

Rubidoux Community Services District

Board of Directors

Bernard Murphy, President
John Skerbelis, Vice-President
Armando Muniz
F. Forest Trowbridge
Hank Trueba Jr.

General Manager

Brian R. Laddusaw



Water Resource Management Refuse Collection Street Lights Fire / Emergency Services Weed Abatement

NOTICE AND AGENDA FOR THE RUBIDOUX COMMUNITY SERVICES DISTRICT BOARD MEETING

Thursday, April 6, 2023, at 4:00 PM

During this regular meeting of the Rubidoux Community Services District Board of Directors, members of the public will have the choice to attend and address the Board in person or attend and address the Board via Zoom.

Members of the public wanting to attend and/or address the Board virtually may do so by:

- Using the Zoom App or website for free at: <https://zoom.us/>
 - o Once installed ahead of the meeting, you may choose your audio source as either computer speakers/microphone or telephone.
 - o If you wish to make public comments via the Zoom platform, the Board Secretary will identify you at your time to speak.
 - o Meeting ID is **994 957 9980**
 - o Passcode is: rcsd
 - o Call into the meeting number 1-669-444-9171

Only one person at a time may speak by telephone and only after being recognized by the Secretary of the Board.

Closed Session: At any time during the regular session, the Board may adjourn to a closed executive session to consider matter of litigation, personnel, negotiations, or to deliberate on decisions as allowed and pursuant with the open meetings laws. Discussion of litigation is within the Attorney/Client privilege and may be held in closed session.

Authority: Government code 11126-(a) (d) (q).

1. Call to Order – Bernard Murphy, President
2. Pledge of Allegiance
3. Roll Call
4. Approval of Minutes for March 16, 2023, Regular Meeting
5. Consideration to Approve April 7, 2023, Salaries, Expenses and Transfers
6. Public Comment

Members of the public are encouraged to address the Board of Directors. Anyone who wishes to speak on an item not on the published agenda must submit a comment request card to the General Manager or designee. Each speaker should begin by identifying themselves for the record and is allowed up to three-minutes.

No one may give their time to a speaker during the public comment period of the meeting. It is requested that all present refrain from any action that might disrupt the orderly course of the meeting. Coarse, crude, profane, or vulgar language, or unsolicited comments from the audience, which disrupts or disturbs the Board meeting, may result in exclusion from the meeting.

The Ralph M. Brown Act, Government Code 54950, et. seq. prohibits members of the Board of Directors from taking formal action or discuss items not on the published agenda. As a result, immediate response to public comment may be limited.

7. Correspondence and Related Information:
8. Manager's Report (Second Meeting each Month):
 - a) Operations Report
 - b) Emergency and Incident Report
 - c) Follow up to questions at prior Board Meeting and other updates

ACTION ITEMS:

9. Consider Approval of the Notice of Exemption and Authorization for Staff to File It - Market Street Pipeline Relocation Project and Authorization for Staff to File it with the Appropriate Agencies: **DM 2023-33**

10. Consideration to Adopt Resolution No. 2023-903, A Resolution Designating and Authorizing Certain Staff Members for Local Agency Investment Fund (LAIF) Banking Purposes: **DM 2023-34**
11. Consideration to Adopt Resolution No. 2023-904, A Resolution Designating and Authorizing Certain Staff Members the Ability to Conduct Electronic Transactions Between Banking Institutions: **DM 2023-35**
12. Consideration to Purchase Gym Equipment for Fire Station 38: **DM 2023-36**
13. Consider Professional Services Contract for Hydraulics and Preliminary Design of Improvements in the 1238 (Hunter) Pressure Zone: **DM 2023-37**
14. Consider Purchase of Continuous Mn Analyzer: **DM 2023-38**
15. Directors Comments - Non-action
16. Adjournment

4. Approval of Minutes for March 16, 2023, Regular Meeting

MINUTES OF REGULAR MEETING
March 16, 2023
RUBIDOUX COMMUNITY SERVICES DISTRICT

DIRECTORS PRESENT: Armando Muniz
Bernard Murphy
John Skerbelis
F. Forest Trowbridge
Hank Trueba, Jr.

DIRECTORS ABSENT:

STAFF PRESENT: Brian Laddusaw, General Manager
Ted Beckwith, District Engineer
Martha Perez, Accounts Payable Manager
Miguel Valdez, Director of Operations
Melissa Trujillo, Human Resources

Call to order: the meeting of the Board of Directors of the Rubidoux Community Services District by President Murphy, at 4:00 P.M., Thursday, March 16, 2023, by teleconferencing at District Office, 3590 Rubidoux Boulevard, Jurupa Valley, California.

*Director Murphy requested Item 18 be moved to 4:45. There will be a break at 4:40.

ITEM 4. APPROVAL OF MINUTES

Approval of Minutes for March 2, 2022, Board Meeting.

Director Skerbelis moved, and Director Trueba seconded to approve the March 2, 2023, Regular Board Minutes as presented.

Roll call:

Ayes – 5 (Muniz, Murphy, Skerbelis, Trowbridge, Trueba)

Noes – 0

Abstain – 0

Absent – 0

The motion was carried unanimously.

ITEM 5. Consideration to Approve the March 17, 2023, Salaries, Expenses and Transfers.

Consideration to Approve the March 17, 2023, Salaries, Expenses and Transfers.

Director Skerbelis moved, and Director Trueba seconded to Approve the March 17, 2023, Salaries, Expenses and Transfers.

Roll call:

Ayes – 5 (Muniz, Murphy, Skerbelis, Trowbridge, Trueba)

Noes – 0

Abstain – 0

Absent – 0

The motion was carried unanimously.

ITEM 6. PUBLIC ACKNOWLEDGE OF NON-AGENDA MATTERS

Mr. Ed Flanagan from the public addressed the board regarding the meter readers driving the wrong way on the road as they read the meters. Additionally, he had an issue with the trash trucks leaking as they are driving the roads. He stated that the trucks need to be checked more frequently. Staff informed him that if he sees any leaks or messes, he can call the office and the office staff will reach out to Burrtec, who will then send out a cleanup team.

ITEM 7. CORRESPONDENCE AND RELATED INFORMATION

There was nothing to offer at this time.

ITEM 8. MANAGER’S REPORT

Operations Report:

Miguel Valdez reported on the water/wastewater report for the month of February, production was an average of just under 3.32 mgd per day and an average of 1.66 mg/day was the wastewater flow to Riverside. On average 0 mg/day of water to JCSD. The projected sales to JCSD are at zero sales currently. Well No. 1 produced 0.8% of the water, Well No. 2 produced 16.2%, Well No. 4 produced 11.1% and Well No. 6 produced 17.5%, Well No. 8 produced 53.5% and Well No. 18 produced 1% of the water.

Emergency and Fire Report:

Chief Otterman reported the Incidents Reported for the month of February 2023 and Special District Rubidoux CSD. Station 38 had a total of 272 calls. 183 calls, 67.3% were medical aides. Additionally, there was a report for the City of Jurupa Valley. There were 31 False Alarms, 11.4%, 3 Other Misc, 1.1%, 6 Other Fire, 2.2%, 22 Public Service Assist, 8.1%, 2 Standby, 0.7%, 18 Traffic Collisions, 6.6%, 1 Vehicle Fire, 0.7% and 2 Wildland Fires, 0.7%.

Brian spoke about Meet the Machines at the Skyview Event Center, presented by Jurupa Area Recreation and Park District. This will take place on April 15, 2023, from 9:00-1:00 pm. RCSD will be participating in this again. Secondly, the communications consultant would like to

interview two (2) board members who would be willing to participate in these one-on-one interviews. There are two dates available with multiple times. Please contact Melissa.

ITEM 9. PUBLIC HEARING - Second Reading and Consideration to Adopt Ordinance No. 2023-133, An Ordinance Establishing Board Member Stipends. DM 2023-24.

BACKGROUND

On February 2, 2023, at the regularly scheduled Rubidoux Community Services District (“District”) Board of Director’s (“Board”) meeting, the Board directed staff to prepare draft Ordinance No. 2023-133 and schedule its introduction (First Reading) at the February 16, 2023, regular Board meeting. On February 16, 2023, prior to the First Reading of Ordinance No. 2023-133, the Board motioned and voted to table the First Reading until March 2, 2023. On March 2, 2023, the Board conducted the First Reading of Ordinance No. 2023-133. Subsequent to the First Reading, staff was directed by the Board to continue with the Ordinance adoption schedule, which is as follows:

- March 16, 2023 (**TONIGHT**) – Second Reading, Public Hearing, and Consideration to Adopt Ordinance No. 2023-133
- May 15, 2023 – Effective Date of Ordinance No. 2023-133 (60 days past adoption)

This evening’s Public Hearing for Ordinance No. 2023-133 was posted on the District’s administration office windows, on the District’s website, and noticed in the Press-Enterprise Newspaper.

As of the writing of this Director’s Memorandum, staff has not received any oral or written comments from the public as it pertains to Ordinance No. 2023-133. Additionally, no changes were made to draft Ordinance No. 2023-133 since the First Reading on March 2, 2023.

As a reminder, draft Ordinance No. 2023-133 includes the following adjustments to the Board Member stipends:

1. Adjust the Board member stipend for regular meetings (including special, emergency, advisory, etc.) and committee meetings to the maximum allowed under current California Water Code.

Regular: From \$155.13/meeting to **\$179.58/meeting**

Committee: From \$63.81/meeting to **\$73.87/meeting**

2. Adjust the Board member stipends automatically, on an annual basis, **commencing July 1, 2024**, to the maximum allowed under the then current California Water Code. For reference, the current California Water Code allows for a maximum 5% annual increase.

If Ordinance No. 2023-133 is adopted at the conclusion of this evening's Public Hearing, the effective date of Ordinance No. 2023-133 would be May 15, 2023. The Board would notice an adjustment to their stipend pay on their June 9, 2023 paycheck, as the Board is paid in arrears.

**Director Murphy opened the PUBLIC HEARING.
Member of the public Ed Flanagan commented off the topic.**

Director Murphy closed the PUBLIC HEARING.

Director Trowbridge moved, and Director Muniz seconded to adopt Ordinance No. 2023-133, An Ordinance Establishing Board Member Stipends.

Roll call:

**Ayes – 2 (Murphy, Trowbridge)
Noes – 3 (Muniz, Skerbelis, Trueba)
Abstain – 0
Absent – 0**

**The vote was 2 Ayes, 3 Noes.
The motion failed.**

ITEM 10. Receive and File Statement of Cash Asset Schedule Report Ending February 2023. DM 2023-25.

BACKGROUND

Attached for the Board of Directors' consideration is the February 2023 Statement of Cash Asset Schedule Report for all District Fund Accounts. Our YTD interest is \$230,749.55 for District controlled accounts. With respect to District "Funds in Trust", we show \$9,036.94 which has been earned and posted. The district has a combined YTD interest earned total of \$239,786.49 as of February 28, 2023.

The District's Operating Funds (Excluding Restricted Funds and Operating Reserves), we show a balance of \$14,178,660.16 ending February 28, 2023. That's **\$5,168,473.91 MORE** than July 1, 2022, beginning balance of \$9,010,186.25.

Further, the District's Field/Admin Fund current fund balance is \$720,684.77.

Submitted for the Board of Directors consideration is the *February 2023, Statement of Cash Asset Schedule Report* for your review and acceptance this afternoon.

Director Muniz moved, and Director Skerbelis seconded to Receive and File the Statement of Cash for the Month of February 2023 for the Rubidoux Community Services District.

Roll call:

**Ayes – 5 (Muniz, Murphy, Skerbelis, Trowbridge, Trueba)
Noes – 0**

Abstain – 0

Absent – 0

The motion was carried unanimously.

ITEM 11. Consider Proposal with Compensation Systems, Inc. to Provide Actuarial Valuation Services for the District’s Other Post-Employment Benefits Plan. DM 2023-26.

BACKGROUND

Under California Government Code §26909, Rubidoux Community Services District (“District”) is required to undergo an audit of its financial statements at the of each fiscal year. The audit must be conducted by a county auditor or by a Certified Public Accountant (“CPA”). Historically, the District has contracted with a CPA firm to conduct its audits and issue an opinion on its financial statements. In May 2022, the District’s Board of Directors (“Board”) agreed to a 5-year cost proposal with Rogers, Anderson, Malody, & Scott (“RAMS”) to perform the District’s audits through FY 2026.

Currently, the District offers its employees participation in a Defined Benefit Pension Plan (“Plan”) administered by the California Public Employees’ Retirement System (“CalPERS”). CalPERS provides service retirement and disability benefits, annual cost of living adjustments, and death benefits to plan members, who must be public employees and beneficiaries. The District sponsors three plans: two miscellaneous and one safety. Each year, the District’s CalPERS plans are valued by an actuary as part of CalPERS annual valuation process. As a result, the valuation will establish, at the end of each fiscal year, total benefits already earned by current and former employees covered by CalPERS. This amount is then compared to total plan assets. Plan assets are established through normal payroll contributions, yearly unfunded liability payments, and from return on investments of already deposited plan assets. Liabilities in excess of plan assets creates an unfunded accrued liability (“UAL”). The UAL is included in the District’s financial statements as a liability to the District.

Additionally, the District has established a single-employer Retiree Healthcare Plan otherwise considered an Other Post-Employment Benefit (“OPEB”). This coverage is available for employees who have retired from the District and maintain their health insurance through CalPERS. The District’s current contribution cap is \$196 per month per retiree. Similar to the District’s Plans administered through CalPERS, the District’s OPEB plan must be valued by an actuary each fiscal year with the resulting liability included on the District’s financial statements. CalPERS does not perform actuarial services for the District’s OPEB plan. Additionally, the District’s current auditor, RAMS, is disallowed from performing actuarial services on the plan since they already perform the audit work for the District and would give rise to an independence issue. Thus, since 2019, the District has contracted with Total Compensations Systems, Inc. (“Total Comp”) to perform the actuarial work on the District’s OPEB plan.

Under Governmental Accounting Standards Board (“GASB”) 74 and 75, a full valuation is required of the District’s OPEB benefits every other year while a “roll-forward” valuation is allowed in between. The District is required to perform a full valuation for FY 2023. The District received a proposal from Total Comp for a full valuation for FY 2024, which are:

Full GASB 74/75 GASB 74/75 w/10% Discount

Fee for Full Valuation	\$3,700	\$3,330
Roll-forward Valuation for 2 nd Year	\$1,850	\$1,665

Based on the terms of the proposal, the District has the option of a 10% discount on both valuations if the District remits 50% payment upon commencement of the work and the remaining 50% upon issuance of the final report. It's noted in the proposal, the discount period would expire December 2022. Staff discussed this discount period with Total Comp who agreed to honor it. Historically, the District has followed this payment strategy and taken benefit of the 10% discount offered by Total Plan. Staff recommends the Board accept the proposal from Total Plan for a full valuation for FY 2023 and "roll-forward" valuation for FY 2024.

The costs of the valuation for FY 2023 was mistakenly omitted from the District's General Fund Budget line 33 'Auditors Fees'. Staff recommends the Board consider a budget amendment to the District's General Fund Budget line 33 'Auditors Fees' would adjust to \$35,330. Additionally, if the proposal is approved by the Board, staff will budget for the "roll-forward" valuation cost in FY 2024's budget.

Director Skerbelis moved and Director Muniz seconded the Board of Directors authorize the General Manager to:

- 1. Accept the proposal from Total Compensation Systems, Inc. for FY 2023 and 2024 valuation services of the Districts Other Post-Employment Benefits Plan.**
- 2. Sign a Consulting Services Agreement with Total Compensation Systems, Inc. and issue a Task Order in the amount of \$3,330.**
- 3. Amend the FY 2023 General Fund Budget line 33 'Auditors Fees' to \$35,330.**

Roll call:

Ayes – 5 (Muniz, Murphy, Skerbelis, Trowbridge, Trueba)

Noes – 0

Abstain – 0

Absent – 0

The motion was carried unanimously.

ITEM 12. Consider Proposal with Jager Trans Inc. to Provide Commercial Driver's License Class "A" Training to Field Employees. DM 2023-27.

BACKGROUND

Rubidoux Community Services District ("District") is authorized to employ twenty-six (26) full-time equivalent ("FTE") employees and two (2) part-time employees. Each employee working within their position has a job description which describes the duties, responsibilities, required qualifications, and reporting relationships of a particular role. Included in the Utility Maintenance Worker and Systems Operator job class series is a requirement for the employee working in the role to obtain a Department of Motor Vehicles Commercial Driver's License Class "A" designation within their first year of employment. Due to the significant cost and time

associated with obtaining a Class “A” designation, District practice has been to coordinate and pay for the necessary driving school and training.

Over the last few years, the District has seen turnover in the Utility Maintenance Worker and Systems Operator job class series mostly due to retirements. Additionally, the Systems Operator job class series added a new FTE beginning fiscal year 2022-2023. Not all the individuals hired by the District to fill those vacant positions had a Class “A” designation and thus made it necessary for the District to facilitate this training.

Proper Class “A” training can last between 3-4 weeks and due to the already limited crew sizes at the District, staff plans to stagger the training amongst the individuals needing it over the remaining of this fiscal year and next to ensure the District has proper coverage and maintains a continuity of operations.

The District received proposals from two vendors who provide the necessary classroom time and behind the wheel training sufficient for a Class “A” designation. They were:

Vendor	Amount	Employees	Total
Jager Trans Inc.	\$ 2,605	4	\$ 10,420
United Truck Driving School	\$ 6,550	4	\$ 26,200

Staff plans to facilitate Class “A” training for four employees this fiscal year. Of the two proposals, Jager Trans Inc. was significantly less and came at a cost savings of approximately \$16,000 to the District. The proposal received from Jager Trans Inc. is attached for reference.

Included in fiscal year 2022-2023 Water Fund Budget is line 29 ‘Employee Education and Training’ for \$28,100 as staff anticipated and built in the cost of this training during preparation of the budget. Through February 2023, staff has utilized approximately \$3,500 of the budgeted \$28,100 leaving \$24,600 in unappropriated monies for the remaining four months of the fiscal year. Utilizing \$10,420 of this amount will leave \$14,180 for the remaining fiscal year, which is sufficient for any remaining employee education and training expenses not yet incurred.

On March 13, 2023, this item was considered by the Personnel Committee. The Personnel Committee unanimously voted to accept the proposal from Jager Trans Inc. and directed the General Manager to agendize the proposal for consideration by the full Board at tonight’s regularly scheduled meeting.

Director Trowbridge moved and Director Trueba seconded the Board of Directors:

- 1. Accept the proposal from Jager Trans Inc. to train four (4) employees for their Class “A” designation.**
- 2. Authorize the General Manager to issue a Task Order and enter into a Professional Services Agreement with Jager Trans Inc. in the amount of \$10,420.**

Roll call:

Ayes – 5 (Muniz, Murphy, Skerbelis, Trowbridge, Trueba)

Noes – 0

Abstain – 0

Absent – 0

The motion was carried unanimously.

***Recess at 4:40 PM. Closed Session will convene at 4:45 PM with Agenda Item 18.**

ITEM 18. CLOSED SESSION – Pursuant to Government Code Section 54956.9:

Legal Counsel Status on Litigation Case No. CIVDS 1310520, City of Riverside vs. Rubidoux Community Services District

Closed Session ended 5:06 PM.

There was no reportable action.

***Recess at 5:06 PM. Regular meeting resumed at 5:11 PM.**

ITEM 13. Consider Proposal with Occupational Safety Training Systems, Inc. to Provide Safety Training to Employees. DM 2023-28.

BACKGROUND

Rubidoux Community Services District (“District”) is authorized to employ twenty-six (26) full-time equivalent (“FTE”) employees and two (2) part-time employees. Each employee working within their position has a job description which describes the duties, responsibilities, required qualifications, and reporting relationships of a particular role. Education and training are important tools for informing workers, supervisors, and managers about workplace hazards and controls so they can work more safely and be more productive.

Education and training provide managers, supervisors, and workers with:

- Knowledge and skills needed to do their work safely and avoid creating hazards which could place themselves or others at risk.
- Awareness and understanding of workplace hazards and how to identify, report and control them.
- Specialized training, when their work involves unique hazards.

Additional training may be needed depending on the roles assigned to individual managers, supervisors, and workers. For example, managers, and supervisors may need specific training to ensure they can fulfill their roles in providing leadership, direction, and resources for the health and safety of the organization and its staff. Workers assigned specific roles in the organization (utility maintenance, system operators, meter reader, etc.) may need different and unique training to ensure their full participation and understanding of those functions.

Historically, most of the District’s industry specific training (water and wastewater) has been done via 15-30 – minute webinars provided through the District’s Workers’ Compensation provider. This training, although efficient and cost advantageous, failed to provide employees with an in-depth knowledge and understanding of the subject matter which is crucial when working in a critical infrastructure industry for topics such as: ladder use, heat illness prevention, lock out/tag out, traffic control, trenching/shoring, backhoe operator safety, among others.

The District has identified its current safety program as a weakness which needs addressing. District staff believe training on these topics are best when done live and in-person. It facilitates student interaction, engagement, and content retention. The District received a proposal from Occupational Safety Training Systems, Inc. (“OSTS”) to address these needs. OSTS works with a number of public agencies including Jurupa Community Services District.

The proposal includes all the priority topics staff wishes to address the remaining of FY 2022-2023 and into the subsequent FY 2023-2024. The proposed FY 2022-2023 training schedule includes:

Topic	Amount	Cost Allocation	
		General Fund	Water Fund
Traffic Control	\$ 1,795.00	\$ -	\$ 1,795.00
Trenching, Shoring, and Excavating Awareness	\$ 700.00	\$ -	\$ 700.00
Trenching, Shoring, and Excavating Competent Person	\$ 1,400.00	\$ -	\$ 1,400.00
Backhoe Operator Safety	\$ 830.00	\$ -	\$ 830.00
CPR/First Aid/AED/Boodborne Pathogens	\$ 3,250.00	\$ 930.00	\$ 2,320.00
	<u>\$ 7,975.00</u>	<u>\$ 930.00</u>	<u>\$ 7,045.00</u>

The remaining trainings on the proposal not identified above will be budgeted for in fiscal year 2023-2024 and District staff will seek approval and authorization for those trainings in a subsequent Board meeting. Additionally, the trainings noted above will be allocated to the appropriate fund dependent on the type of District employee receiving the training. Most of the trainings on the schedule will be for the benefit of the District field staff while all District employees (administrative and field) will be trained on first aid. District staff has not received District-wide first aid training since 2019.

BUDGET CONSIDERATIONS:

The cost of these trainings was factored in when preparing the District’s fiscal year 2022-2023 budget and the budget considerations are as follows:

Budget - Fiscal Year 2022 2023	Budgetted Amount	Year-to-Date (inc. appropriations)	Available Funds	Cost Allocation	Remaining Funds
GF Budget Ln. 37 'EE Education and Training'	\$ 10,000.00	\$ 6,767.38	\$ 3,232.62	\$ 930.00	\$ 2,302.62
WF Budget Ln. 29 'EE Education and Training'	\$ 28,100.00	\$ 16,956.26	\$ 11,143.74	\$ 7,045.00	\$ 4,098.74

Should the Board consider and approve the proposal, no budget amendment is necessary nor being recommended by staff. Current unallocated budgeted monies are sufficient to cover these training courses for the remainder of fiscal year 2022-2023 while also leaving capacity in the budget for additional employee education and training expenses not yet incurred.

