are present.
 - b. The Director should clearly state that they are attending as authorized by the District Board to express the District Board of Directors' position on the subject matter in question.
 - c. The Director should take care to not deviate from the District Board's message or position.
2. When a Director attends another agency or community meeting but not specifically authorized by the District's full Board to convey a District Board position:
 - a. The Director should introduce him or herself themselves so others attending the meeting know they are present.

- b. The Director should clearly state that they are attending as an interested party only and that they are not there to express any particular position of the District Board of Directors.
 - c. If the Director is asked questions regarding the District Board's position on certain topics, and if the Director is not certain of the District Board's position or if the District Board has not yet taken a position, the Director should answer clearly that they are not certain of the District Board's position at that time. Care should be taken in expressing their individual position on the topic and, if shared, the Director should clearly state that it is strictly their opinion as an individual Director.
 - d. If the District Board position has been taken on the subject, the Director should represent and support that position even if it is counter to their personal position on the subject.
3. When attending another agency or community meeting as an individual resident:
 - a. The Director should introduce themselves and clearly state that they are attending the meeting as an individual resident and not in their capacity as a District Director.
 - b. When commenting or contributing to the discussion of topics, the Director should again state that they are making comments strictly as an individual. Keep in mind that even when you say you are speaking as a private individual, many in your audience nevertheless hear your comments in light of your position as a Director of the District.
4. A Director can attend other District committee meetings as an observer only. Should you decide to attend a committee meeting, on which you do not serve as a member, you can listen to the discussion but you cannot comment. Even if someone else (a committee member, staff, media, the public, etc.) asks your opinion at that meeting your response must be that you are there only as an observer and cannot contribute your comments or position.

MEMORANDUM

Date: February 15, 2017
To: Board of Directors
From: Darlene J. Thiel, General Manager
Subject: Receive and Consider Updates

PARKS COMMITTEE

Director Pecotich will present an update on the Parks Committee to include:

1. The letter to RMA Parks Committee dated February 8, 2017 from Kevin Kemper, Phillips Land Law, Inc., who represents Rancho Murieta Properties, LLC regarding applicable trail standards.
2. Tentative March meeting to continue discussion of the Park Committee Operating Guidelines.
3. Tentative trail site visit once rains subside.
4. RMA question on how CSD is considering/not considering security taxes on common/open space areas.

PENDING AND PROPOSED LAND DEVELOPMENT PROJECTS

There is continued activity regarding the Riverview and Residences East developments with inquiries regarding the developer obligations to the District and associated costs/fees.

The revised Rancho Murieta Properties proposed development plans reduce the total density to 795 lots. No word yet from County Planning on the probability of issuing a new Notice of Preparation for the draft EIR or if they will continue with the current drafting of the EIR.

PHILLIPS LAND LAW, INC

5301 Montserrat Lane
Loomis, California 95650
Telephone (916) 979-4800
Telefax (916) 979-4801

February 8, 2017

Ms. Cheryl McElheny
Parks Committee
Rancho Murieta Association
7191 Murieta Parkway
Rancho Murieta, CA 95683

Subject: Parks Committee - Discussion Regarding Applicable Trail Standards

Dear Ms. McElheny

On behalf of our client, Rancho Murieta Properties, LLC, we wish to respond to the matters described in the "Rancho Murieta Park Committee Overview" document dated 9/15/16 (the "Overview"), which was provided to the Parks Committee for comment at the Committee's November 1, 2016 meeting. While we appreciate the opportunity for comment on matters related to trail standards for the Rancho Murieta North development, we respectfully disagree with certain positions taken by RMA Staff regarding the ability of the Parks Committee to unilaterally establish new trail standards for Rancho Murieta North.

As Staff correctly notes, development within Rancho Murieta is subject to three Park Development Agreements (PDAs); the two PDAs applicable to Rancho Murieta North were adopted in February and June 1991, respectively and both agreements are substantially similar. Section 3 of the PDA (Pedestrian and Bike Trail System) provides as follows:

Landowners agree 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, which shall be incorporated in subdivision maps as development progresses. The pedestrian and bike trails may be incorporated in the road sections of subdivisions or through parks to be dedicated to RMA or granted as separate parcels (or easements) as determined by subdivision design and County of Sacramento approval. The trail system may include a river crossing, subject to any required approvals and any conditions imposed thereon by all applicable government agencies. The approximate locations of trails to

be developed are shown on Exhibit E attached hereto. It is expressly understood and agreed that locations shown on Exhibit E are conceptual only and that the actual trail configuration shall be as shown on final residential subdivision maps to be approved by the County of Sacramento. Such locations must be consistent with the density permitted under the Rancho Murieta Planned Development Ordinance Mo. 77-10 ("PD Ordinance"), applicable state and federal statutes and regulations, and customary and reasonable planning and marketing objectives. Changes in the plan shown in Exhibit E will be subject to the consent of the Park Committee, such consent not to be unreasonably withheld."

The PDA requires that the developer is to provide a system of pedestrian and bike trails within each subdivision, as development progresses. Exhibit E to the PDA conceptually describes the "approximate locations" for pedestrian and bicycle trails within Rancho Murieta. However, Section 3 of the PDA provides that the actual trail configuration is to be shown on final residential subdivision maps approved by the County of Sacramento. No provision of the PDA (including Section 3) provides the Parks Committee with the authority to develop or adopt standards or specifications for pedestrian or bike trails within Rancho Murieta North, apart from the conceptual definition of the trail system set forth in Exhibit E. The provisions of Section 5 of the PDA related to Parks Committee review and approval of construction plans for park facilities do not apply to the trail system, which is governed separately by Section 3 of the PDA.


It is our opinion that adoption of new standards and specifications for trail facilities by the Parks Committee would require an amendment to the PDA, which would have to be agreed-upon by all parties to the PDA, including Landowners. However, as matters stand today, nothing in the PDA provides the Parks Committee with the authority to unilaterally dictate trail standards or to impose standards outside the County's subdivision review process. Our client has been working through the County's subdivision review process, and is poised to submit revised tentative maps in coming weeks, which will identify the proposed trail facilities within the subdivision.

The Parks Committee is welcome to comment on the proposed tentative map as part of the County's process, and we are willing to discuss the proposed trail system with the Parks Committee at any time. However, our clients are not willing to agree to amendments to the PDA that would vest all authority to determine applicable trail standards with the Parks Committee, to the exclusion of our clients and the County.

We look forward to discussing these matters further with the Parks Committee members and Staff.

Very Truly Yours,

Phillips Land Law, Inc.



Kevin M. Kemper

CC: Mr. Greg Vorster, RMA
Ms. Darlene Theil, RMCSD
Mr. Mark Pecotich, RMCSD

CONFERENCE/EDUCATION SCHEDULE

Date: February 10, 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)

Special District Leadership Academy	February 26 – March 1, 2017	Napa
So You Want to be a General Manager	March 27, 2017	Sacramento
Beyond the Basics – Implementing Funding	May 24, 2017	Sacramento
2017 Special Districts Legislative Days	May 16-17, 2017	Sacramento
The Art of the Message	August 15, 2017	Sacramento

GOLDEN STATE RISK MANAGEMENT ASSOCIATION (GSRMA)

No Information Currently Available on Upcoming Conferences.

ASSOCIATION OF CALIFORNIA WATER AGENCIES (ACWA)

ACWA 2017 Spring Conference & Exhibition	May 9 – 12, 2017	Monterey
--	------------------	----------

ISC WEST

2017 ISC West Public Security And Safety Expo	April 5 – 7, 2017	Las Vegas
--	-------------------	-----------