On March 13, 2023, this item was considered by the Personnel Committee. The Personnel Committee unanimously voted to accept the proposal from Occupational Safety Training Systems Inc. and directed the General Manager to agendize the proposal for consideration by the full Board at tonight’s regularly scheduled meeting.

Director Skerbelis moved and Director Trowbridge seconded the Board of Directors:

- 1. Accept the proposal from Occupational Safety Training Systems Inc. to train District staff on the topics noted in Table 1.**
- 2. Authorize the General Manager to issue a Task Order and enter into a Professional Services Agreement with Occupational Safety Training Systems Inc. in the amount of \$7,975.**

Roll call:

Ayes – 5 (Muniz, Murphy, Skerbelis, Trowbridge, Trueba)

Noes – 0

Abstain – 0

Absent – 0

The motion was carried unanimously.

ITEM 14. Consider Proposal from TKE for Additional Services for LAFCO Adjustments to RCSD Service Area Boundary. DM 2023-29.

BACKGROUND

The Rubidoux Community Services District (“District”) Board of Directors (“Board”) awarded a Professional Services Contract to TKE Engineering (“TKE”) in March 2020 under DM 2020-12 to assist the District in making adjustments to its service boundary. TKE is nearing completion of the work and final approval from LAFCO, Jurupa Community Services District and West Valley Water District is expected in April. During this process, it was determined several areas needed to be modified and additional work outside the original scope approved for TKE was necessary. Extra work included modifications to the sphere of influence and District boundary, as well as creating separate boundaries for water and sewer, and incorporation of additional areas with more than 3 miles of the boundary length and 8 million square feet. This extra work is detailed in-depth in the attached letter from TKE.

TKE has requested an increase in project funding to cover the cost of performing this extra work in the amount of \$25,620 to complete the Local Agency Formation Commission of Riverside County (“LAFCO”) Annexation and Boundary Adjustment Project, bringing the total cost to \$65,070. It should be noted this is still less than the second lowest proposal of \$97,164 in 2020. The extra work was necessary to obtain approval from LAFCO and is reasonable. Under DM 2020-12 \$40,000 was initially authorized by the Board. Now an additional \$25,700 is necessary to finish the work.

Staff proposes the District’s Board of Directors consider amending the District’s FY 2022-2023 Budget by allocating \$20,560 from the Water Operating Reserve and \$5,140 from the Sewer Operating Reserve to “Property Taxes – General Secured”.

Director Murphy moved and Director Trowbridge seconded the Board of Directors:

- 1. Issue a Task Order to TKE in the amount of \$25,700 to pay for the additional services.**

- 2. Amend the FY 2022-2023 Budget to allocate \$20,560 from the Water Operating Reserve and \$5,140 from the Sewer Operating Reserve to “Property Taxes – General Secured”.**

Roll call:

Ayes – 5 (Muniz, Murphy, Skerbelis, Trowbridge, Trueba)

Noes – 0

Abstain – 0

Absent – 0

The motion was carried unanimously.

ITEM 15. Consider Proposal from TKE for Engineering Design Work to Move a Water Pipeline from the Jurupa Community Services District to the Rubidoux Community Services District. DM 2023-30.

BACKGROUND

The Rubidoux Community Services District (“District”) is in process of completing a boundary cleanup between the District and neighboring Jurupa Community Services District (“JCSD”) and West Valley Water District (“WVWD”). As part of this cleanup and after meeting with JCSD staff, it was determined houses in the area identified as “Area 2” in the Local Agency Formation Commission of Riverside County (“LAFCO”) Plan of Service will need to have their water service transferred from JCSD to the District so these residents are serviced by one district for both water and sewer service. To accomplish this, some water pipeline modifications will need to be done and associated plans and specifications developed in order to bid the project.

TKE Engineering (“TKE”) is the engineering firm performing the LAFCO Plan of Service and Boundary Annexation cleanup scope of work and is most familiar with the project. Staff requested a proposal from TKE to perform this engineering work so the water pipeline can be transferred to the District when LAFCO completes the application for the boundary cleanup.

TKE proposes to do this engineering work for \$27,750. Adding a contingency of approximately 10% brings the total to \$30,000. As this work will be necessary for the District to satisfy the terms of the Plan of Service, the District will include the associated construction work in the upcoming 2023-2024 Fiscal Year Budget but the cost for the associated design work is not in the 2022-2023 Fiscal Year Budget. A budget amendment is requested to move \$30,000 from the Water Fund Operating Reserve Budget to the Water Fund Capital Improvement Project Budget to fund this work.

Director Skerbelis moved and Director Trowbridge seconded the Board of Directors authorize the General Manager:

- 1. To issue a Task Order to TKE in the amount of \$27,750 to pay for the additional services.**
- 2. Amend the FY 2022-2023 Budget to allocate \$30,000 from the Water Fund Operating Reserve Budget to the Water Fund Capital Improvement Project Budget.**

Roll call:

Ayes – 5 (Muniz, Murphy, Skerbelis, Trowbridge, Trueba)

Noes – 0

Abstain – 0

Absent – 0

The motion was carried unanimously.

ITEM 16. Consider Award of Contract for Professional Services with Krieger and Stewart for Construction for the Replacement of a Water Pipeline Crossing Market Street. DM 2023-31.

BACKGROUND

The County of Riverside Transportation and Land Management Agency (“TLMA”) is planning to go out to bid for the Market Street Bridge Replacement Project late summer to early fall, 2023. This replacement project consists of replacing the existing bridge on Market Street crossing the Santa Ana River with a new 4-lane bridge as well as a new traffic approaches on each side of the river. The District’s existing water pipeline serving the Agua Mansa area is within the bridge approach. The Engineer for TLMA sent to Rubidoux Community Services District (“District”) a request for the District to complete the relocation of the District’s water pipeline on or before June 1, 2023 but has since moved the completion date to August 1.

Based on information shown in these plans an existing District owned water pipeline crosses Market Street near Via Cerro and 24th Street and must be relocated before TLMA commences with their project. The relocation is necessary because the required depth of cover over the District owned water pipeline will not be sufficient during construction of the bridge and placement of new road base. There is no way to protect this shallow depth pipeline during placement and compaction of road base because any method of protection would obstruct and interfere with the installation of the road base.

The District contracted with Krieger and Stewart in 2021 under DM 2021-72, attached, to have plans and specifications prepared for the relocation of this pipeline and these plans are complete with the exception of a few final specifications which are being completed now. The District will go to bid with this project at the end of March and expects to award a construction contract in late April or early May. The District anticipates a construction time-frame of approximately 4-6 weeks with completion expected by mid-June. It should be noted the actual construction will only take 3 or 4 weeks but there will be time constraints due to traffic control along Market Street and additional time should be considered and allotted.

The District will need submittal review, construction staking, construction inspection during the course of the work and preparation of accurate as-built drawings. Staff has requested a proposal from Krieger and Stewart to perform these services. It is prudent to have the inspection and project oversight contract in place before the bidding so the oversite team can become familiar with the chosen contractor from the day the notice to proceed is given to the successful contractor. The proposal is for \$23,900. Staff believes a contingency of \$6,100 for unforeseen

expenses is necessary as the contractor has not been chosen at this time and there may be additional unforeseen costs. This brings the total for this effort to \$30,000.

Director Trowbridge moved and Director Skerbelis seconded the Board of Directors authorize the General Manager:

- 1. Amend the FY 2022-23 Budget by moving \$30,000 from Water Fund reserves to the Water Replacement Fund – Operating Expenses with a new project expense referred to as the Market Street Bridge Pipeline Relocation Project.**
- 2. Sign a phased Task Order to Krieger and Stewart to perform construction oversight on the Market Street Bridge Pipeline Relocation Project in the amount of \$23,900.**

Roll call:

Ayes – 5 (Muniz, Murphy, Skerbelis, Trowbridge, Trueba)

Noes – 0

Abstain – 0

Absent – 0

The motion was carried unanimously.

ITEM 17. Professional Services Agreement with Webb and Associates to Generate a Map of Easements from Meets and Bounds Descriptions for Easements at the Proposed Goldenwest Site . DM 2023-32.

BACKGROUND

The Rubidoux Community Services District (“District”) has been moving forward with the acquisition of land in the Right of Way between Limonite and Goldenwest within the City of Jurupa Valley (“City”). As part of this effort, under DM 2023-01, the District engaged Webb and Associates to do a Title Report and Phase 1 Environmental Assessment as a part of the due diligence in obtaining the property. The Title Report has been received and it contains several Meets and Bounds Legal Descriptions of various easements in the area but does not have Plat Maps associated with the Meets and Bounds Legal Descriptions so it is difficult to know where these easements occur on the map relative to the Goldenwest Booster Pump Site.

Staff asked Webb to provide a proposal to plot the legal descriptions on a map for ease of use in locating the easements. Webb has provided a proposal to perform this work in the amount of \$4,500. There are funds available for this effort in Line 76 of the Water Fund Budget as indicated in DM 2023-01. Staff proposes utilizing \$5,000 from this budget item to allow for a small contingency on this effort.

Director Muniz moved and Director Trowbridge seconded the Board of Directors authorize the General Manager:

- 1. Appropriate \$5,000 from Line 76 of the Water Fund Budget for preparation of the map showing easements in the area of the Goldenwest Booster pump.**
- 2. Sign a phased Task Order in the amount of \$4,500 with Webb and Associates to prepare map.**

Roll call:

Ayes – 5 (Muniz, Murphy, Skerbelis, Trowbridge, Trueba)

Noes – 0

Abstain – 0

Absent – 0

The motion was carried unanimously.

ITEM 19. Directors Comments

Director Murphy stated that the Solid Waste Committee met and the trash rates will be going up. Next year more businesses will have to divert their food from the landfill to something else. There will be more to come.

Director Murphy adjourned the meeting at 5:43 PM.

5. Consideration to Approve April 7, 2023, Salaries, Expenses and Transfers

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1	AIRESPRING / AIRESRING ✓	03/16/2023 ✓	N	N		04/15/2023 ✓	03/16/2023	171006192 ✓
	PHONE CHGRS							\$0.00
04/06/2023 ✓					N			\$491.45 ✓
2	AIRGAS / AIRGAS USA, LLC ✓	03/14/2023 ✓	N	N		04/13/2023 ✓	03/14/2023	9135959564 ✓
	CO2 TANKS							\$0.00
04/06/2023 ✓					N			\$111.29 ✓
3	AQUA METRIC SALES / AQUA METRIC SALES CO ✓	03/20/2023 ✓	N	N		04/19/2023 ✓	03/20/2023	INV0093831 ✓
	3/4" METERS							\$0.00
04/06/2023 ✓					N			\$2,316.63 ✓
4	AQUA METRIC SALES / AQUA METRIC SALES CO ✓	03/20/2023 ✓	N	N		04/19/2023 ✓	03/20/2023	INV0093830 ✓
	2" METERS							\$0.00
04/06/2023 ✓					N			\$2,805.81 ✓
5	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN ✓	03/09/2023 ✓	N	N		04/02/2023 ✓	03/09/2023	CC30719-0267 ✓
	WTR ANALYSES							\$0.00
04/06/2023 ✓					N			\$81.00 ✓
6	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN ✓	03/09/2023 ✓	N	N		04/09/2023 ✓	03/09/2023	CC30720-0267 ✓
	WTR ANALYSES							\$0.00
04/06/2023 ✓					N			\$39.00 ✓
7	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN ✓	03/09/2023 ✓	N	N		04/08/2023 ✓	03/09/2023	CC30721-0267 ✓
	WTR ANALYSES							\$0.00
04/06/2023 ✓					N			\$58.00 ✓
8	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN ✓	03/09/2023 ✓	N	N		04/08/2023 ✓	03/09/2023	CC30722-0267 ✓
	WTR ANALYSES							\$0.00
04/06/2023 ✓					N			\$45.00 ✓
9	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN ✓	03/10/2023 ✓	N	N		04/09/2023 ✓	03/10/2023	CC30758-0267 ✓
	WTR ANALYSES							\$0.00
04/06/2023 ✓					N			\$180.00 ✓
10	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN ✓	03/13/2023 ✓	N	N		04/12/2023 ✓	03/13/2023	CC30904-0267 ✓
	WTR ANALYSES							\$0.00
04/06/2023 ✓					N			\$72.00 ✓
11	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN ✓	03/14/2023 ✓	N	N		04/13/2023 ✓	03/14/2023	CC31122-0267 ✓
	WTR ANALYSES							\$0.00
04/06/2023 ✓					N			\$160.00 ✓
12	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN ✓	03/15/2023 ✓	N	N		04/13/2023 ✓	03/15/2023	CC31241-0267 ✓
	WTR ANALYSES							\$0.00
04/06/2023 ✓					N			\$80.00 ✓
13	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN ✓	03/15/2023 ✓	N	N		04/14/2023 ✓	03/15/2023	CC31242-0267 ✓
	WTR ANALYSES							\$0.00
04/06/2023 ✓					N			\$80.00 ✓
14	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN ✓	03/17/2023 ✓	N	N		04/16/2023 ✓	03/17/2023	CC31452-0267 ✓
	WTR ANALYSES							\$0.00
04/06/2023 ✓					N			\$36.00 ✓
15	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN ✓	03/17/2023 ✓	N	N		04/16/2023 ✓	03/17/2023	CC31454-0267 ✓
	WTR ANALYSES							\$0.00
04/06/2023 ✓					N			\$90.00 ✓
16	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN ✓	03/17/2023 ✓	N	N		04/16/2023 ✓	03/17/2023	CC31455-0267 ✓
	WTR ANALYSES							\$0.00
04/06/2023 ✓					N			\$180.00 ✓

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GL Date				Credit Card	CC Reference #			Total Invoice
17	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN	03/20/2023	N	N		04/16/2023	03/20/2023	CC31571-0267
WTR ANALYSES								\$0.00
04/06/2023				N				\$72.00
18	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN	03/20/2023	N	N		04/19/2023	03/20/2023	CC31572-0267
WTR ANALYSES								\$0.00
04/06/2023				N				\$54.00
19	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN	03/20/2023	N	N		04/19/2023	03/20/2023	CC31573-0267
WTR ANALYSES								\$0.00
04/06/2023				N				\$72.00
20	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN	03/20/2023	N	N		04/19/2023	03/20/2023	CC31574-0267
WTR ANALYSES								\$0.00
04/06/2023				N				\$54.00
21	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN	03/21/2023	N	N		04/20/2023	03/21/2023	CC31787-0267
WTR ANALYSES								\$0.00
04/06/2023				N				\$2,000.00
22	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN	03/21/2023	N	N		04/20/2023	03/21/2023	CC31788-0267
WTR ANALYSES								\$0.00
04/06/2023				N				\$81.00
23	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN	03/21/2023	N	N		04/20/2023	03/21/2023	CC31789-0267
WTR ANALYSES								\$0.00
04/06/2023				N				\$116.00
24	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN	03/21/2023	N	N		04/20/2023	03/21/2023	CC31790-0267
WTR ANALYSES								\$0.00
04/06/2023				N				\$39.00
25	BABCOCK E S SONS INC / BABCOCK, E S & SONS, IN	03/21/2023	N	N		04/20/2023	03/21/2023	CC31791-0267
WTR ANALYSES								\$0.00
04/06/2023				N				\$135.00
26	BENS / BEN'S LOCK & SAFE, INC.	03/17/2023	N	N		04/16/2023	03/17/2023	4950
FIRE STN RPR								\$0.00
04/06/2023				N				\$252.75
27	BRINKS / BRINKS INC.	03/01/2023	N	N		03/31/2023	03/01/2023	12219573
MARCH 23" ARMED SVC								\$0.00
04/06/2023				N				\$1,272.09
28	BURRTEC / BURRTEC WASTE INDUSTRIES, INC.	02/28/2023	N	N		03/30/2023	02/28/2023	N0820117276
FEB.WST HAUL								\$0.00
04/06/2023				N				\$994.81
29	CARQUEST AUTO PARTS / CARQUEST AUTO PARTS	03/13/2023	N	N		04/12/2023	03/13/2023	7456-514658
SUPPLIES								\$0.00
04/06/2023				N				\$34.11
30	CARQUEST AUTO PARTS / CARQUEST AUTO PARTS	03/16/2023	N	N		04/15/2023	03/16/2023	7456-515002
SUPPLIES								\$0.00
04/06/2023				N				\$15.71
31	CLA-VAL / CLA-VAL	03/10/2023	N	N		04/09/2023	03/10/2023	864587
R&M PUMP WIRING								\$0.00
04/06/2023				N				\$3,104.82
32	DURNEY DON / DURNEY, DON	03/20/2023	N	N		04/19/2023	03/20/2023	20230320
GRDNG WEED ABATE								\$0.00
04/06/2023				N				\$1,722.50

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33	EAGLE / EAGLE ROAD SVC & TIRE ✓							1-GS198735 ✓
R&M TRUCK		03/15/2023 ✓	N	N		04/14/2023 ✓	03/15/2023	\$0.00
04/06/2023 ✓					N			\$967.43 ✓
34	ELROD / ELROD FENCE CO. INC ✓							18401 ✓
FENCE RPRS		03/13/2023 ✓	N	N		04/12/2023 ✓	03/13/2023	\$0.00
04/06/2023 ✓					N			\$889.00 ✓
35	FCL BUILDERS / FCL BUILDERS ✓							1513013-00 ✓
HYDRNT MTR RFND		03/09/2023 ✓	N	N		04/08/2023 ✓	03/09/2023	\$0.00
04/06/2023 ✓					N			\$2,761.53 ✓
36	GRAINGER / GRAINGER ✓							9641432241 ✓
SUPPLIES		03/15/2023 ✓	N	N		04/14/2023 ✓	03/15/2023	\$0.00
04/06/2023 ✓					N			\$149.35 ✓
37	GRAINGER / GRAINGER ✓							9641432258 ✓
SUPPLIES		03/15/2023 ✓	N	N		04/14/2023 ✓	03/15/2023	\$0.00
04/06/2023 ✓					N			\$8.28 ✓
38	HOUSTON HARRIS / HOUSTON & HARRIS PCS, INC. ✓							23-25140 ✓
HYDROWASH		03/14/2023 ✓	N	N		04/13/2023 ✓	03/14/2023	\$0.00
04/06/2023 ✓					N			\$7,581.50 ✓
39	INFOSEND / INFOSEND, INC ✓							231429.A ✓
FEB 23" POSTAGE		02/28/2023 ✓	N	N		03/30/2023 ✓	02/28/2023	\$0.00
04/06/2023 ✓					N			\$2,478.07
40	INFOSEND / INFOSEND, INC ✓							231429.B ✓
FEB 23" BILL PRINT		02/28/2023 ✓	N	N		03/30/2023 ✓	02/28/2023	\$0.00
04/06/2023 ✓					N			\$789.02
41	INFOSEND / INFOSEND, INC ✓							231996 ✓
#10 WNDW ENVLPS		03/09/2023 ✓	N	N		04/08/2023 ✓	03/09/2023	\$0.00
04/06/2023 ✓					N			\$634.95 ✓
42	KH METALS / KH METALS & SUPPLY ✓							0630424-IN ✓
BOOTS		03/08/2023 ✓	N	N		04/07/2023 ✓	03/08/2023	\$0.00
04/06/2023 ✓					N			\$32.52 ✓
43	LAWNMOWER CENTER / LAWNMOWER CENTER ✓							21060 ✓
R&M EQUIP		02/23/2023 ✓	N	N		03/25/2023 ✓	02/23/2023	\$0.00
04/06/2023 ✓					N			\$112.37 ✓
44	LOCKWOOD, KENNETH / LOCKWOOD, KENNETH ✓							20221220 ✓
DOT PHYCL-LOCKWOOD		12/20/2022 ✓	N	N		01/19/2023 ✓	12/20/2022	\$0.00
04/06/2023 ✓					N			\$115.00 ✓
45	MASTER'S / MASTER'S SERVICES (GLACIER) ✓							000000692298 ✓
BTL WTR		03/15/2023 ✓	N	N		04/14/2023 ✓	03/15/2023	\$0.00
04/06/2023 ✓					N			\$71.50 ✓
46	MCMMASTER-CARR / MCMMASTER-CARR SUPPLY CO ✓							94134457 ✓
SUPPLIES		03/09/2023 ✓	N	N		04/08/2023 ✓	03/09/2023	\$0.00
04/06/2023 ✓					N			\$36.00 ✓
47	MCMMASTER-CARR / MCMMASTER-CARR SUPPLY CO ✓							94452537 ✓
SUPPLIES		03/15/2023 ✓	N	N		04/14/2023 ✓	03/15/2023	\$0.00
04/06/2023 ✓					N			\$187.73 ✓
48	MERIT OIL / MERIT OIL COMPANY ✓							765166 ✓
DIESEL		03/08/2023 ✓	N	N		03/23/2023 ✓	03/08/2023	\$0.00
04/06/2023 ✓					N			\$260.25 ✓

\$3,267.09

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49	NATIONAL PAVING CO / NATIONAL PAVING CO, INC. ✓							1-1623033 ✓
PAVING		03/08/2023 ✓	N	N			04/07/2023 ✓ 03/08/2023	\$0.00
04/06/2023 ✓					N			\$27,989.00 ✓
50	QUADIENT / QUADIENT LEASING USA, INC. ✓							N9848727 ✓
POSTAGE MTR		03/09/2023 ✓	N	N			04/10/2023 ✓ 03/09/2023	\$0.00
04/06/2023 ✓					N			\$219.17 ✓
51	RELIABLE / RELIABLE WORKPLACE SOLUTIONS ✓							RWS23020082 ✓
COPIER USG		02/15/2023 ✓	N	N			03/17/2023 ✓ 02/15/2023	\$0.00
04/06/2023 ✓					N			\$60.37 ✓
52	RELIABLE / RELIABLE WORKPLACE SOLUTIONS ✓							RWS23020083 ✓
OFC.KYOERA COP USG		02/15/2023 ✓	N	N			03/17/2023 ✓ 02/15/2023	\$0.00
04/06/2023 ✓					N			\$294.43 ✓
53	RELIABLE / RELIABLE WORKPLACE SOLUTIONS ✓							RWS23020084 ✓
PRINTER USG		02/15/2023 ✓	N	N			03/17/2023 ✓ 02/15/2023	\$0.00
04/06/2023 ✓					N			\$24.34 ✓
54	RELIABLE / RELIABLE WORKPLACE SOLUTIONS ✓							RWS23020085 ✓
COPIER USG		02/15/2023 ✓	N	N			03/17/2023 ✓ 02/15/2023	\$0.00
04/06/2023 ✓					N			\$2.81 ✓
55	ROYAL INDUSTRIAL / ROYAL INDUSTRIAL SOLUTIONS ✓							6441-1083667 ✓
SUPPLIES		03/08/2023 ✓	N	N			04/07/2023 ✓ 03/08/2023	\$0.00
04/06/2023 ✓					N			\$114.71 ✓
56	SECURITY PAVING / SECURITY PAVING CO INC ✓							81438 ✓
BASE MTL/CONC		02/28/2023 ✓	N	N			03/30/2023 ✓ 02/28/2023	\$0.00
04/06/2023 ✓					N			\$126.58 ✓
57	SHRED-IT / SHRED-IT USA ✓							8003433405 ✓
SHREDDING		02/28/2023 ✓	N	N			03/30/2023 ✓ 02/28/2023	\$0.00
04/06/2023 ✓					N			\$67.78 ✓
58	SOCAL TRUCK / SOCAL TRUCKWORKS ✓							12684 ✓
R&M TRUCK		03/10/2023 ✓	N	N			04/09/2023 ✓ 03/10/2023	\$0.00
04/06/2023 ✓					N			\$78.93 ✓
59	SOCAL TRUCK / SOCAL TRUCKWORKS ✓							12709 ✓
R&M TRUCK		03/21/2023 ✓	N	N			04/20/2023 ✓ 03/21/2023	\$0.00
04/06/2023 ✓					N			\$86.00 ✓
60	SOUTH COAST AQMD / SOUTH COAST AQMD ✓							4135779 ✓
PERMITS/ASS DUES		03/01/2023 ✓	N	N			03/31/2023 ✓ 03/01/2023	\$0.00
04/06/2023 ✓					N			\$468.76 ✓
61	SOUTH COAST AQMD / SOUTH COAST AQMD ✓							4135780 ✓
REG FEE STATE		03/01/2023 ✓	N	N			03/31/2023 ✓ 03/01/2023	\$0.00
04/06/2023 ✓					N			\$468.76 ✓
62	SOUTH COAST AQMD / SOUTH COAST AQMD ✓							4138502 ✓
PERMITS/ASSC. DUES		03/01/2023 ✓	N	N			03/31/2023 ✓ 03/01/2023	\$0.00
04/06/2023 ✓					N			\$151.85 ✓
63	SOUTH COAST AQMD / SOUTH COAST AQMD ✓							4138505 ✓
REG FEE STATE		03/01/2023 ✓	N	N			03/31/2023 ✓ 03/01/2023	\$0.00
04/06/2023 ✓					N			\$151.85 ✓
64	STEPSAVER / STEP-SAVER CA.LLC ✓							CT475319 ✓
SALT		03/13/2023 ✓	N	N			04/12/2023 ✓ 03/13/2023	\$0.00
04/06/2023 ✓					N			\$4,836.25 ✓

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GL Date		Inv Date	Immediate GL Account	Credit Card	CC Reference #	Due Date	Payment Date	Total Invoice
81	MUNKSGAARD DBA CENTER ELECT / MUNKSGAARD ✓							10516 ✓
	MAIN CONTROL PANEL	03/06/2023 ✓	N	N		04/05/2023 ✓	03/06/2023	\$0.00
04/06/2023 ✓								\$354.18 ✓
82	MUNKSGAARD DBA CENTER ELECT / MUNKSGAARD ✓							10517 ✓
	FLOW METER PROG.	03/06/2023 ✓	N	N		04/05/2023 ✓	03/06/2023	\$0.00
04/06/2023 ✓								\$283.34 ✓
83	MUNKSGAARD DBA CENTER ELECT / MUNKSGAARD ✓							10518 ✓
	SCADA RPR.	03/06/2023 ✓	N	N		04/06/2023 ✓	03/06/2023	\$0.00
04/06/2023 ✓								\$287.50 ✓
84	OCCUPATIONAL HLTH CNTRS OF CA / OCCUPATIONA ✓							78569867 ✓
	PHYSCL/HAMBLIN	03/10/2023 ✓	N	N		04/09/2023 ✓	03/10/2023	\$0.00
04/06/2023 ✓								\$156.00 ✓
85	RELIABLE / RELIABLE WORKPLACE SOLUTIONS ✓							RWS23030064 ✓
	COPIER USG	03/15/2023 ✓	N	N		04/14/2023 ✓	03/15/2023	\$0.00
04/06/2023 ✓								\$132.60 ✓
86	ZELDAS / GRISELDA RODRIGUEZ ✓							INVOICE11265 ✓
	POLO OFC STAFF	03/09/2023 ✓	N	N		04/08/2023 ✓	03/09/2023	\$0.00
04/06/2023 ✓								\$382.19 ✓
87	ZELDAS / GRISELDA RODRIGUEZ ✓							INVOICE11269 ✓
	UNIFORM/ROBLEDO	03/15/2023 ✓	N	N		04/14/2023 ✓	03/15/2023	\$0.00
04/06/2023 ✓								\$610.30 ✓
88	SCE / SCE ✓							23M700244764992 ✓
	STRT LIGHTS	03/01/2023 ✓	N	N		03/21/2023 ✓	03/01/2023	\$0.00
04/06/2023 ✓								\$140.72 ✓
89	SCE / SCE ✓							23M700044576190
	SWR PM ENRGY	03/17/2023 ✓	N	N		04/06/2023 ✓	03/17/2023	\$0.00
04/06/2023 ✓								\$849.81 ✓
90	SCE / SCE ✓							23M700158802582
	WTR PMP ENRGY	03/17/2023 ✓	N	N		04/06/2023 ✓	03/17/2023	\$0.00
04/06/2023 ✓								\$4,033.87 ✓
91	SCE / SCE ✓							23M700767086653
	5473 UTILTY	03/17/2023 ✓	N	N		04/06/2023 ✓	03/17/2023	\$0.00
04/06/2023 ✓								\$60.56 ✓
92	SCE / SCE ✓							23M700456862263.A ✓
	FIELD OFC UTLTY	03/22/2023 ✓	N	N		04/11/2023 ✓	03/22/2023	\$0.00
04/06/2023 ✓								\$86.19 ✓
93	SCE / SCE ✓							23M700456862263.B ✓
	WTR PMP ENRGY	03/22/2023 ✓	N	N		04/11/2023 ✓	03/22/2023	\$0.00
04/06/2023 ✓								\$52,472.39 ✓
94	SCE / SCE ✓							23M700456862263.C ✓
	NO 03 PH PMP ENRY	03/22/2023 ✓	N	N		04/11/2023 ✓	03/22/2023	\$0.00
04/06/2023 ✓								\$9,333.00 ✓
95	TRUSSELL TECHNOLOGIES / TRUSSELL TECHNOLO ✓							000008961 ✓
	SOP'S	03/10/2023 ✓	N	N		04/09/2023 ✓	03/10/2023	\$0.00
04/06/2023 ✓								\$17,552.68 ✓
96	VARNER / VARNER & BRANDT LLP ✓							20230228 ✓
	FEB.LEGL CNSLT	02/28/2023 ✓	N	N		03/30/2023 ✓	02/28/2023	\$0.00
04/06/2023 ✓								\$950.40 ✓

361, 391.53

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Rubidoux Community Services District (RCSACT)
Batch: AAAATT

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Tr. #	Vendor	Inv Date	Paid Out	Immediate	Credit Card Vendor	Due Date	Discount Date	Invoice #
PO Number		Immediate GL Account	Immediate GL Account	Check #	Check #	Discount Date	Payment Date	Discount
GL Date				Credit Card	CC Reference #			Total Invoice
97	WEBB ALBERT A ASSOC / WEBB, ALBERT A. ASSOCI	02/25/2023	✓ N	N	✓	03/27/2023	02/25/2023	230720 ✓ \$0.00
04/06/2023				N				\$135.00 ✓
98	WEBB ALBERT A ASSOC / WEBB, ALBERT A. ASSOCI	02/25/2023	✓ N	N	✓	03/27/2023	02/25/2023	230722 ✓ \$0.00
04/06/2023				N				\$10,316.55 ✓
99	WEBB ALBERT A ASSOC / WEBB, ALBERT A. ASSOCI	02/25/2023	✓ N	N	✓	03/27/2023	02/25/2023	230761 ✓ \$0.00
04/06/2023				N				\$1,598.50 ✓
100	WEBB ALBERT A ASSOC / WEBB, ALBERT A. ASSOCI	02/25/2023	✓ N	N	✓	03/27/2023	02/25/2023	230654 ✓ \$0.00
04/06/2023				N				\$865.00 ✓
101	WEBB ALBERT A ASSOC / WEBB, ALBERT A. ASSOCI	02/25/2023	✓ N	N	✓	03/27/2023	02/25/2023	230672 ✓ \$0.00
04/06/2023				N				\$46.88 ✓
102	WEBB ALBERT A ASSOC / WEBB, ALBERT A. ASSOCI	02/25/2023	✓ N	N	✓	03/27/2023	02/25/2023	230673 ✓ \$0.00
04/06/2023				N				\$978.62 ✓
103	CHASE CARD SERVICES / CHASE CARD SERVICES	03/17/2023	✓ N	N	✓	03/17/2023	03/17/2023	23M77049795.A ✓ \$0.00
04/06/2023				N				\$208.10 ✓
104	CHASE CARD SERVICES / CHASE CARD SERVICES	03/17/2023	✓ N	N	✓	03/17/2023	03/17/2023	23M77049795.B ✓ \$0.00
04/06/2023				N				\$3,743.36 ✓
105	CHASE CARD SERVICES / CHASE CARD SERVICES	03/17/2023	✓ N	N	✓	04/11/2023	03/17/2023	23M77049795.C ✓ \$0.00
04/06/2023				N				\$368.21 ✓
106	CHASE CARD SERVICES / CHASE CARD SERVICES	03/17/2023	✓ N	N	✓	04/11/2023	03/17/2023	23M77049795.D ✓ \$0.00
04/06/2023				N				\$73.08 ✓
107	CHASE CARD SERVICES / CHASE CARD SERVICES	03/17/2023	✓ N	N	✓	04/11/2023	03/17/2023	23M77049795.E ✓ \$0.00
04/06/2023				N				\$869.20 ✓
108	CHASE CARD SERVICES / CHASE CARD SERVICES	03/17/2023	✓ N	N	✓	04/11/2023	03/17/2023	23M77049795.F ✓ \$0.00
04/06/2023				N				\$279.36 ✓
109	CHASE CARD SERVICES / CHASE CARD SERVICES	03/17/2023	✓ N	N	✓	04/11/2023	03/17/2023	23M77049795.G ✓ \$0.00
04/06/2023				N				\$655.96 ✓
110	CHASE CARD SERVICES / CHASE CARD SERVICES	03/17/2023	✓ N	N	✓	04/11/2023	03/17/2023	23M77049795.H ✓ \$0.00
04/06/2023				N				\$499.00 ✓
111	CHASE CARD SERVICES / CHASE CARD SERVICES	03/17/2023	✓ N	N	✓	04/11/2023	03/17/2023	23M77049795.I ✓ \$0.00
04/06/2023				N				\$534.44 ✓
112	TRI-CO DISPOSAL INC / TRI-CO DISPOSAL, INC	03/28/2023	✓ N	N	✓	04/27/2023	03/28/2023	030923/032723.A ✓ \$0.00
04/06/2023				N				\$70,111.14 ✓

47,238.71

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Tr. #	Vendor	Inv Date	Paid Out	Immediate	Credit Card Vendor	Due Date	Discount Date	Invoice #	
PO Number		Immediate GL Account	Immediate GL Account	Check #	Check #	Payment Date	Discount	Discount	
GL Date				Credit Card	CC Reference #		Total Invoice	Total Invoice	
113	TRI-CO DISPOSAL INC / TRI-CO DISPOSAL, INC ✓	03/28/2023 ✓	N	N		04/27/2023 ✓	03/28/2023	030923/032723.B	
RES TRSH								\$0.00	
04/06/2023 ✓				N				\$183,348.01	
114	TRI-CO DISPOSAL INC / TRI-CO DISPOSAL, INC ✓	03/28/2023 ✓	N	N		04/27/2023 ✓	03/28/2023	030923/032723.C ✓	
RCSD SHR COMM								\$0.00	
04/06/2023 ✓				N				(\$9,114.45) ✓	
115	TRI-CO DISPOSAL INC / TRI-CO DISPOSAL, INC ✓	03/28/2023 ✓	N	N		04/27/2023 ✓	03/28/2023	030923/032723.D	
RCSD SHR RES								\$0.00	
04/06/2023 ✓				N				(\$5,378.33) ✓	
116	TRI-CO DISPOSAL INC / TRI-CO DISPOSAL, INC ✓	03/28/2023 ✓	N	N		04/27/2023 ✓	03/28/2023	030923/032723.E	
BILLING FEE								\$0.00	
04/06/2023 ✓				N				(\$3,000.00) ✓	
117	OAK HILLS CONTRACTORS, INC / OAK HILLS CONTR. ✓	03/08/2023 ✓	N	N		04/07/2023	03/08/2023	1695 ✓	
PERIMETER FENCE FIRE								\$0.00	
04/06/2023 ✓				N				\$16,170.00 ✓	
Grand Totals									
								Total Direct Expense:	\$489,723.76
								Total Direct Expense Adj:	(\$17,492.78) ①
								Total Non-Electronic Transactions:	\$472,230.98 ②

\$235,966.37

Total Direct Expense: \$489,723.76
Total Direct Expense Adj: (\$17,492.78) ①
Total Non-Electronic Transactions: \$472,230.98 ②

Report Summary

	Report Selection Criteria	
Report Type:	Condensed	
Transaction Number:	Start	End

① \$17,492.78
17,492.78 Tri-16
0.00

② 4472,230.98
472,435.08 x for sheet
255.00 PR L.000
 3/31/23

RUBIDOUX COMMUNITY SERVICES DISTRICT
APRIL 6, 2023 (BOARD MEETING)
FUND TRANSFER AUTHORIZATION

NET PAYROLL 4/14/23	68,000.00
WIRE TRANSFER: FEDERAL PAYROLL TAXES 4/17/23	27,500.00
WIRE TRANSFER: STATE PAYROLL TAXES 4/17/23	5,500.00
WIRE TRANSFER: TO CREDIT UNION	3,000.00
WIRE TRANSFER: PERS RETIREMENT	18,190.00
WIRE TRANSFER: PERS HEALTH PREMIUMS	38,857.00
WIRE TRANSFER: PERS RETIRED HEALTH PREMIUMS AND FEES	1,723.00
WIRE TRANSFER: PERS REPLACEMENT BENEFIT	-
WIRE TRANSFER: PERS GASB 68 ADMIN FEE	-
WIRE TRANSFER: PERS ADJ	-
WIRE TRANSFER: SECTION 125	244.00
WIRE TRANSFER: SECTION 457 AND 401(A)	1,802.00

CHECKING ACCOUNT TRANSFERS FOR ACCOUNTS PAYABLE:

4/7/2023 WATER FUND TO GENERAL FUND-Payables	162,267.74
WATER FUND TO GENERAL FUND-Trash	253,459.15
WATER FUND TO SEWER FUND	167,085.71
SEWER FUND TO GENERAL FUND-Payables	36,301.94

INTERFUND TRANSFERS:

4/7/2023 SEWER FUND CHECKING TO LAIF SEWER OP	131,000.00
SEWER FUND CHECKING TO LAIF SEWER ML	-
SEWER FUND CHECKING TO GENERAL FUND CHECKING	-
SEWER FUND CHECKING TO WATER FUND CHECKING	-
LAIF SEWER OP TO SEWER FUND CHECKING	-
LAIF WASTEWATER REPLACEMENT TO LAIF SEWER OP	-
LAIF SEWER ML TO LAIF SEWER OP	10,316.55
GENERAL FUND CHECKING TO LAIF PROP TAX	-
GENERAL FUND CHECKING TO LAIF FIRE MITIGATION	-
GENERAL FUND PROP TAX TO GENERAL FUND CHECKING	38,000.00
GENERAL FUND CHECKING TO SEWER FUND CHECKING	-
LAIF GENERAL TO GENERAL FUND CHECKING	-
LAIF PROPERTY TAX TO GENERAL FUND CHECKING	153,000.00
LAIF FIRE MITIGATION TO LAIF PROPERTY TAX	16,170.00
LAIF PROJECT ADMIN BLDG TO LAIF PROPERTY TAX	-
WATER FUND CHECKING TO LAIF-COP PAYBACK	32,700.00
WATER FUND CHECKING TO LAIF-W.R.	4,300.00
WATER FUND CHECKING TO GENERAL FUND CHECKING	-
WATER FUND CHECKING TO LAIF WATER RESERVE	-
WATER FUND CHECKING TO LAIF WATER OP	167,000.00
WATER FUND CHECKING TO LAIF WATER ML	-
WATER FUND CHECKING TO WATER FUND BOFA PAYMODE	-

NOTES PAYABLE

<u>DESCRIPTION</u>	<u>BALANCE</u>		<u>PAYMENT</u>	<u>DUE DATE</u>
U.S. Bank Trust (1998 COP's Refunding)	1,345,000	Prin.	625,000	Jun-23
U.S. Bank Trust (1998 COP's Refunding)	103,785	Intr.	50,235	Jun-23
MN Plant-State Revolving Loan	3,470,293	Prin.	137,493	Jul-23
MN Plant-State Revolving Loan	535,862	Intr.	44,605	Jul-23
2022 Obligations	3,585,000	Prin.	323,842	Jul-23
2022 Obligations	571,896	Intr.	54,671	Jul-23

**6. Public Comment – This is the time for Members of The Public
to Address the Board on any Non-Agenda matter**

7. Correspondence and Related Information:



NEWS AND FEATURES ASTRONOMY BUSINESS HEALTH RECREATION SPORTS TRAVEL

NEWS / WEATHER NEWS

Dramatic satellite photos reveal sharp turnaround in water levels in California reservoirs

By Bill Deger, AccuWeather senior meteorologist

Published days ago

SEE FULL STORY 



A hyperactive wet season, punctuated by several atmospheric river events, has led to a dramatic rise in reservoir levels in California over the last few months. But according to AccuWeather forecasters, the water isn't done rising yet.

Satellite Map of Earth 2023

The Map Function is Upgraded to Clearer and More Detailed. Simple You.

Simple Map For You

Open

Satellite images from the space technology company Maxar revealed the dramatic shifts in water levels since late last year, which was easily visible from space.

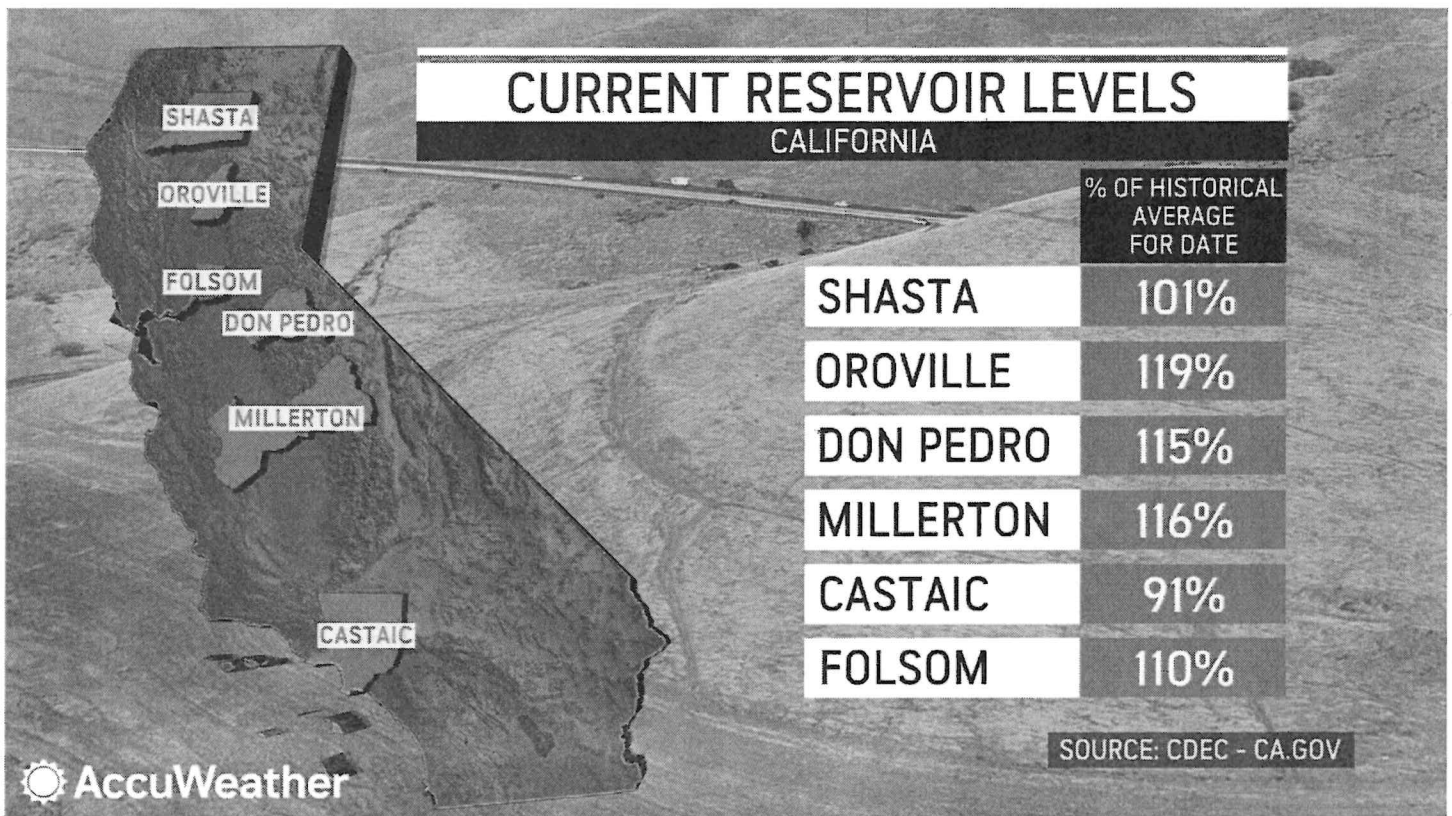
As of Wednesday, the levels at California's two largest reservoirs, Lake Shasta and Lake Oroville, located in the northern part of the state, were at 78 and 82 percent of capacity, respectively. Those levels are both more than 100 percent of the historical average water level for the date. As recently as early January, the levels at both reservoirs were only around 30 percent of capacity.

The difference in water levels at Lake Oroville in northern California between July 2022 and March 2023. (satellite images ©2023 Maxar Technologies).

The dramatic water rise at Lake Oroville since last summer happened in spite of the spillway being open there earlier this month for the first time since 2019. The California Department of Water Resources undertook the controlled release to minimize flood risk ahead of the most recent storm that unleashed a drenching rain across California.

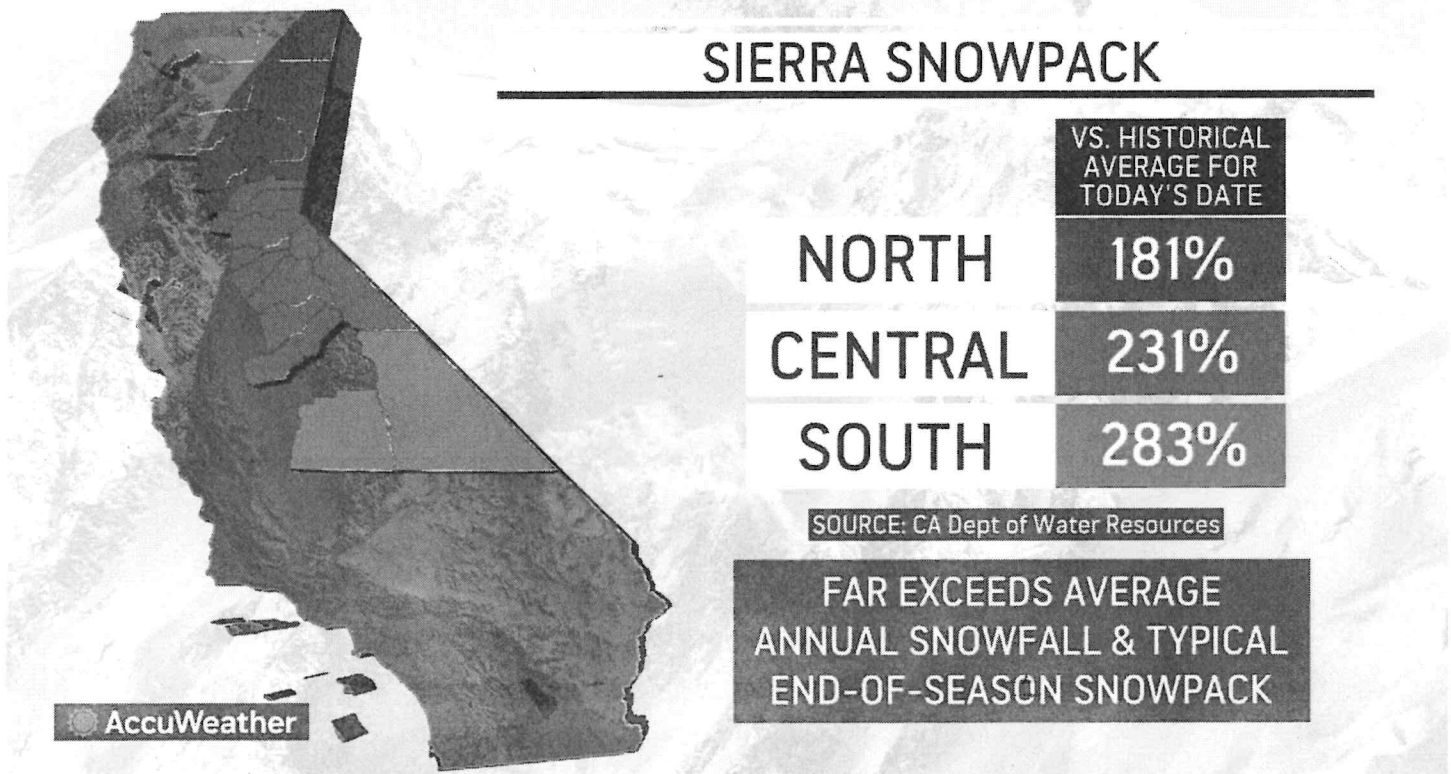
The before-and-after satellite photos not only revealed the water rises in reservoirs, but the impact of flooding from the recent barrage of storms. Farms and towns near the city of Watsonville and along the Pajaro River near California's central coast are enduring major flooding. That flooding was also ongoing near the towns of Tulare and Corcoran, as shown in the dramatic imagery.

On the ground, data from the Department of Water Resources confirms that 12 out of the 17 major water supply reservoirs in the state were at or above their historical averages for late March.



Experts warn, however, that high reservoir levels are not a silver bullet for pulling California for good out of its years-long water crisis, as there are other factors to consider. Current water levels are also similar to those just three years ago before severe drought conditions returned to much of the state.

At the same time, the snowpack in the mountains, most notably the Sierra Nevada range, is at or close to all-time records. The water “locked up” as snow in the mountains will feed the downstream reservoirs deep into the summer as it melts, as large, moisture-packed storms become less likely to impact the state during the warmer months.



Precipitation estimates from the National Weather Service's Advanced Hydrologic Prediction Service reveal that areas near California's Pacific coast, and in nearby valleys and basins, as well as in the state's foothills and mountains, have received anywhere from 30 to 100 inches of liquid equivalent precipitation over the last 180 days, since late September. For many areas, this is 200 to 400 percent of normal for that time frame.

GET YOUR ACCUWEATHER FORECAST

Due to the sheer amount of water that has poured into the state's reservoir system, officials in some cases have had to switch from a drought control posture to a flood management one.

"The purpose of reservoirs is to manage water, so it can be put to a variety of uses, such as for fish flows or deliveries to cities or farms," explained Jeanine Jones, interstate resources manager for the California Department of Water Resources, in an interview with AccuWeather Prime earlier this week.

"Some reservoirs are now making releases to maintain flood-control space, because many of California's reservoirs serve a dual purpose of flood control during the winter time," Jones explained.

GET THE FREE ACCUWEATHER APP

- Have the app? Unlock AccuWeather Alerts™ with Premium+

As the Golden State heads into a climatologically drier time of year from the late spring through the summer months, the frequency of storms that help fill the reservoirs will diminish. Sure enough, AccuWeather's team of long-range forecasters is expecting the storm track that has led to the recent atmospheric river events to lift north of the state in April. Despite that, there will still be opportunities for fresh precipitation.

"There will still be bouts of rain and mountain snow on occasion deep into the spring," AccuWeather Meteorologist Joe Bauer said. With rounds of precipitation still ahead, the water level in the reservoirs will likely rise more before the inevitable fall during drier months.

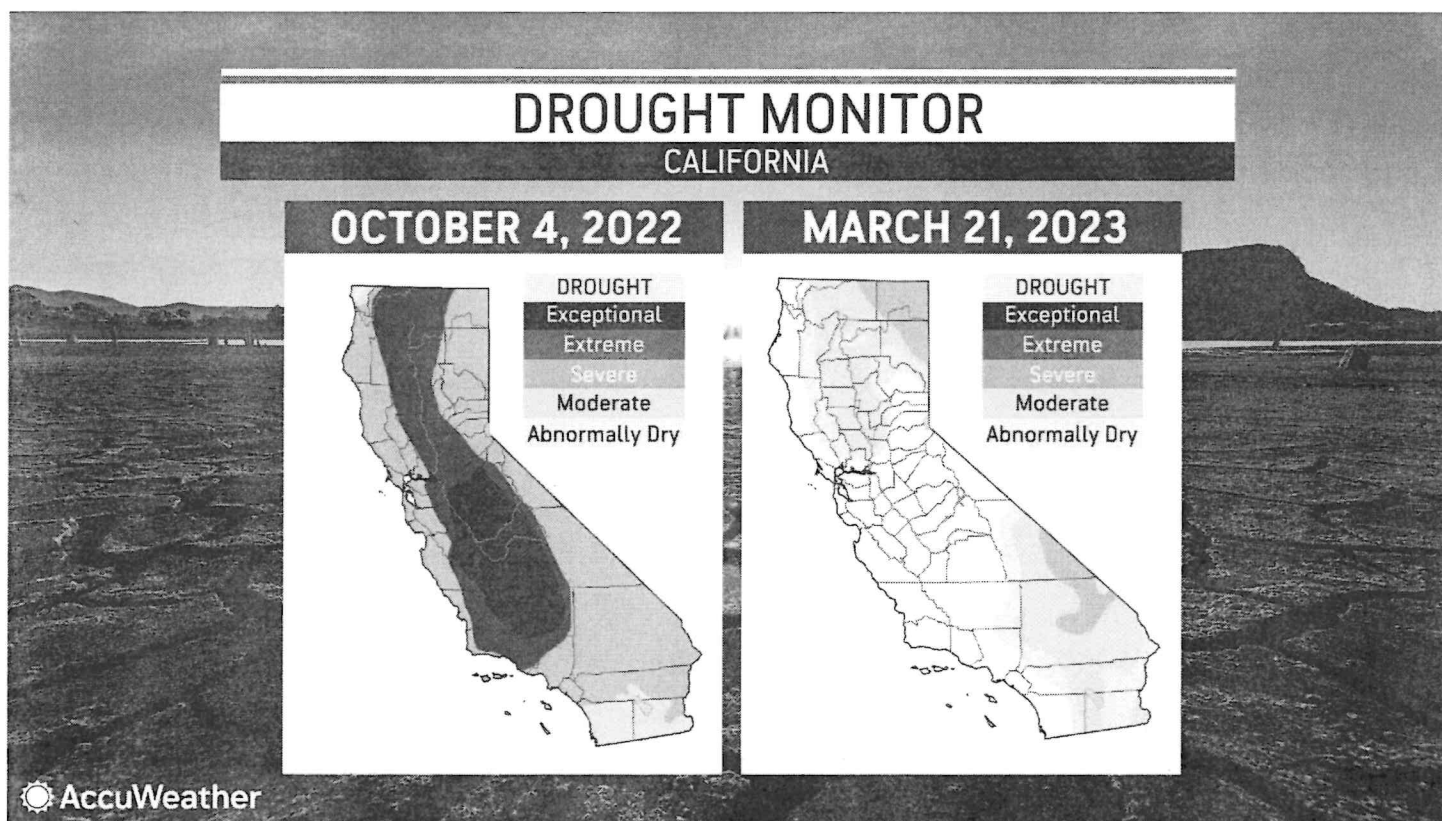
Recent memories of long-term droughts always have Californians on edge. This is largely because 60 percent of residential and agricultural water use comes from groundwater supplies, which have been diminished in recent years.

"People are very focused on the reservoir levels right now, but it's important to recognize that groundwater is also a very important source of water supply for California," added Jones. "Even though [the state] has a lot of surface water reservoirs that are full and making releases, it will take many years to replenish the groundwater levels that have been depleted over our last, numerous dry years."

Update on the California drought

New data released from the U.S. Drought Monitor on Thursday revealed even more improvements to the drought across California. The dry conditions that were once prevalent across all of Southern California have been completely erased, although pockets of moderate to severe drought still exist in the interior desert.

Drought conditions also remain in the Sacramento Valley and most of Northern California, although significant improvements have been made since early October.



Further drought improvements are a near-certainty as the latest drought assessment was conducted before the end of the most recent bomb cyclone in California.

Additionally, the U.S. Drought Monitor does not consider the overabundance of snow in the Sierra Nevada when issuing their drought assessments. As the snow gradually melts throughout the spring and summer, the water flowing from the mountains will continue to chip away at the drought, leading to further improvements in the water table across the state.

SEE ALSO:

Wall Street is thirsty for its next big investment opportunity: The West's vanishing water

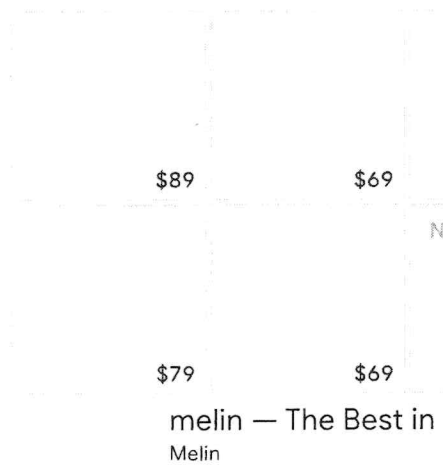
Rare EF1 tornado touches down east of Los Angeles

What is El Nino and how does it affect the weather?

Storm train to keep rolling through California next week

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SEE FULL STORY 



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8. Manager's Report (Second Meeting each Month):

- a) Operations Report
- b) Emergency and Incident Report
- c) Follow up to questions at prior Board Meeting and other updates

9. Consider Approval of the Notice of Exemption and Authorization for Staff to File It – Market Street Pipeline Relocation Project and Authorization for Staff to File it with the Appropriate Agencies:
DM 2023-33

Rubidoux Community Services District

Board of Directors

Bernard Murphy, President
John Skerbelis, Vice-President
Hank Trueba, Jr.
Armando Muniz
F. Forest Trowbridge

General Manager

Brian R. Laddusaw



Water Resource Management Refuse Collection Street Lights Fire / Emergency Services Weed Abatement

DIRECTORS MEMORANDUM 2023-33

April 6, 2023

To: Rubidoux Community Services District
 Board of Directors

Subject: Consider Approval of the Notice of Exemption and Authorization for Staff to File It - Market Street Pipeline Relocation Project and Authorization for Staff to File it with the Appropriate Agencies

BACKGROUND:

The Rubidoux Community Services District (“District”) currently has out to bid a project to relocate a Water Pipeline which crosses Market Street (“Project”) to a lower depth to avoid damage to the pipeline during the upcoming Market Street Bridge Replacement Project being done by the County of Riverside in conjunction with the City of Jurupa Valley. The District has a bid opening scheduled for April 19, 2023. Also, at the March 16, 2023 Board Meeting, the Board of Directors approved a contract with Krieger and Stewart to perform Construction Inspection and Oversight Duties.

Categorical exemptions are identified in Section 15300 of the State of California Environmental Quality Act (“CEQA”) Guidelines as *“a list of classes of projects which have been determined not to have a significant effect on the environment and which shall, therefore, be exempt from the provision of CEQA.”* To determine whether a project is categorically exempt from CEQA, certain findings must be made for a project to verify it qualifies for a specific exemption class and can appropriately be exempted from the requirement for the preparation of a higher-level environmental document.

This project is specifically exempt from CEQA requirements of CEQA in Section 15302(c) which states, *“15302. REPLACEMENT OR RECONSTRUCTION Class 2 consists of replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced, including but not limited to: ... (c) Replacement or reconstruction of existing utility systems and/or facilities involving negligible or no expansion of capacity.”*

When a project is determined to be exempt from CEQA a Notice of Exemption (“NoE”) needs to be filed with the County Recorder’s office and the State Clearinghouse. As noted on the State Clearinghouse website, the State Clearinghouse is at the center of State agency involvement in the California Environmental Quality Act (CEQA) environmental review process and serves as the State “Single Point of Contact.” Staff has filled out the NoE but Board action is required in order to file it. A copy of the NoE is attached to this Board Memorandum.

RECOMMENDATION

Staff recommends the Board of Directors to:

1. Find in its sole discretion the Project meets the requirements for a Categorical Exemption for Class 2 Exemption under CEQA Section 15302(c) as appropriate for the project.
2. Authorize the General Manager or designee to sign the NoE.
3. Direct staff to file the NoE with appropriate agencies.

Respectfully,



Brian R. Laddusaw, CPA
General Manager

Attach:

Notice of Exemption

Notice of Exemption

Appendix E

To: Office of Planning and Research
P.O. Box 3044, Room 113
Sacramento, CA 95812-3044
County Clerk
County of: Riverside
2724 Gateway Drive
Riverside, CA

From: (Public Agency): Rubidoux Community Services District
3590 Rubidoux Blvd
Jurupa Valley, CA 92509
(Address)

Project Title: Market Street Water Relocation

Project Applicant: Rubidoux Community Services District

Project Location - Specific:
Water Pipeline crossing Market Street at the intersection of 24th St and Via Cerro St

Project Location - City: Jurupa Valley Project Location - County: Riverside

Description of Nature, Purpose and Beneficiaries of Project:
The Market Street Bridge which crosses the Santa Ana River is being replaced with a new 4 lane bridge. The District's Water Pipeline crosses Market Street but is at an elevation too high to accommodate the new bridge approach and therefore must be relocated to a lower elevation.

Name of Public Agency Approving Project: Rubidoux Community Services District

Name of Person or Agency Carrying Out Project: Rubidoux Community Services District

- Exempt Status: (check one):
[] Ministerial (Sec. 21080(b)(1); 15268);
[] Declared Emergency (Sec. 21080(b)(3); 15269(a));
[] Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
[X] Categorical Exemption. State type and section number: 15302(c) Replacement or Reconstruction
[] Statutory Exemptions. State code number:

Reasons why project is exempt:
Replacement or reconstruction of an existing utility system and/or facilities involving negligible or no expansion of capacity. Specically, replacement of a water pipeline at a deeper depth.

Lead Agency
Contact Person: Ted Beckwith Area Code/Telephone/Extension: 951-512-1255

- If filed by applicant:
1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? [] Yes [] No

Signature: Date: Title:

Signed by Lead Agency Signed by Applicant

Authority cited: Sections 21083 and 21110, Public Resources Code. Date Received for filing at OPR:
Reference: Sections 21108, 21152, and 21152.1, Public Resources Code.

10. Consideration to Adopt Resolution No. 2023-903, A Resolution Designating and Authorizing Certain Staff Members for Local Agency Investment Fund (LAIF) Banking Purposes: **DM 2023-34**

Rubidoux Community Services District

Board of Directors

Bernard Murphy, President
John Skerbelis, Vice-President
Armando Muniz
F. Forest Trowbridge
Hank Trueba Jr.



General Manager

Brian R. Laddusaw

Water Resource Management Refuse Collection Street Lights Fire / Emergency Services Weed Abatement

DIRECTORS MEMORANDUM 2023-34

April 6, 2023

To: Rubidoux Community Services District
Board of Directors

Subject: Consideration to Adopt Resolution No. 2023-903, A Resolution Designating and Authorizing Certain Staff Members for Local Agency Investment Fund (LAIF) Banking Purposes

BACKGROUND:

As the Board is aware, the previous General Manager ("GM") Jeff Sims retired from the District in December 2022 and the previous Director of Finance and Administration ("DFA") Brian Laddusaw was promoted to the position of GM. Since Jeff's retirement, I have operated in the capacity of GM and DFA as the District has worked on replacing the DFA. On April 3, 2023, the District's new DFA began. With the addition of a new DFA, the District must remove Jeff and add the new DFA as authorized representatives for purposes of making electronic transfers between the Local Agency Investment Fund ("LAIF") and District accounts. Keeping with District practice, only the GM and DFA have authorization to transfer monies between the two financial institutions. For LAIF to accept this change, the Board must formally adopt a Resolution. Staff recommends the Board consider and adopt Resolution No. 2023-903, A Resolution Designating and Authorizing Certain Staff Members for Local Agency Investment Fund Banking Purposes.

RECOMMENDATION:

This item is presented to the Board of Directors as an administrative item for the smooth transition and financial operation of the District. Consequently, staff recommends adoption of Resolution No. 2023-903, which supersedes and replaces Resolution No. 2020-864.

Respectfully,



BRIAN R. LADDUSAW, CPA
General Manager

Attachment(s):
Resolution No. 2023-903
Local Agency Investment Fund – Authorization for Transfer of Funds

RESOLUTION NO. 2023-903

**RESOLUTION OF THE BOARD OF DIRECTORS
OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT
AUTHORIZING INVESTMENT OF MONIES IN THE LOCAL
AGENCY INVESTMENT FUND**

WHEREAS, the Local Agency Investment Fund (LAIF) is established in the State Treasury under Government Code section 16429.1 et. seq. for the deposit of money of a local agency for purposes of investment by the State Treasurer; and

WHEREAS, in 1997, the Rubidoux Community Services District's (District) Board of Directors authorized the deposit and withdrawal of money in the Local Agency Investment Fund in accordance with Government Code section 16429.1 et. seq. for the purpose of investment as provided therein in the best interests of the District.

NOW THEREFORE, BE IT RESOLVED, that the following persons **or their successors in office** are each authorized to deposit or withdrawal District funds in LAIF in accordance with provisions of Government Code section 16429.1 for the purpose of investment as stated herein:

Brian R. Laddusaw, General Manager

Kirk T. Hamblin, Director of Finance and Administration

AND, the adoption of Resolution No. 2023-903 shall have an effective date of April 6, 2023;

AND, this resolution shall remain in full force and effect until rescinded by the Board of Directors by resolution and a copy of the resolution rescinding this resolution is filed with the State Treasurer's Office;

AND, the adoption of Resolution No. 2023-903 shall supersede District Resolution No. 2020-864, dated April 16, 2020, in its entirety.

BE IT FURTHER RESOLVED that this Resolution was approved and adopted this 6th day of April, 2023, at the Regular Meeting of the Board of Directors of the Rubidoux Community Services District by the following vote:

AYES:

NOES:

ABSENT:

ABSTENTIONS:

Bernard Murphy, President

John Skerbelis, Vice-President

Armando Muniz, Director

Hank Trueba, Jr., Director

F. Forest Trowbridge, Director

(Seal)

ATTEST:

Brian R. Laddusaw, Secretary to the Board

APPROVED AS TO FORM AND CONTENT:

John R. Harper, District Counsel



**California State Treasurer's Office
Local Agency Investment Fund (LAIF)**

Authorization for Transfer of Funds

Effective Date
4/6/2023

Agency Name
Rubidoux Community Services District

LAIF Account #
16-33-003

Agency's LAIF Resolution # 2023-903 or Resolution Date 4/6/2023

ONLY the following individuals whose names appear in the table below are hereby authorized to order the deposit or withdrawal of funds in LAIF. **This authorization REPLACES AND SUPERSEDES all prior authorizations on file with LAIF for the transfer of funds.**

Name	Title
Brian R. Laddusaw	General Manager
Kirk T. Hamblin	Director of Finance and Administration

Two authorized signatures required. Each of the undersigned certifies that he/she is authorized to execute this form under the agency's resolution, and that the information contained herein is true and correct.

Signature
Brian R. Laddusaw

Print Name
General Manager

Title
951-684-7580

Telephone

Signature
Kirk T. Hamblin

Print Name
Director of Finance and Administration

Title
951-684-7580

Telephone

Please provide email address to receive LAIF notifications.

Name	Email
Brian R. Laddusaw	bladdusaw@rcsd.org
Kirk T. Hamblin	khamblin@rcsd.org

Please email the completed form for review to laif@treasurer.ca.gov and allow 2 days for the review. **DO NOT** mail the original form until you receive a response from LAIF that the form is acceptable.

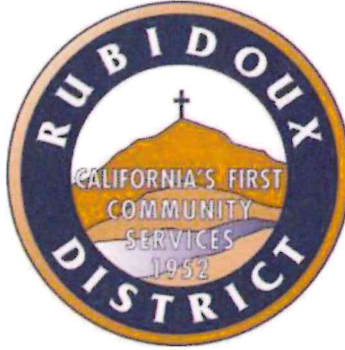
Mail the approved form to: CA State Treasurer's Office
Local Agency Investment Fund
P.O. Box 942809
Sacramento, CA 94209-0001

11. Consideration to Adopt Resolution No. 2023-904, A Resolution Designating and Authorizing Certain Staff Members the Ability to Conduct Electronic Transactions Between Banking Institutions: **DM 2023-35**

Rubidoux Community Services District

Board of Directors

Bernard Murphy, President
John Skerbelis, Vice-President
Armando Muniz
F. Forest Trowbridge
Hank Trueba Jr.



General Manager

Brian R. Laddusaw

Water Resource Management Refuse Collection Street Lights Fire / Emergency Services Weed Abatement

DIRECTORS MEMORANDUM 2023-35

April 6, 2023

To: Rubidoux Community Services District
Board of Directors

Subject: Consideration to Adopt Resolution No. 2023-904, A Resolution Designating and Authorizing Certain Staff Members the Ability to Conduct Electronic Transactions Between Banking Institutions

BACKGROUND:

Similar to the previous DM, the Rubidoux Community Services District ("District") Board of Directors must update its authorization to allow the new Director of Finance and Administration the ability to conduct electronic transactions between banking institutions that aren't Local Agency Investment Fund ("LAIF") related. Notably, this includes transactions with Pacific Premier Bank and Citizens Business Bank, among others. Keeping with District practice, only the General Manager and Director of Finance and Administration have authorization to transfer monies between banking institutions. Similar to LAIF, these banks require the formal adoption of a Resolution by the Board. Staff recommends the Board consider and adopt Resolution No. 2023-904, A Resolution Designating and Authorizing Certain Staff Members the Ability to Conduct Electronic Transactions Between Banking Institutions.

RECOMMENDATION:

This item is presented to the Board of Directors as an administrative item for the smooth transition and financial operation of the District. Consequently, staff recommends adoption of Resolution No. 2023-904, which supersedes and replaces Resolution No. 2020-865.

Respectfully,



BRIAN R. LADDUSAW, CPA
General Manager

Attachment(s):
Resolution No. 2023-904

RESOLUTION NO. 2023-904

**RESOLUTION OF THE BOARD OF DIRECTORS
OF THE RUBIDOUX COMMUNITY SERVICES DISTRICT
AUTHORIZING THE ELECTRONIC TRANSFER OF FUNDS BETWEEN BANK
ACCOUNTS AND/OR BETWEEN BANKING INSTITUTIONS**

WHEREAS, the Board of Directors does hereby acknowledge that the deposit and transfer of money between bank accounts and/or between banking institutions is inherent to the efficient operations of the Rubidoux Community Services District (District);

WHEREAS, it has become necessary to utilize electronic transfers to perform certain transactions with banking institutions;

NOW THEREFORE BE IT RESOLVED that the following persons are authorized to electronically transfer District funds between Rubidoux CSD bank accounts or banking institutions for the purpose of investment or operations only and not for third party endorsements:

Brian R. Laddusaw, General Manager
Kirk T. Hamblin, Director of Finance and Administration

AND, the adoption of Resolution No. 2023-904 shall have an effective date of April 6, 2023;

AND, the adoption of Resolution No. 2023-904 shall supersede District Resolution No. 2020-865, dated April 16, 2020, in its entirety.

BE IT FURTHER RESOLVED that this Resolution was approved and adopted this 6th day of April, 2023, at the Regular Meeting of the Board of Directors of the Rubidoux Community Services District by the following vote:

AYES:

NOES:

ABSENT:

ABSTENTIONS:

Bernard Murphy, President

John Skerbelis, Vice-President

Armando Muniz, Director

Hank Trueba, Jr., Director

F. Forest Trowbridge, Director

(Seal)

ATTEST:

Brian R. Laddusaw, Secretary to the Board

APPROVED AS TO FORM AND CONTENT:

John R. Harper, District Counsel

**12. Consideration to Purchase Gym Equipment for
Fire Station 38: DM 2023-36**

Rubidoux Community Services District

Board of Directors

Bernard Murphy, President
John Skerbelis, Vice-President
Armando Muniz
F. Forest Trowbridge
Hank Trueba Jr.



General Manager

Brian R. Laddusaw

Water Resource Management Refuse Collection Street Lights Fire / Emergency Services Weed Abatement

DIRECTORS MEMORANDUM 2023-36

April 6, 2023

To: Rubidoux Community Services District
 Board of Directors

Subject: Consideration to Purchase Gym Equipment for Fire Station 38

BACKGROUND:

The Rubidoux Community Services District (“District”) is responsible for providing Fire Protection Services within the District’s boundary and provides this service through a contract with Riverside County Fire / CalFire (“County Fire”) for staffing and equipment. Since 2006, the District has owned Fire Station 38’s property and building and as the owner, the District is responsible for its ongoing upkeep and replacement of long-lived assets. Funding to pay County Fire for contract services and routine recurring expenses related to upkeep of Fire Station 38 comes from the District’s share of property taxes paid by property owners within the District service boundary. The District retains an operating reserve from this funding source for upkeep and routine recurring expenses.

In May 1988, the Board adopted Ordinance No. 85 establishing certain fire protection mitigation fees to be used by the District to “*construct and/or equip new fire station facilities, or for equipment at existing facilities...*” with the intended purpose of restricting these monies for non-recurring expenditures, or in other words, long-lived assets. Fire mitigation fees are collected by District personnel at the same time other water and sewer capacity fees are collected. Currently, the District collects \$815 per single family residence and \$.41 per square foot for each commercial building.

Fire Station 38 Gym Equipment

The gym equipment at Fire Station 38 is mostly the original equipment from 2006. Additionally, some of the equipment currently occupying Fire Station 38 is surplus equipment from other fire stations in the area which is beginning to show its age and wear and tear. Attached to tonight’s Director’s Memorandum are a few pictures showing the condition of Fire Station 38’s current equipment. Fire Station 38 currently has 8.27 assigned staff which includes a captain, engineer, engineer medic, three (3) firefighter II, and two (2) firefighter II medics.

Also, the District has an assigned battalion chief who splits their time with other fire stations in the area. At any one time, Fire Station 38 is staffed by a minimum of 3 fire personnel who work 3 straight days, or 72 hours, living at the Station before they rotate off. Gym equipment helps improve health and wellness. It is a vital part of keeping firefighters healthy and safe. It also improves morale in the station. A well-equipped fire station gym can help firefighters stay in shape and improve their ability to respond to emergencies. Over the last couple of years, Fire Station 38 personnel has expressed a desire to replace some of the worn-down gym equipment. Knowing this, but understanding there were more pressing maintenance items at the Station, District personnel prioritized the following asset expenditures at the Station:

- 1) New commercial grade water heater
- 2) New Fire Station 38 / Rubidoux Community Services District sign
- 3) Perimeter fence enhancements

The commercial grade water heater was installed in Fall 2022 and the sign was completed in January 2023. Currently, the District is working with its contractor to complete the perimeter fence enhancements, which are approximately 90% complete. Due to the successive completion and near completion of the above projects, District staff reviewed the Fire / Weed Abatement Fund Budget to determine appropriate budget capacity for procuring new gym equipment, which is described in greater detail under ‘Budget Considerations’.

The District received three different quotes from vendors who supply gym equipment, they are as follows:

- 1) American Floor Mats – They would supply rubber flooring which is laid on the floor of the gym to protect the floor from weights bouncing. The quote also includes a discount of 10% given these would be used by fire personnel.
- 2) Tuff Stuff – They would supply a full set of dumbbells and rack and multi-functional cross-trainer.
- 3) ETE Fitness Equipment – They would supply a new adjustable bench.

District staff believes the gym equipment as quoted above would be modest additions to Fire Station 38 and provide physical and mental health benefits to its personnel.

BUDGET CONSIDERATIONS:

The combined cost of adding gym equipment at Fire Station 38 is estimated at \$7,900.23. Included in the District’s Fire / Weed Abatement Fund Budget for FY 22|23 is line 18 ‘Misc. Asset Acq./Replacements’ for \$250,000. Of the \$250,000, the District has spent or appropriated the following funds for this fiscal year:

Project	Amount	Available Budget
		\$ 250,000.00
Water Heater	\$ 16,975.00	\$ 233,025.00
Sign	\$ 10,108.22	\$ 222,916.78
Perimeter Fence Enhancements	<u>\$ 135,800.00</u>	\$ 87,116.78
	<u>\$ 162,883.22</u>	

The District has approximately \$87,000 in available budgeted monies for the remaining fiscal year. Additionally, as of the writing of this Memorandum, the District has approximately \$3.227 million in its Fire Mitigation cash account, which serves as the funding source for Fire Station 38 asset replacements. District staff determined the FY 22|23 Fire/Weed Abatement Fund Budget and Fire Mitigation cash account to have sufficient capacity for these expenditures.

RECOMMENDATION:

Management recommends the Board of Directors:

1. Accept the proposal from American Floor Mats, ETE Fitness Equipment, and Tuff Stuff Fitness International.
2. Authorize the General Manager to issue Purchase Orders to American Floor Mats, ETE Fitness Equipment, and Tuff Stuff Fitness International in the amount of \$7,900.23.

Respectfully,



BRIAN R. LADDUSAW, CPA
General Manager

Attachment(s):

American Floor Mats Quote #4165714
ETE Fitness Equipment Quote#E292
Tuff Stuff Fitness International Quote #QUO337
Photos of Current Gym Equipment



152 Rollins Avenue, #102
 Rockville, MD 20852
 800-762-9010 / 240-780-3309 (fax)

Quote

Date	Quote #
3/13/2023	4165714

Prepared By	Prepared For
Nate Tor Sales Department 800-762-9010 240-780-3309 (fax) nate@americanfloormats.com	Chad Whinery Jurupa Valley, CA 92509 United States 909-518-5048 mtrujillo@rcsd.org

Product Name	Qty	Price	Subtotal
Rubber Roll Matting » Size: 1/4" Thick - 10% Color » 4' Wide x 22' ~ 88 sq ft » Color: 10% Blue	1	\$175.12	\$175.12
Rubber Roll Matting » Size: 1/4" Thick - 10% Color » 4' Wide x 15' ~ 60 sq ft » Color: 10% Blue	1	\$119.40	\$119.40
Subtotal:			\$294.52
UPS Ground:			\$197.26
Taxes:			\$0.00
10.00% Discount:			\$29.45
Total:			\$462.33

[Click here](#) to view your quote online (and to place order)

We are here to help! Please do not hesitate to give us a call at 800-762-9010 if you would prefer to place your order over the phone or if you have any questions that we may help with.

THANK YOU FOR YOUR BUSINESS!

ETE FITNESS EQUIPMENT

7000 SLAUSON AVE.
 COMMERCE, CA 90040
 P: 562-408-5137

ExtremeTrainingEquipment.com

Estimate

Number E292

Date 9/8/2022

Bill To
 CHAD WHINERY
 RUBIDOUX STATION 38
 909-518-5048
 CHAD.WHINERY@FIRE.CA.GOV

Estimate valid for 30 days from date issued

Ship To

PO Number	Terms	Customer #	Ship	Via	Project
-----------	-------	------------	------	-----	---------

Item #	Description	Quantity	Price Each	Tax1	Amount
	PL7328 ADJUSTABLE BENCH	1.00	\$279.00	✓	\$279.00
	WILL CALL ONTARIO				

Amount Paid	\$0.00	Discount	\$0.00
Amount Due	\$307.60	Shipping Cost	\$0.00
		Sub Total	\$279.00
		Sales Tax 10.25% on \$279.0	\$28.60
		Total	\$307.60



TuffStuff Fitness International, Inc.
 13971 Norton Ave
 Chino CA 91710
 United States
 (909) 629-1600 / 909-629-4967 Fax
info@tuffstufffitness.com / www.tuffstufffitness.com

<h1>Quote</h1>	
Quote No.	QUO337
Customer No.	483
Quote Date	8/22/2022
Purchase Order	

Bill To	Ship To
Chad Whinery Fire Station 5721 Mission Blvd Rubidoux CA 92509 United States Phone:(909) 518-5048	Chad Whinery Fire Station 5721 Mission Blvd Rubidoux CA 92509 United States Phone:(909) 518-5048

Expires	Exp. Close	Sales Rep	Terms	Shipping Method
4/13/2023	8/22/2022	Greg Rodriguez	Prepay	Delivery / Installation

Quantity	Item	Rate	Amount
1	CXT-200 CORNER DUAL STACK MULTI-FUNCTIONAL CROSS TRAINER (2x 150# WEIGHT STACKS) Frame: Standard Retail Accent: Standard Retail Upholstery: Standard Retail	\$2,457.00	\$2,457.00
2	CDR-300 2-Tier Tray Dumbbell/Kettle Bell Rack Frame: Standard Retail Accent: Standard Retail Upholstery: Standard Retail	\$370.00	\$740.00
4	CDR-300E Third Tier Tray for CDR-300 Frame: Standard Retail Accent: Standard Retail Upholstery: Standard Retail	\$138.00	\$552.00
1	TUF0049 HEX DUMBBELL SET, RUBBER ENCASED, 5#-50# Frame: Standard Retail Accent: Standard Retail Upholstery: Standard Retail	\$865.00	\$865.00
2	TUF0073 55# Hex Dumbbell, Rubber Encased (Pair) Frame: Standard Retail Accent: Standard Retail Upholstery: Standard Retail	\$85.80	\$171.60
2	TUF0074 60# Hex Dumbbell, Rubber Encased (Pair) Frame: Standard Retail Accent: Standard Retail Upholstery: Standard Retail	\$93.60	\$187.20
2	TUF0075 65# Hex Dumbbell, Rubber Encased (Pair) Frame: Standard Retail Accent: Standard Retail Upholstery: Standard Retail	\$101.40	\$202.80
2	TUF0076 70# Hex Dumbbell, Rubber Encased (Pair) Frame: Standard Retail Accent: Standard Retail Upholstery: Standard Retail	\$109.20	\$218.40
2	TUF0077 75# Hex Dumbbell, Rubber Encased (Pair) Frame: Standard Retail Accent: Standard Retail Upholstery: Standard Retail	\$117.00	\$234.00
2	TUF0078 80# Hex Dumbbell, Rubber Encased (Pair) Frame: Standard Retail Accent: Standard Retail Upholstery: Standard Retail	\$124.80	\$249.60
2	TUF0079 85# Hex Dumbbell, Rubber Encased (Pair) Frame: Standard Retail Accent: Standard Retail Upholstery: Standard Retail	\$132.60	\$265.20





TuffStuff Fitness International, Inc.
 13971 Norton Ave
 Chino CA 91710
 United States
 (909) 629-1600 / 909-629-4967 Fax
info@tuffstufffitness.com / www.tuffstufffitness.com

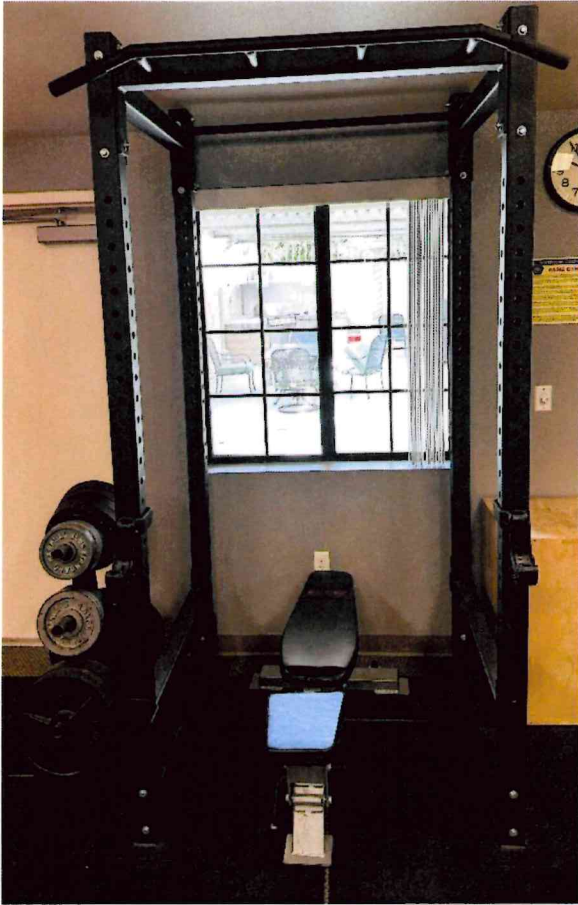
The freight quote is an estimate only, based on the time of the purchase order, and is subject to change upon the actual shipping date. All shipping prepaid freight fees are based upon the best rate available at the time of the estimate. Additional freight fees may be assessed at the time of shipment and/or on the final billing invoice. Invoices not paid within the timeframe set forth herein shall be subject to a monthly finance charge of 1.5% of the total balance of the invoice. This quote is valid for 30 days.

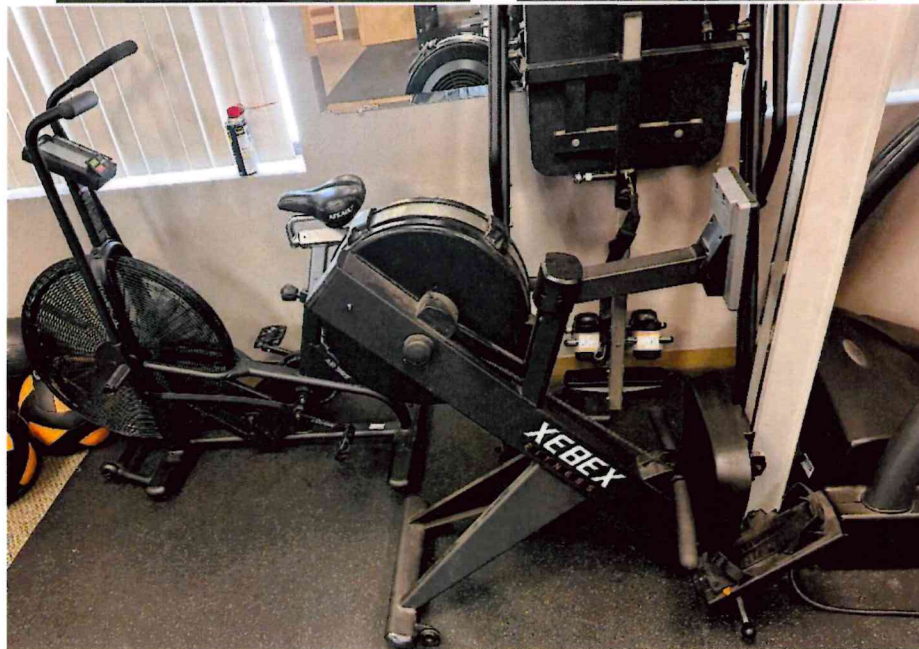
Quote	
Quote No.	QU0337
Customer No.	483
Quote Date	8/22/2022
Purchase Order	

Subtotal	\$6,142.80
Estimated Shipping	\$450.00
Tax Total (8.75%)	\$537.50
Total	\$7,130.30



QU0337





**13. Consider Professional Services Contract for Hydraulics and
Preliminary Design of Improvements in the 1238 (Hunter)
Pressure Zone: **DM 2023-37****

Rubidoux Community Services District

Board of Directors

Bernard Murphy, President
John Skerbelis, Vice-President
Hank Trueba, Jr.
Armando Muniz
F. Forest Trowbridge

General Manager

Brian R. Laddusaw



Water Resource Management Refuse Collection Street Lights Fire / Emergency Services Weed Abatement

DIRECTORS MEMORANDUM 2023-37

April 6, 2023

To: Rubidoux Community Services District
 Board of Directors

Subject: Consider Professional Services Contract for Hydraulics and Preliminary Design of Improvements in the 1238 (Hunter) Pressure Zone

BACKGROUND:

The District has two main pressure zones serving its customers. The largest pressure zone is the Atkinson Pressure Zone with two storage tanks at 1066' high water level ("HWL") elevation. Two pump stations move water out of the Atkinson Pressure Zone ("PZ") to the Hunter PZ with two storage tanks at 1238' HWL elevation. The Ridgeline PZ is a small hydro pneumatic pressure zone ("HPZ") off the Hunter Pressure Zone.

In December 2019 the Board of Directors approved hiring Harper and Associates to proceed with inspections of the District's four storage tanks via DM 2019-72. This effort provided the District with a condition assessment for each tank identifying specific recommendations regarding coatings, structural integrity based on corrosion observations, and conformance with current seismic and safety regulations. The recommendations identified actions and costs for future tank rehabilitation / refurbishment projects.

It is known some amount of work will be necessary for each tank. Of specific concern is the Hunter One Tank. Due to its age and known corrosion issues, a significant amount of work will be necessary to either replace or refurbish this tank. In addition, the District's 2022 Water Master Plan calls for additional storage in the Hunter Pressure Zone to meet ultimate storage needs. Based on Harper and Associates recommendations for the Hunter One Tank, a decision will need to be made to either refurbish the tank or tear it down and build a new larger replacement tank to accommodate ultimate storage requirements. In either case, refurbishment or replacement of the existing Hunter One Tank, the Hunter Pressure Zone will be reliant on one storage tank for several months.

As noted above, the Hunter Pressure Zone has two storage tanks – 1) 0.4 MG Hunter One Tank, and 2) 1.0 MG Perrone Tank. These two tanks are hydraulically connected by a distribution system. While the Hunter One Tank is out of service, the entire Hunter Pressure Zone will rely on the Perrone Tank. Due to relatively small

diameters of the existing distribution piping connecting the two tanks, staff was concerned inadequate pressures and flows will be experienced while supply is one directional from the Perrone Tank. To verify the existing hydraulic capability of the existing Hunter Pressure Zone and potential improvements that may be needed for adequate pressures and flows, the Board of Directors approved via DM 2020-10 hiring Webb and Associates (“Webb”) to do preliminary Hydraulics analysis to assist the District to make decisions on what, if any, pipelines are needed prior to the Hunter One Tank being taken out of service for refurbishment or replacement. The results of this report identified several deficiencies in the 1238 (Hunter) PZ which need to be addressed as well as some deficiencies requiring attention in the southwest portion of the 1066 (Atkinson) PZ.

In the interim, the State Division of Drinking Water (“DDW”) issued an order for the District to reduce PFAS concentrations in its Drinking Water Supply from ground water sources by the end of 2021. The District then redirected its efforts to installing the required water treatment systems to remove PFAS. In 2022, after commissioning the Ion Exchange Treatment at the Thompson Plant it was discovered that the installation of the new Ion Exchange Vessels was potentially affecting the pressures in the Atkinson PZ in the vicinity of Thompson Plant and possibly causing pipe failures in the area of Loring Ranch. Staff re-directed its efforts to solving this issue.

To begin to address the deficiencies identified in the 2020 Webb Report, recently Staff requested Webb provide a proposal to investigate and provide preliminary design along with cost estimates for the following:

- Upsize the 6” pipe from the Goldenwest Booster to Montero in order to take advantage of the full capacity of both booster pumps
- Decommission and remove the Hunter 2 Tank and put a new pipe in its place so the area can be looped and not have the dead ends it has now with the tank “valved off”
- Investigate the abandoned pipe along Valdez and Thunder Ridge and possibility installing a new pipe for system redundancy
- Upsize with new or add new and refurbish existing Hunter 1 Tank to increase storage capacity
- Analyze if there are adequate pipe diameters between Hunter 1 and Perrone Tanks
- Consider relocating Ridgeline HPZ Vessels to be on the same site as the Hunter 1 Tank
- Survey work to establish location of Hunter 1 Tank Property Lines and the Easements and Property Lines for the Ridgeline HPZ Vessels
- Low pressure concerns in the southwest area of the 1066 Atkinson PZ should be investigated further as indicated in the September 2020 Webb Hunter Zone Hydraulic Analysis

In response to this request for proposal, Webb proposes to do the following:

- Review Water Master Plan within the 1238 PZ and the southwestern portion of the 1066 PZ for proposed pipelines and other projects within the 1238 PZ which would ensure adequate service if the Hunter Tank 1 was taken out of service for refurbishment or replacement.
- Review as-built plans and atlas maps to confirm existing condition and potential bottlenecks in the system.
- Coordinate with RCSD Engineering and Operations team via meetings and a field visit to determine the extent of the bottlenecks due to closed or out of service/abandoned pipelines and confirm existing pipeline locations and features, existing pump capabilities and limitations.
- Perform utility research in the area around the Goldenwest Pump Station and along two potential

pipeline alignments (Avenue Don Benito and Valdez Ave) to confirm location of any other utilities in the area.

- Preparing mapping, survey and field topography for 400 lf of Ave Don Benito and 500 lf of Valdez Ave for preliminary design purposes.
- Preparing mapping, survey and field topography for Hunter 1 Tank site for preliminary design purposes.
- Survey Ridgeline Booster Station site and existing facilities, and map any easements associated with the site. Included in this task is research to find any existing easements for access to the site.
- Develop proposed pipeline configurations and alignments for four locations; Goldenwest Booster, pipeline through the Hunter 2 site, Avenue Don Benito and Valdez Ave. The base mapping to be used for those alignments will be from surveys previously prepared by WEBB, GIS mapping or the surveys noted above. No survey will be performed at the Goldenwest pump station site or the Hunter 2 tank site.
- Prepare a preliminary site plan for the Hunter 1 site that considers possible relocation of the Ridgeline Booster Station and construction of the required 0.9 MG of storage at this site, either two smaller tanks or one larger tank.
- Modify the water hydraulic model with the proposed improvements and confirm if the system will provide adequate service when the Hunter 1 Tank is out of service. Develop an operational plan for this situation, ie, pump lead/lag and set points assuming the Tony Perrone Tank is the only tank in service.
- Prepare cost estimates for the proposed improvements.
- Summarize findings in a letter report.

The District's 2022 Water Master Plan proposes these improvements to improve system reliability and redundancy in the 1238 (Hunter) PZ and portions of the 1066 (Atkinson) PZ but in order to do these improvements the District needs preliminary design work and additional study done to determine the best path forward and the specifics of the system improvements.

Webb's proposal to perform these tasks is \$84,508. The Fiscal Year ("FY") 2022/23 Budget includes \$200,000 for Design work in the 1238 (Hunter) PZ in the Water Fund Capital Improvement Budget, Line Item 8. Since this effort will result in storage tank replacements and may result in pipeline replacements, it is suggested funding be tracked under the District's Water Replacement Fund Budget. The Approved District Budget for FY 2022/23 does not include this project in the Water Fund Replacement Budget. Staff recommends amending the both the Water Fund Capital Improvement Budget and the Water Fund Replacement Budget to move the \$200,000 from Line 8 of the former to Line 5 of the latter to properly track this as a replacement project and not a capital improvement project.

RECOMMENDATION

Staff recommends the Board of Directors approve the General Manager to:

1. Amend the approved District Budget for FY 2022/23 by reallocating \$200,000 from Water Fund Capital Improvement Budget Line 8 to the Water Replacement Fund Budget Line 5.

2. Authorize the expenditure of up to \$100,000 of Line 5 of the Water Fund Budget to pay for the preliminary design effort for the 1238 (Hunter) PZ improvements and a portion of the 1066 (Atkinson) PZ improvements.
3. Issue a Task Order to Webb Associates in the amount of \$84,508 to perform hydraulic analyses for the Hunter Pressure Zone pursuant to the attached Webb Proposal dated March 20, 2023.

Respectfully,



Brian R. Laddusaw, CPA
General Manager

Attach:

Webb Proposal Dated March 20, 2023
DM 2020-09
DM 2019-72
Excerpts of the 2022 Water Master Plan
Prior Hydraulics Analysis by Webb

Corporate Headquarters
3788 McCray Street
Riverside, CA 92506
951.686.1070

Palm Desert Office
74967 Sheryl Avenue
Palm Desert, CA 92260
951.686.1070

Murrieta Office
41870 Kalmia Street #160
Murrieta, CA 92562
T: 951.686.1070

March 20, 2023

Sent Via Email to TBeckwith@rcsd.org

Mr. Ted Beckwith, P.E.
Director of Engineering
RUBIDOUX COMMUNITY SERVICES DISTRICT
3590 Rubidoux Blvd.
Jurupa Valley, CA 92509

**RE: Proposal for Preliminary Engineering Design Services for the 1238
Hunter Pressure Zone**

Dear Mr. Beckwith:

Albert A. WEBB Associates (WEBB) is pleased to provide you with this proposal for Preliminary Design Services related to the 1238 Hunter Pressure Zone project. The following is a summary of the tasks requested by Rubidoux Community Services District (RCSD) related to improvements for the 1238 Hunter Pressure Zone.

- Consider upsizing the existing 6" pipe from the Goldenwest Booster to Montero Road in order to take advantage of the full capacity of both booster pumps.
- Decommission and remove the Hunter 2 Tank and complete the pipeline loop through the site. (The Hunter 2 Tank is currently out of service.)
- Investigate the abandoned pipe along Valdez and Thunder Ridge and possibility installing a new pipe for system redundancy.
- Upsize with new or add new and refurbish existing Hunter 1 Tank to increase storage capacity.
- Analyze adequate pipe diameters between Hunter 1 and Perone Tanks.
- Consider relocating Ridgeline HPZ Pumps Station to be on the same site as Hunter 1 Tank.
- Survey work to establish location of Hunter 1 Tank Property Lines and the Easements and Property Lines for the Ridgeline HPZ Equipment
- Review bottlenecks in the southwest portion of the District's water service area.

If the existing Hunter 1 Tank is taken out of service for refurbishment or replacement, there is a potential for low pressures or poor supply within the pressure zone since one of the pumps at the Goldenwest Pump Station is not used. That pump cannot be used due to small diameter and leaking pipelines on the discharge side of the pump. In addition, the Goldenwest Pump Station is planned to be replaced at a new location across the street and any upcoming pipeline improvements should also consider how the



new pump station will be connected into the system. RCSD requires a preliminary design to determine the extent of the near-term pipeline replacements needed and other storage tank work that is necessary to address these issues listed above. The scope of work is as follows:

- Review Water Master Plan within the 1238 PZ and the southwestern portion of the 1066 PZ for proposed pipelines and other projects within the 1238 PZ which would ensure adequate service if the Hunter Tank 1 was taken out of service for refurbishment or replacement.
- Review as-built plans and atlas maps to confirm existing condition and potential bottlenecks in the system.
- Coordinate with RCSD Engineering and Operations team via meetings and a field visit to determine the extent of the bottlenecks due to closed or out of service/abandoned pipelines and confirm existing pipeline locations and features, existing pump capabilities and limitations.
- Perform utility research in the area around the Goldenwest Pump Station and along two potential pipeline alignments (Avenue Don Benito and Valdez Ave) to confirm location of any other utilities in the area.
- Preparing mapping, survey and field topography for 400 lf of Ave Don Benito and 500 lf of Valdez Ave for preliminary design purposes.
- Preparing mapping, survey and field topography for Hunter 1 Tank site for preliminary design purposes.
- Survey Ridgeline Booster Station site and existing facilities, and map any easements associated with the site. Included in this task is research to find any existing easements for access to the site.
- Develop proposed pipeline configurations and alignments for four locations; Goldenwest Booster, pipeline through the Hunter 2 site, Avenue Don Benito and Valdez Ave. The base mapping to be used for those alignments will be from surveys previously prepared by WEBB, GIS mapping or the surveys noted above. No survey will be performed at the Goldenwest pump station site or the Hunter 2 tank site.
- Prepare a preliminary site plan for the Hunter 1 site that considers possible relocation of the Ridgeline Booster Station and construction of the required 0.9 MG of storage at this site, either two smaller tanks or one larger tank.
- Modify the water hydraulic model with the proposed improvements and confirm if the system will provide adequate service when the Hunter 1 Tank is out of service. Develop an operational plan for this situation, ie, pump lead/lag and set points assuming the Tony Perrone Tank is the only tank in service.
- Prepare cost estimates for the proposed improvements.
- Summarize findings in a letter report.

As part of this project, WEBB will conduct a virtual kick-off meeting with District staff, a field visit to confirm site condition, hold three coordination meetings with District Operations Team, and hold two workshops with District Staff to share findings / recommendations and receive feedback on the project. WEBB will provide QA/QC reviews and oversight and provide coordination throughout the project duration.

The total amount requested for these services is **\$84,508**, billed on a time and materials basis, not to be exceeded without prior authorization.

We appreciate this opportunity to be of service to your firm and look forward to hearing from you. If you have any questions regarding this proposal, please contact us at 951-686-1070.

Sincerely,

ALBERT A. WEBB ASSOCIATES

A handwritten signature in black ink, appearing to read 'Bradley A. Sackett', written in a cursive style.

Bradley A. Sackett, P.E.
Senior Engineer



**PZ 1238 Improvements – Analysis and Preliminary Design
Rubidoux Community Services District**

Item	Description	Bruce Davis Principal II	Bradley Sackett Principal II	Chandler Drachslin Assistant V	Timothy Heng Assistant IV	Lexi Hinkley Project Coordinator	Joseph Caldwell Principal II	Party Chief/2-Person Survey Crew	Party Chief/2-Person Survey Crew	Michael Johnson Principal I	Andres Lopez Senior I	Jordan Moretti Assistant IV	Jon Ros Senior II	Amy Charon Project Coordinator	Total Hours	Subtotal - Labor	Sub-consultant budget	Expenses	Total/task ¹
	Billout Rate	\$ 302	\$ 302	\$ 189	\$ 170	\$ 135	\$ 302	\$ 314	\$ 287	\$ 250	\$ 170	\$ 259	\$ 135						
Task 1 - Data Collection and Review			10	4	20	8									42	\$ 8,256	\$ -	\$ 200	\$ 8,456
1.1	Review Master Plan and Atlas Maps		1	2	2										5	\$ 1,020	\$ -		\$ 1,020
1.2	Review As-Built Plans		2	2	4										8	\$ 1,662	\$ -		\$ 1,662
1.3	Site Visit		6		6										12	\$ 2,832	\$ -	\$ 50	\$ 2,882
1.4	Utility Research		1		8	8									17	\$ 2,742	\$ -	\$ 150	\$ 2,892
Task 2 - Survey			2					24	9	6	10	28	4		83	\$ 21,715	\$ 3,197	\$ 52	\$ 24,964
2.1	Records Research		1						1				3		5	\$ 1,366	\$ -		\$ 1,366
2.2	Survey Control							10		2	4				16	\$ 4,320	\$ -	\$ 26	\$ 4,346
2.3	Field Topographic Survey		1					14	1	3	6				25	\$ 6,755	\$ -	\$ 26	\$ 6,781
2.4	R-O-W and Boundary Survey								6	1			25	2	34	\$ 8,717	\$ -		\$ 8,717
2.5	Title Reports (Allowance)								1					2	3	\$ 557	\$ 3,197		\$ 3,754
Task 3 - Conceptual Plans			16		68										84	\$ 16,392	\$ -	\$ -	\$ 16,392
3.1	Ave Don Benito		3		12										15	\$ 2,946	\$ -		\$ 2,946
3.2	Valdez Ave		3		12										15	\$ 2,946	\$ -		\$ 2,946
3.3	Hunter 1 Tank Site		4		20										24	\$ 4,608	\$ -		\$ 4,608
3.4	Goldenwest Tank and Pipeline		4		16										20	\$ 3,928	\$ -		\$ 3,928
3.5	Hunter 2 Abandonment Plan		2		8										10	\$ 1,964	\$ -		\$ 1,964
Task 4 - Hydraulic Modeling			4	8	14										26	\$ 5,100	\$ -	\$ -	\$ 5,100
4.1	Update Model with proposed Improvements			2	4										6	\$ 1,058	\$ -		\$ 1,058
4.2	Run Scenarios		2	2	6										10	\$ 2,002	\$ -		\$ 2,002
4.3	Document Results		2	4	4										10	\$ 2,040	\$ -		\$ 2,040
Task 5 - Cost Estimates and Reports			16	6	56	20	2								100	\$ 18,790	\$ -	\$ -	\$ 18,790
5.1	Cost Estimates		4		12		2								18	\$ 3,852	\$ -		\$ 3,852
5.2	Draft Reports		8	4	32	16									60	\$ 10,772	\$ -		\$ 10,772
5.3	Final Reports		4	2	12	4									22	\$ 4,166	\$ -		\$ 4,166
Task 6 - Project Management		4	18		4	12	6								44	\$ 10,756	\$ -	\$ 50	\$ 10,806
6.1	Kick-off Meeting	1	2			1									4	\$ 1,041	\$ -		\$ 1,041
6.2	Operations Coordination Meeting		2			1									3	\$ 739	\$ -	\$ 25	\$ 764
6.3	Workshops (2)	1	8		4	4									17	\$ 3,938	\$ -	\$ 25	\$ 3,963
6.4	QA/QC		2				6								8	\$ 2,416	\$ -		\$ 2,416
6.5	Project Management	2	4			6									12	\$ 2,622	\$ -		\$ 2,622
Total		4	66	18	162	40	8	24	9	6	10	28	4		379	\$ 81,009	\$ 3,197	\$ 302	\$ 84,508

1. Rounded to the nearest \$1.

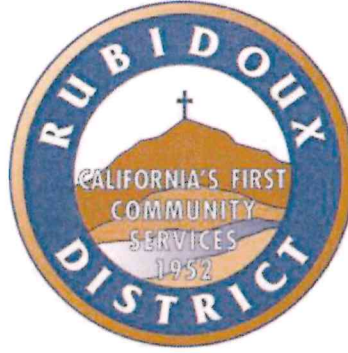
Rubidoux Community Services District

Board of Directors

Hank Trueba Jr
Armando Muniz
Bernard Murphy
John Skerbelis
F. Forest Trowbridge

General Manager

Steven W. Appel



Water Resource Management Refuse Collection Street Lights Fire / Emergency Services Weed Abatement

DIRECTORS MEMORANDUM 2020 - 09

February 20, 2020

To: Rubidoux Community Services District
 Board of Directors

Subject: Hunter Pressure Zone Improvements – Engineering Support

BACKGROUND:

The District has two main pressure zones serving its customers. The largest pressure zone is the Atkinson Pressure Zone with two storage tanks at 1066' high water level ("HWL") elevation. Two pump stations move water out of the Atkinson Pressure Zone to the Hunter Pressure Zone with two storage tanks at 1238' HWL elevation. The Ridgeline Pressure Zone is a small hydro pneumatic pressure zone off the Hunter Pressure Zone.

Recently the Board of Directors approved hiring Harper and Associates to proceed with inspections of the District's four storage tanks. This effort will provide the District with a condition assessment for each tank identifying specific recommendations regarding coatings, structural integrity based on corrosion observations, and conformance with current seismic and safety regulations. The recommendations will identify costs for future tank rehabilitation / refurbishment projects.

It is anticipated some amount of work will be necessary for each tank. Of specific concern is the Hunter One Tank. Due to its age and known corrosion issues, a significant amount of work will likely be necessary. In addition, the current District Water System Master Plan calls for additional storage in the Hunter Pressure Zone to meet ultimate storage needs. Based on Harper and Associates recommendations for the Hunter One Tank, a decision will need to either refurbish the tank or tear it down and build a new larger replacement tank to accommodate ultimate storage requirements. In either case, refurbishment or replacement of the existing Hunter One Tank, the Hunter Pressure Zone will be reliant on one storage tank for several months.

As noted above, the Hunter Pressure Zone has two storage tanks – 1) 0.4 MG Hunter One Tank, and 2) 1.0 MG Perrone Tank. These two tanks are hydraulically connected by a distribution system. While the Hunter One Tank is out of service, the entire Hunter Pressure Zone will rely on the Perrone Tank. Due to relatively small

diameters of the existing distribution piping connecting the two tanks, staff is concerned inadequate pressures and flows will be experienced while supply is one directional from the Perrone Tank. To verify the existing hydraulic capability of the existing Hunter Pressure Zone and potential improvements that may be needed for adequate pressures and flows, staff has requested a proposal from Webb Associates to perform a hydraulic analysis. Webb's January 21, 2020 proposal is attached. Once this work is completed, information will be used to make decisions on what, if any, pipelines are needed prior to the Hunter One Tank being taken out of service for refurbishment or replacement.

Webb's proposal for this work is \$17,020 with a schedule of 8 to 10 weeks. Since this effort may result in pipeline replacements, it is suggested funding be tracked under the District's Water Replacement Project Budget. The Approved District Budget for FY 2019/2020 & FY 2020/2021 does not include this project. To proceed the Board of Directors will need to consider approving a Budget Amendment moving reserves from the Water Fund to the Water Replacement Project Budget.

RECOMMENDATION

Staff recommends the Board of Directors approve the General Manager to:

1. Amend the approved District Budget for FY 2019/2020 & FY 2020/2021 by allocating \$20,000 from Water Fund reserves to the Water Replacement Project Budget.
2. Enter a contract with Webb Associates in the amount of \$17,020 to perform hydraulic analyses for the Hunter Pressure Zone pursuant to the attached Webb Proposal dated January 21, 2020.

Respectfully,

JEFFREY D. SIMS, P.E.
Assistant General Manager

Attach.:

1. Webb Hunter Pressure Zone Proposal dated January 21, 2020

Rubidoux Community Services District

Board of Directors

Armando Muniz
Bernard Murphy
John Skerbelis
F. Forest Trowbridge
Hank Trueba Jr

General Manager

Steven W. Appel



Water Resource Management Refuse Collection Street Lights Fire / Emergency Services Weed Abatement

DIRECTORS MEMORANDUM 2019 – 72

December 19, 2019

To: Rubidoux Community Services District
 Board of Directors

Subject: District Tank Condition Assessment Support

BACKGROUND:

Currently Rubidoux Community Services District (“District”) has four potable water tanks in service. These steel tanks hold volumes of water to meet equalization storage, emergency storage, and fire protection storage. The District’s 2015 Water Master Plan defines each of these storage requirements:

Equalization Storage: Storage for normal daily water service and is based on 30% of District’s maximum day demand. This storage meets system demand during peak periods when demand is in excess of production ability of District potable wells.

Emergency Storage: Storage for emergency situations such as a wide-spread power outage impacting well production or booster station functionality. The District uses 33% of customer maximum day demand to determine volume for emergency storage.

Fire Protection Storage: Fire storage is calculated at 5,000 gpm for 2 hours in the Atkinson Pressure Zone (1066’), or 0.6 MG, and 1,500 gpm for 2 hours in the Hunter Pressure Zone (1238’), or 0.18 MG. The higher volume in the Atkinson Pressure Zone is to account for commercial and industrial land uses.

The tanks are essential to District operations and have a long-life cycle with routine maintenance. Part of the maintenance strategy for steel tanks is to perform periodic inspections by qualified and experienced consultants. Staff has contacted Harper and Associates Engineering, Inc. (“Harper”) for a proposal to inspect the four tanks with specific emphasis on: 1) corrosion evaluation, and 2) structural/seismic evaluation. As a note Harper has performed past tank inspections for the District.

Harper's proposal is basically a condition assessment effort of the four tanks. A main factor to increase tank longevity is minimizing steel corrosion. This is done by maintaining the interior lining and exterior coating to protect the steel from exposure to moisture. To do the condition assessment, Harper has two main tasks: 1) evaluate the condition of the interior lining of the tank and exterior coating for viability and note any existing corrosion, and 2) evaluate the structural/seismic integrity of the tanks against current seismic regulations and note required rehabilitation of steel components impacted by corrosion (if any). Harper's complete proposal is attached.

Harper proposes to do the inspection of each tank when it is empty rather than diving the tank while in service. To accommodate this, staff will work with Harper to perform the inspections during lower temperature periods coinciding with lower system demand. This would be late January to mid-March, 2020.

Work product will include findings of the inspections with conclusions, recommendations and rehabilitation costs estimates for each of the tanks. Staff will use the Harper work product to budget work needed to be done on each tank with a goal to perform the tank rehabilitation projects during winter 2020/2021. Harper's cost for this work is \$34,800.

This tank condition assessment work was not budgeted in the current District FY 2019/2020 Budget. To be able to perform potential rehabilitation work on the tanks during winter of 2020/2021, the Harper effort needs to be completed this winter. To fund this effort, it is proposed \$40,000 from the District's Water Operating Reserve Fund be allocated to the Water Capital Improvement Project (CIP) Fund as an amendment to the FY 2019/2020 District Budget. The current balance of the District Operating Reserve Fund is \$3,472,000 and available to fund the needed \$40,000.

RECOMMENDATION:

Staff recommends the Rubidoux Community Services District Board of Directors authorize the General Manager to:

1. Execute a professional services contract with Harper in the amount of \$34,800 to provide tank inspection of each of the District's four potable water tanks.
2. Amend the approved FY 2019/2020 District Budget by allocating \$40,000 to the Water Capital Improvement Project (CIP) Fund from District Water Operating Reserve Funds.

Respectfully,

STEVEN W. APPEL, DPA, PE
General Manager

Attachment: Harper & Associates Engineering, Inc. Proposal dated July 16, 2019

Project Title: Goldenwest BPS Pipeline

Facility Type

Distribution Pipeline

Impacted Zone(s)

1238 PZ

Improvement Phase

Near-Term

2021 Cost Estimate

\$362,000

Project Location:

N of 60 freeway in between Avalon St and La Rue St

Purpose:

Replace undersized hydraulically deficient waterline

Project Type:

Replacement of Existing Facilities

Required When:

Goldenwest Booster Pump Station is replaced

Project Description:

This project will propose to abandon the 6-inch diameter piping on the discharge side of the Goldenwest BPS and replace the 4-inch and 6-inch piping within Montero Rd.

Project Details

- 1,200 total LF
- Upsize to 8-inch diameter
- PVC pipe material

Project Map



Project Title: Hunter 1 Tank

Facility Type

Storage Tank

Impacted Zone(s)

1238 PZ

Improvement Phase

Near-Term

2021 Cost Estimate

\$1,127,000

Project Location:

N of 60 freeway in between Avalon St and La Rue St

Purpose:

Replace existing Hunter 1 Tank (critical condition)

Project Type:

Replacement of Existing Development

Required When:

Near-term to address deficiencies in existing Hunter 1 Tank

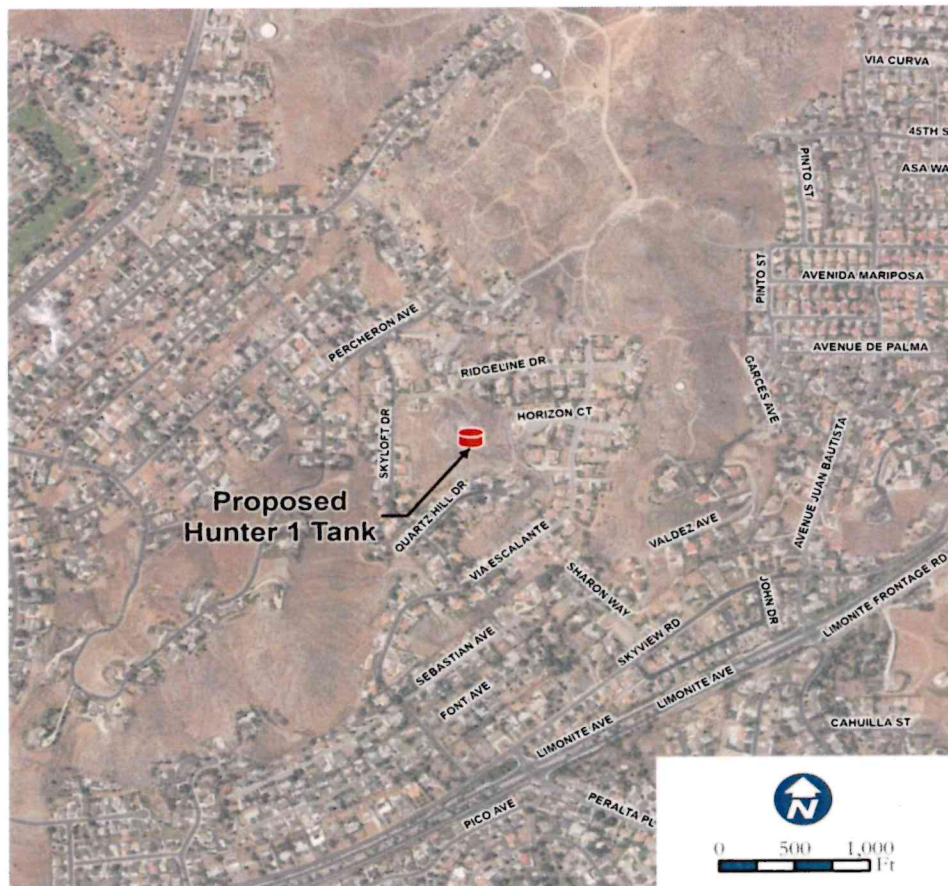
Project Description:

This project will provide 0.4 MG of storage within the Hunter Zone (1238) and replace the existing Hunter 1 tank which is to be decommissioned due to structural deficiencies.

Project Details

- Pad elevation 1,188 ft
- Located on same site
- 42 ft diameter

Project Map



Project Title: Hunter 2 Tank

Facility Type

Storage Tank

Impacted Zone(s)

1238 PZ

Improvement Phase

Long-Term

2021 Cost Estimate

\$1,242,000

Project Location:

N of 60 freeway in between Avalon St and La Rue St

Purpose:

Replace existing Hunter 2 Tank (low elevation)

Project Type:

New Development/Demand

Required When:

Increase in ADU demand for 1238 PZ

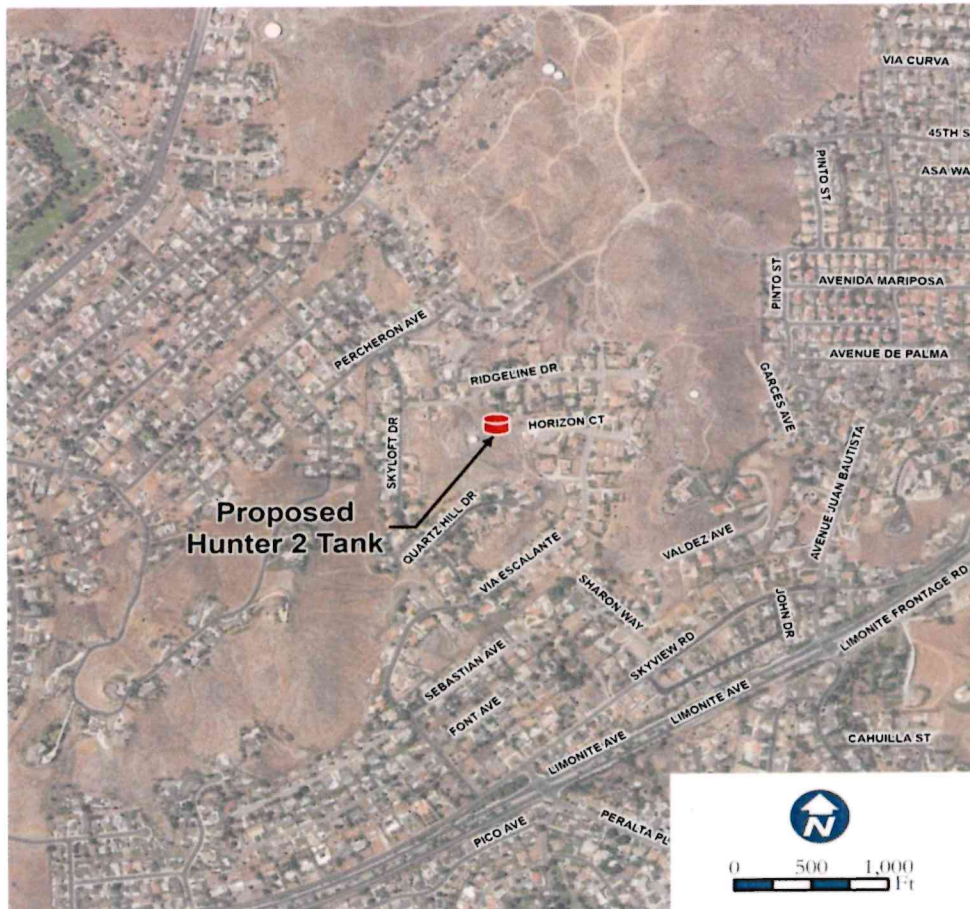
Project Description:

This project will provide 0.5 MG of storage within the Hunter Zone (1238) and replace the existing Hunter 2 tank which is currently offline due to low elevation and ineffectiveness.

Project Details

- Pad elevation 1,188 ft
- Located on Hunter 1 site
- 52 ft diameter

Project Map



Project Title: **Limonite Crossing**

Facility Type
Distribution Pipeline

Impacted Zone(s)
1066 PZ

Improvement Phase
Near-Term

2021 Cost Estimate \$100,000

Project Location: N of 60 freeway in between Avalon St and La Rue St

Purpose: Decrease flow velocities and increase downstream pressures during MDD

Project Type: Replacment of Existing Facilities

Required When: Goldenwest Booster Pump Station is replaced

Project Description:

This project will replace the undersized piping in Limonite Ave to help relieve hydraulic deficiencies within the Atkinson Zone (1066).

Project Details

- 250 total LF
- 12-inch diameter
- PVC pipe material

Project Map





HUNTER PRESSURE ZONE HYDRAULIC ANALYSIS

SEPTEMBER 2020



HUNTER PRESSURE ZONE

HYDRAULIC ANALYSIS

SEPTEMBER 2020



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Hunter Pressure Zone Hydraulic Analysis

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Appendix A Model Results

ABBREVIATIONS

AC	Acre
ac-ft/yr	Acre feet per year
ADD	Average Day Demand
BPS	Booster Pump Station
cfs	Cubic Feet Per Second
EDU	Equivalent Dwelling Unit
EPS	Extended Period Simulation
FF	Fire Flow
FS	Fixed Speed
ft	Foot
ft/sec	Feet per Second
GAC	Granulated Activated Carbon
GIS	Geographic Information System
GPD	Gallons per Day
GPS	Global Positioning System
GPM	Gallons per Minute
HGL	Hydraulic Grade Line
HP	Horsepower
HWL	High Water Level
Hwy	Highway
ID	Identification
IN	Inch
L.F.	Linear Feet
MDD	Maximum Day Demand
MG	Million Gallons
MHD	Minimum Hour Demand
mg/L	Milligrams per liter
MMD	Maximum Month Demand
NAVD	North American Vertical Datum
NGVD	National Geodetic Vertical Datum
PHD	Peak Hour Demand
PSI	Pounds Per Square Inch
SCADA	Supervisory Control and Data Acquisitions
USGS	United States Geological Surveys
WEBB	Albert A. Webb Associates

SECTION 1 - INTRODUCTION

1.1 BACKGROUND

Rubidoux Community Services District (RCSD or District) is located within the northeast corner of the City of Jurupa just north of the Santa Ana River as shown on **Figure 1-1**. The District utilizes groundwater sources to provide about 2.4 billion gallons of drinking water to about [number] of customers.

Currently, the District's water distribution system is divided up into three pressure zones (see **Figure 1-2**). These zones are the Atkinson Zone (1066 HGL), the Hunter Zone (1238 HGL), and the Ridgeline Zone (1258 HGL). This hydraulic analysis is focused on the Hunter Zone which is located on the west side of the District's water service area. The zone provides water service to existing residential developments and appears to be near build-out. Within the Hunter Zone, there are two water storage tanks, Hunter I and the Tony Perone Tanks located at opposite ends of the pressure zone; the Hunter II tank is no longer in service. The main source of supply for the zone is the Goldenwest Booster Station located near the southerly end of the zone. Water is distributed throughout the zone by one 12-inch diameter watermain that extends the length of the zone and several 8-inch diameter and smaller distribution waterlines. The Hunter Zone also supplies water to a hydropneumatics pump station for the Ridgeline Pressure Zone.

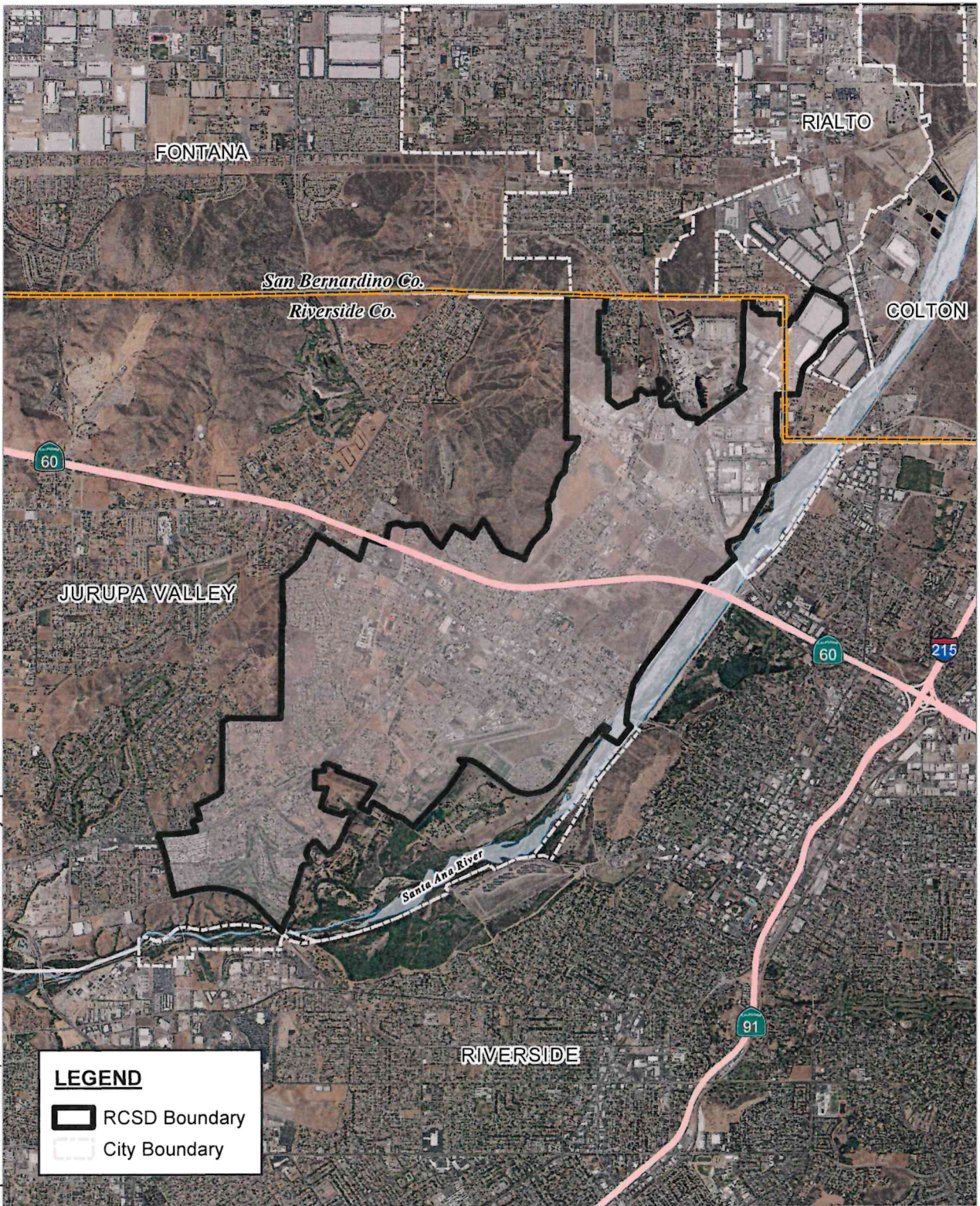
1.2 PURPOSE

A concern of the District is that the Hunter Zone may have insufficient capacity to demand and pressure requirements for the pressure zone in the event of a future tank shutdown required for typical routine tank maintenance. Recently the Hunter I tank was inspected by others and determined that the tank is in critical need of maintenance. This study will focus on the recommended improvements to allow the system to operate with adequate pressures in the event that either tank is taken off-line for maintenance:

1.3 SCOPE OF WORK

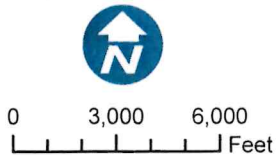
To accomplish the objective of this report, the scope of the study includes the following:

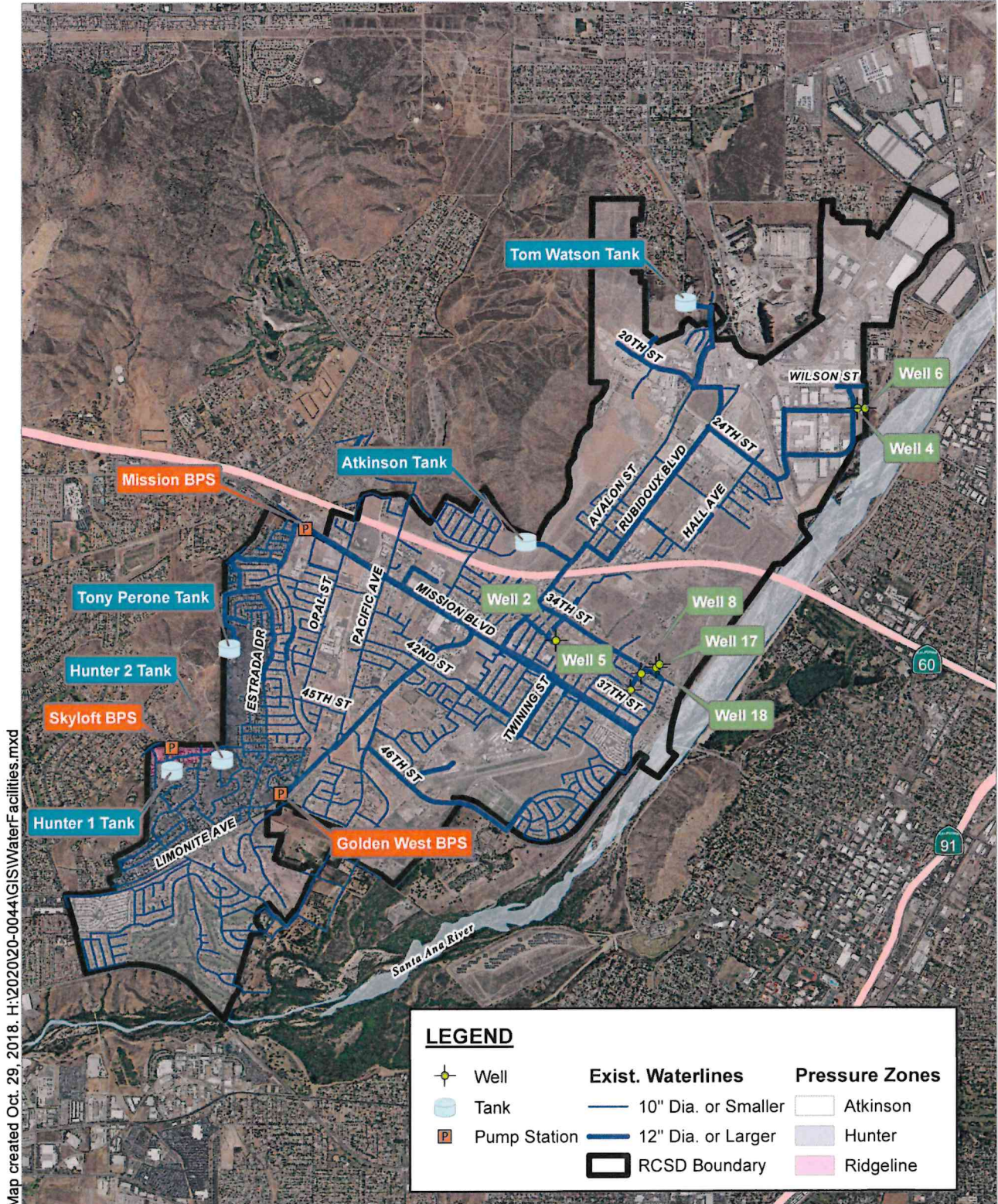
- ◆ Review District reference documents related to the hydraulic system
- ◆ Prepare run scenarios within the District's existing hydraulic model
- ◆ Conduct a hydraulic analysis of the Hunter Zone
- ◆ Identify hydraulic deficiencies and evaluate facility improvement alternatives
- ◆ Prepare a report summarizing the findings, conclusions, and recommendations



Sources: RCSD 2015; Riverside Co. GIS, 2018; USDA NAIP, 2016.

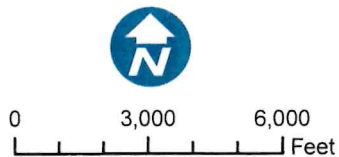
Figure 1-1 - Vicinity Map
Hunter Zone Analysis





Sources: RCSD 2015; Riverside Co. GIS, 2018; USDA NAIP, 2016.

Figure 1-2 - Water Facilities
Hunter Zone Analysis



SECTION 2 - EXISTING SYSTEM

The following section describes the criteria used to evaluate the Hunter Zone’s water distribution system. The District’s water schematic, detailing the entire hydraulic system, is available at the end of the section (**Figure 2-1**).

2.1 EXISTING DEMANDS

According to the RCSD Water Facilities Master Plan, published in 2015 by Krieger & Stewart Engineering Consultants, (master plan) RCSD’s max day demand (MDD) is equal to 2 times the average day demand (ADD) and peak hour demand (PHD) (labeled as MHD within the master plan) is equal to 4 times the ADD. The District’s standard demand multipliers utilized in this analysis are shown below:

Maximum Day Demand = 2 x ADD	Peak Hour Demand = 4 x ADD
------------------------------	----------------------------

It was assumed that the demands already provided in the model were the existing average day demands for the District’s distribution system. The model was last ran in 2011 and reads ADD slightly higher than the last recorded water production data from 2010¹. **Table 2-1** compares the District’s model generated ADD to MDD and PHD, using the demand factors detailed above.

Table 2-1 Estimated Water Demands by Pressure Zone

Pressure Zone Name	ADD (gpd)	MDD (gpd)	PHD (gpd)
Atkinson Zone (1066)	4,988,261	9,976,522	19,953,044
Hunter Zone (1238)	668,290	1,336,580	2,673,160
Ridgeline Zone (1258)	34,344	68,688	137,376
Total	5,690,895	11,381,790	22,763,580

2.2 WATER STORAGE TANKS/RESERVOIRS

RCSD currently has a total of five water reservoirs dispersed throughout the District’s system. All but one, Hunter Tank 2, are currently in service with a total nominal storage capacity of nearly 10 MG. Both the Atkinson Zone and Hunter Zone float off their respected reservoirs. The Ridgeline Zone is a closed pressure zone that is regulated by a hydropneumatic system. Provided in the following table is a list of existing tanks/reservoirs serving RCSD.

¹ 2015 RCSD Master Plan page II-7 2010 annual water production 5.3 MGD

Hunter Pressure Zone Hydraulic Analysis

Table 2-2 Existing Storage Capacity

Tank Name	Pressure Zone	HWL (ft)	Dia. (ft)	Nominal ⁽¹⁾ Capacity (MG)	Floor Elevation ⁽²⁾ (ft)
Hunter 1	1238	1238	42.5	0.4	1,188.0
Hunter 2 ⁽³⁾	1238	1217	52	0.5	1,173.0
Tony Perone	1238	1238	73	1.0	1,192.0
Atkinson	1066	1066	90	2.0	1,015.0
Tom Watson	1066	1066	116	3.0	1,024.0
Total:				6.9	

¹ Nominal tank capacity is calculated using the height to tank overflow

² Elevation from imported model

³ Offline Tank

2.3 PUMP STATIONS

The District’s inventory of pumping facilities include two booster pump stations that provide flow from the Atkinson Zone to the Hunter Zone. These pump stations contain three total pumps with a maximum operating flow rate of 2,700 gpm. One of the pumps, Goldenwest – 2, is currently offline due to fragile piping. **Table 2-3** provides further details on each pump.

Table 2-3 Existing Pump Stations

Pump	Suction Pressure Zone	Discharge Pressure Zone	Discharge Pressure (psi)	Horse Power	Flow (gpm)	Efficiency ⁽²⁾ (%)
Goldenwest-1	1066	1238	130	100	500	76.9
Goldenwest-2 ⁽¹⁾			122	50	1,500	65.1
Mission-1	1066	1238	173	60	700	61.5
Grand Total					2,700	

¹ Offline

² Based on 2015 RCSD Water Facilities Master Plan (2015)

2.4 WELLS

RCSD is currently equipped with seven wells that supply the Atkinson Zone. Presently, Well 5 is strictly an emergency pump and Well 18 is offline. The supply system has the potential to produce roughly 9,950 gpm when all wells are at maximum operating capacity as shown in **Table 2-4**.

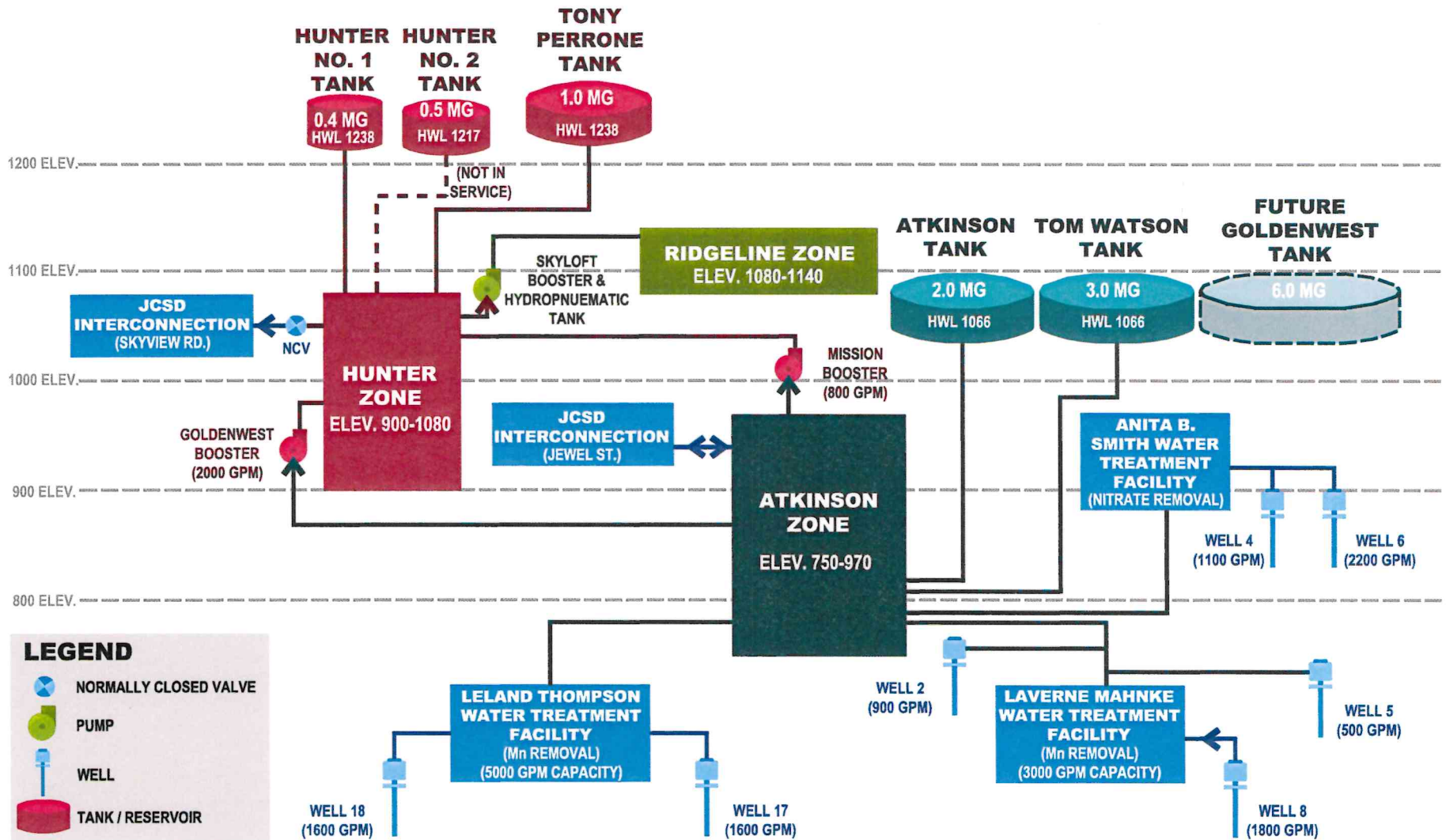
Hunter Pressure Zone Hydraulic Analysis

Table 2-4 Existing Wells

Pump	Suction Pressure Zone	Discharge Pressure Zone	Discharge Pressure (psi)	Horse Power	Flow (gpm)	Efficiency ⁽²⁾ (%)
Goldenwest-1	1066	1238	130	100	500	76.9
Goldenwest-2 ⁽¹⁾			122	50	1,500	65.1
Mission-1	1066	1238	173	60	700	61.5
Grand Total					2,700	

¹ Offline

² Based on 2015 RCSD Water Facilities Master Plan (2015)



SECTION 3 - ANALYSIS CRITERIA

Analysis criteria used for evaluating the adequacy of the existing water facilities as part of this study were based on the Master Plan analysis criteria.

3.1 DISTRIBUTION SYSTEM

The pipeline system shall be designed to provide adequate pressures during high demand conditions as well as during fire events. With minimum pressures no lower to 41 psi and maximum capped at 147 psi. Where possible each pressure zone should be provided with at least two sources of supply.

To maintain adequate service pressures and reduce energy consumption when supply is provided by pumping, flow velocities should be limited. During normal operating conditions velocities should be limited to 5 fps. For MDD plus fire conditions velocities should be limited to 10 fps.

In residential areas a minimum pipe diameter shall be 8-inch. In commercial and industrial areas, pipe diameter shall be 12-inch. However, in all development areas pipe sizing shall be adequate to provide required service pressures and fire flow. A conservative Hazen-Williams "C" factor of 120 shall be used for all new pipe to account for various head.

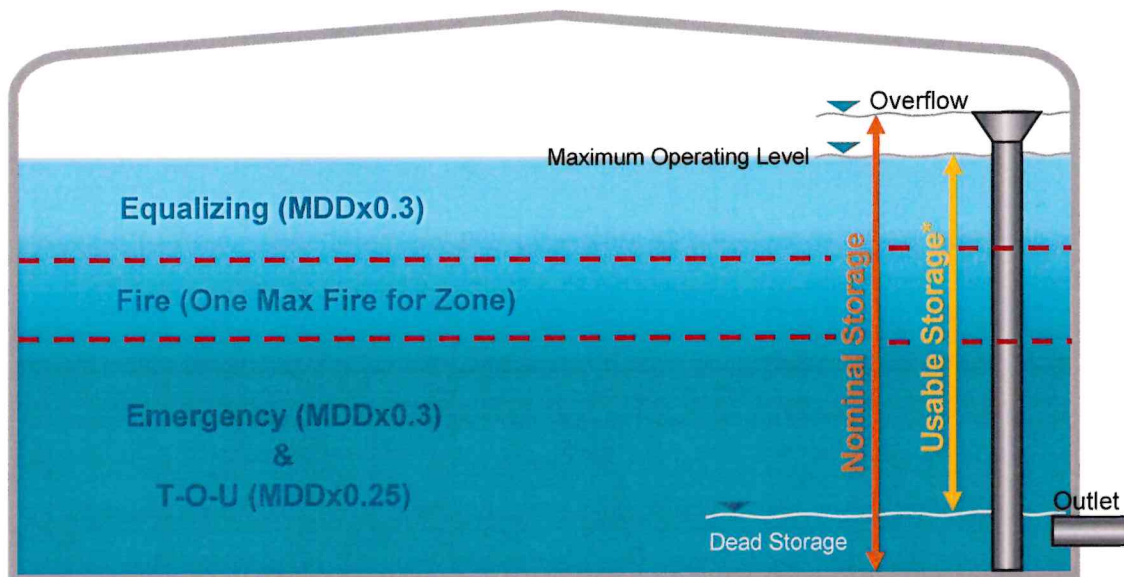
3.2 PEAKING FACTOR

Peaking factors are used for estimating demands used for analysis and sizing of the water facilities described in this Master Plan. These peaking factors are based on the ratios between ADD, MDD, and PHD. The unit demand factors established for this analysis are as followed.

- ◆ Maximum Day Demand = 2.0 X Average Day Demand
- ◆ Peak Hour Demand = 4.0 X Average Day Demand

3.3 TREATED WATER STORAGE

Storage requirements are based on the summation of four components. Equalizing, Emergency, Fire, and Time-of-Use storage.



*Usable storage was assumed to be 80 percent of Nominal Storage

Figure 3-1 Storage Volume

3.3.1 Equalizing Storage

Operational or equalization storage is used for peak demands which is defined as any demands greater than the MDD, other than a fire flow demand. These peak demands are typically short term but can take place more than once a day. The benefit of operational storage is the pumps do not have to meet these peak demands. For analysis and design purposes, an operational storage requirement of twenty-five (30) percent of the MDD was assumed.

3.3.2 Fire Storage

A fire event can have a large impact on the water system especially near the outer edges of the pipe network. The fire storage requirement varies depending on the type of land use and building structures within the pressure zone (PZ) served by the existing or proposed tanks. The minimum fire flow requirements is determined by the fire protection agency servicing the area. The fire storage is based on the volume of water needed to meet the maximum fire flow demand and duration within the zone(s) being served. For this analysis, the Hunter Zone was applied a 1,500 gpm fire for 2 hours and the Atkinson Zone a 5,000 gpm fire for 2 hours.

3.3.3 Emergency Storage

Emergency storage capacity is needed to sustain the water demands during periods of total or partial shutdown of the water supply facilities critical for the operation or distribution of water. Thirty (30) percent of MDD was used to calculate emergency storage for RCSD.

3.3.4 Time-Of-Use Storage

Time-Of-Use (TOU) Storage, which is necessary to maintain service to customers during peak power periods when pumping stations are shut down in compliance with TOU operating schedules. TOU storage is assumed to equal twenty five (25) percent of MDD.

SECTION 4 - HYDRAULIC ANALYSIS & RESULTS

4.1 MODEL DEVELOPMENT

WEBB utilized the Master Plan hydraulic model developed by Krieger & Stewart in 2011 as the base model. However, several modifications and upgrades were needed based on findings made by WEBB and discussions with Operations staff. A copy of the District's GIS database was provided to WEBB and included much of the critical information needed to refine the hydraulic model. The GIS data included geographic locations, the size of water facilities, and material descriptions. This GIS data was paired with other sources of information as part of the data gathering and researching phase of the model development. Some of these other sources of information included data elevation models, pump curves, efficiency tests, control settings, and Supervisory Control and Data Acquisition (SCADA) records.

Over the past decade, existing facilities may naturally change, while proposed facilities may materialize. The District's Water Atlas Book, published in 2015, was used to spot check and confirm the location of various water related points of interest. From this data, a hydraulic model of existing and proposed facilities was developed within ArcGIS Pro™ utilizing Innowyze's® InfoWaterPro® software version 2.0. The model was built to scale on the NAD 1983 State Plane VI coordinate system.

4.1.1 Elevation Crosscheck

Each model node requires an elevation as a model input. Elevations were already applied to the system nodes from the previous model, but due to the age of the model a crosscheck was performed to verify the accuracy of the existing readings. The most recently available data elevation model raster set was downloaded off the USGS website archive¹, providing a surface layer to apply to points of interest in the model. For the purpose of this exercise all modeled wells, throughout the service area, were analyzed and resulted in only a few feet of error which equates to about ± 2 psi for the model which is within the margin of error expected for model results. Provided in the following table are the results of the elevation analysis.

¹ Elevations from raster image downloaded from USGS.com on 8/21/2019, file name: USGS_NED_13_n35w118_ArcGrid, converted meters to feet

Hunter Pressure Zone Hydraulic Analysis

Table 4-1 Elevation Crosscheck

Well Name	Model Elevation (ft)	DEM Elevation (ft)	Elevation Difference (ft)
Well 1A	782	785.55	3.54
Well 2	776	778.62	2.62
Well 4	880	881.60	1.60
Well 5	773	779.46	6.46
Well 6	880	880.74	0.74
Well 8	782	785.92	3.92
Well 18	782	786.73	4.73
Avg. Elevation Difference			3.37

4.1.2 Diameter Crosscheck

Once the model was imported and loaded, distribution pipeline line sizes were either updated or confirmed from the District's Water Atlas Book (2015). Diameter sizes of essential lines were further refined by the District operations staff in a live model presentation with WEBB.

4.1.3 Pressure Zone Boundary

A total of three existing pressure zones were established throughout the service area. Zone identification numbers were based on estimate hydraulic grade line elevation and were assigned to model elements to help with filtering data for analysis. Several modifications to the pressure zone boundaries were required for an Extended Period Simulation (EPS) analysis and to accurately represent the hydraulic system within the Hunter Zone as well.

4.1.4 Diurnal Pattern

No diurnal pattern was provided by the District for the use of the (EPS) analysis. Therefore, as indicated in the project proposal, Eastern Municipal Water District's (EMWD) diurnal pattern was used. EMWD's diurnal pattern is very similar to Jurupa Community Services District as analyzed by WEBB as part to the development of their Water Master Plan. These diurnal patterns are expected to be very similar to what would be expected for RCSD. Provided in the following table is the diurnal pattern used for the analysis.

Hunter Pressure Zone Hydraulic Analysis

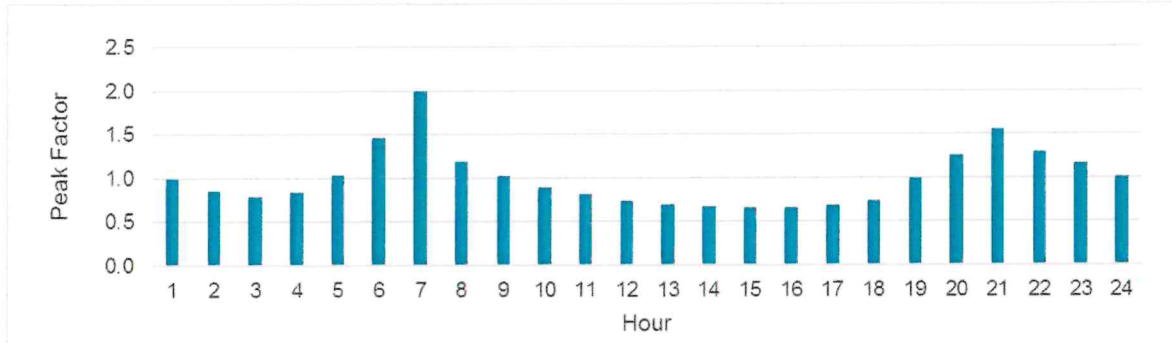


Figure 4-1 EMWD’s Diurnal Pattern used for RCSD

4.1.5 Scenario Development

Scenarios were determined and structured based on the scope of the project. An initial BASE scenario was created and ran to simulate the existing system year 2020, with Hunter I Tank online and all pumps operating as reported by the District. Once the BASE scenario was finalized and approved to meet existing max day demands, the EPS scenario was created using all existing pipes and connecting nodes with the Hunter Tank I and II offline. This scenario was then analyzed with multiple scenarios to determine effective methods to maintain water supply and to meet Hunter Zone demands.

4.2 MODEL RESULTS

4.2.1 Scenario 1

Per the District’s preference, Scenario 1 was analyzed at existing MDD with both Goldenwest pumps turn off and the Hunter I tank off-line. The reasoning behind turning off the Goldenwest Booster Pump Station (BPS) is based on its current control settings being tied to water levels at the Hunter I tank. Existing MDD’s in the Hunter Zone and the Ridgeline sub zone (976 gpm) exceed the pumping capabilities of the Mission BPS (700 gpm). Therefore, as indicated in the scenario results found in **Appendix A**, the Tony Perrone Tank levels drain without recovery which leads to system minimum pressures not being met.

4.2.2 Scenario 2

To increase supply to the Hunter Zone, a second MDD scenario was analyzed, this time including the Goldenwest 500 gpm pump. Design pressures were met, without any outstanding pipeline velocities. Mission-1 pump and Goldenwest-1 pump operated within their design flow rate and all system storage tanks maintained acceptable water levels throughout the EPS. Consequentially, the neighboring Atkinson Zone was producing low pressure readings in the southwest corner west corner of the service area as seen in **Appendix A**. The District was notified of the low pressures and is looking into potential issues.

4.2.3 Fire Flow Test

A fire flow scenario of 1,500 gpm for 2 hours, per the District master water plan, was performed to simulate the event of a fire in the Hunter Zone. The fire flow demand was placed at a worst case scenario location - a dead end point in the system with relatively high elevation. **Appendix A** displays the results, showing the only potential issue being pressures dropping to around 15 psi at a nearby junction. Local velocities remain below 10 fps as required by the District Design Manual (2005)¹. The District should keep in mind this fire flow test was ran during MDD, essentially the worst day of the year so results are conservative. Nonetheless, the Hunter I Tank reconstruction should be completed before peak demand season begins (June-August) to ensure adequate supply in case of a fire emergency.

4.2.4 Storage Capacity by Zone

As previously stated, initially, the base EPS scenario was ran on the District’s system, with all pumps activated at the Goldenwest BPS and Mission BPS with Hunter I Tank online. MDD values were recorded at each junction and organized by pressure zone boundaries. As see in **Table 4-2**, there is a lack of storage capacity throughout the whole system of roughly 5.6 MG. According to the Master Plan, an additional 6.0 MG will be available ultimately with the commissioned Goldenwest Reservoir.

Table 4-2 Storage Capacity Analysis

Tank Name	Pressure Zones	Required Storage Calculation (MG)					Total Usable Storage ⁽²⁾	Deficit	Adequate Storage
		Equalization Storage	Fire Flow	Emergency	Time of Use	Total Storage			
Atkinson	1066	2.99	0.60	3.29	2.49	9.38	4.00	5.38	No
Tom Watson									
Hunter 1	1238 ⁽¹⁾	0.42	0.18	0.46	0.35	1.42	1.12	0.30	No
Tony Perrone									
Total System						10.80	5.12		No

⁽¹⁾ MDD includes Ridgeline Zone (1258) demands

⁽²⁾ Assumed storage is 0.8 of nominal storage

Scenario1 and 2, with Hunter I Tank offline, will temporarily increase the storage deficiency by another 0.3 MG.

4.2.5 Pumping Capacity by Zone

Pump stations nominal flow capacity was evaluated to determine if each of the existing pump stations could meet the estimated MDD with the largest pump out of service, known as a firm scenario. In the District’s case, after speaking with the operations staff, WEBB was instructed to turn off specific pumps for this hydraulic analysis. The results of this analysis are provided in the following table.

¹ RCSD Design Manual 2005 pg. IV-2

Hunter Pressure Zone Hydraulic Analysis

Table 4-3 Pump Capacity Analysis

Pressure Zone	Scenario	Pumping Required (gpm)	Pumping Available (gpm)	Stand-By Pumps	Adequate Capacity
1066	MDD w/ Firm	6,960	7,850	Well 18 & Well 5	Yes
1238 ⁽¹⁾	MDD w/ Firm	1,125	1,200	Golden West - 2	Yes

⁽¹⁾ MDD includes Ridgeline Zone (1258) demands

4.2.6 Distribution System

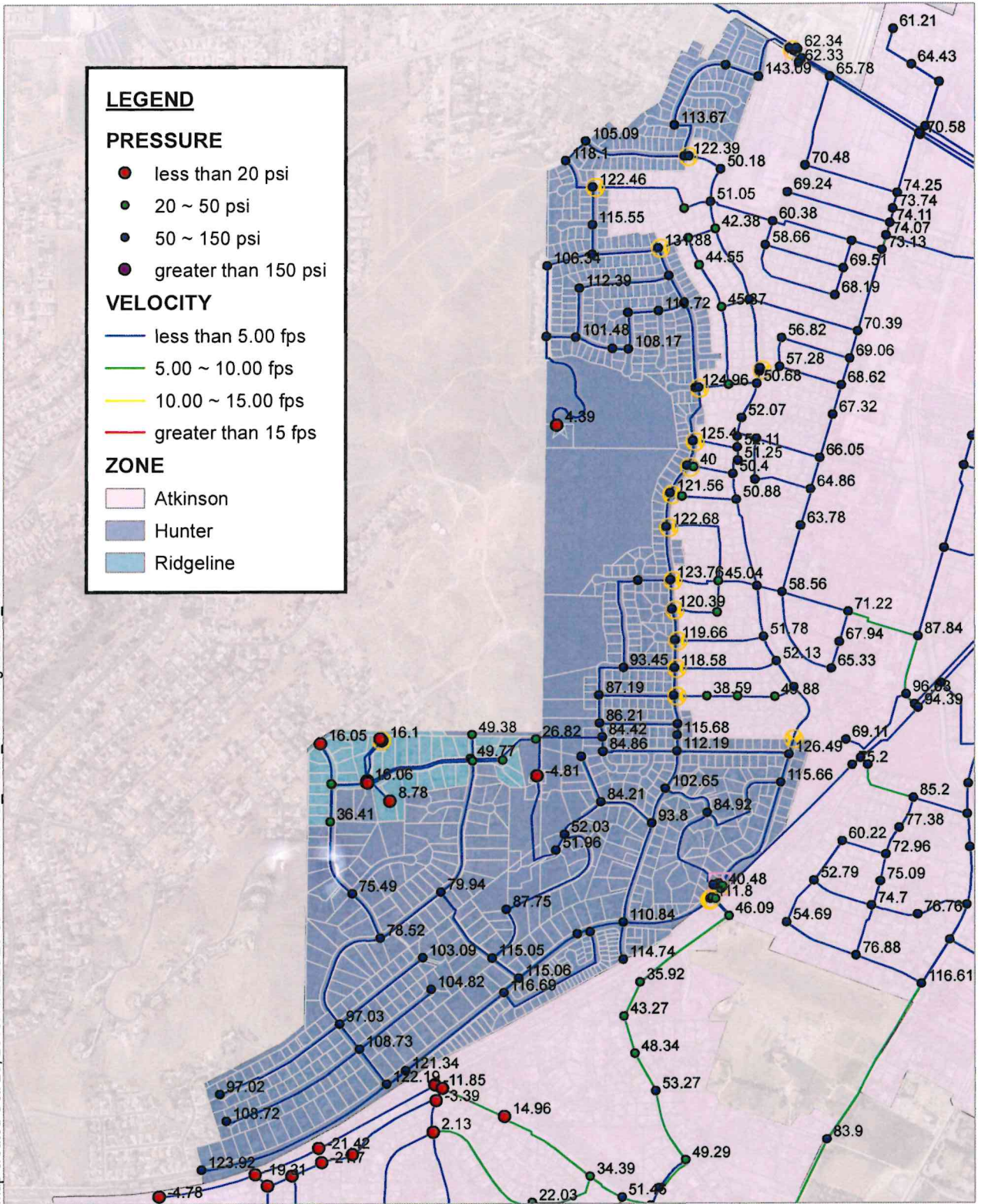
System Pressures

At peak hour, pressure readings throughout the Hunter Zone met the required analysis criteria of a minimum of 40 psi, omitting the model nodes connected to the Tony Tank and decommissioned Hunter I Tank, as seen in **Figure 4-2**. Low pressure model results within the Ridgeline Zone are not applicable as the hydropneumatic system has not been modeled and it was assumed that it is currently capable of maintaining proper system pressures for that zone.

System Velocity

At peak hour, pipeline velocities were reported adequate, running no more than 5.0 fps throughout the entire Hunter Zone. A few distribution pipelines stemming from the Goldenwest BPS in the Atkinson Zone resulted in higher velocities. The results can be seen on **Figure 4-2**.

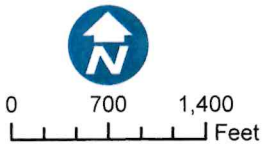
Map created Oct. 29, 2018. H:\202020-0044\Model\RCS_D_Water_Model-August2020_v5.mxd



Sources: RCS D 2015; Riverside Co. GIS, 2018; USDA NAIP, 2016.

Figure 4-2 - Hunter Zone Dist. System

MDD Run @ Peak Hour
ALBERT A.



Scenario: Hunter 1 Tank OFF & Goldenwest Pump (1500 gpm) OFF & Goldenwest Pump (500 gpm) ON



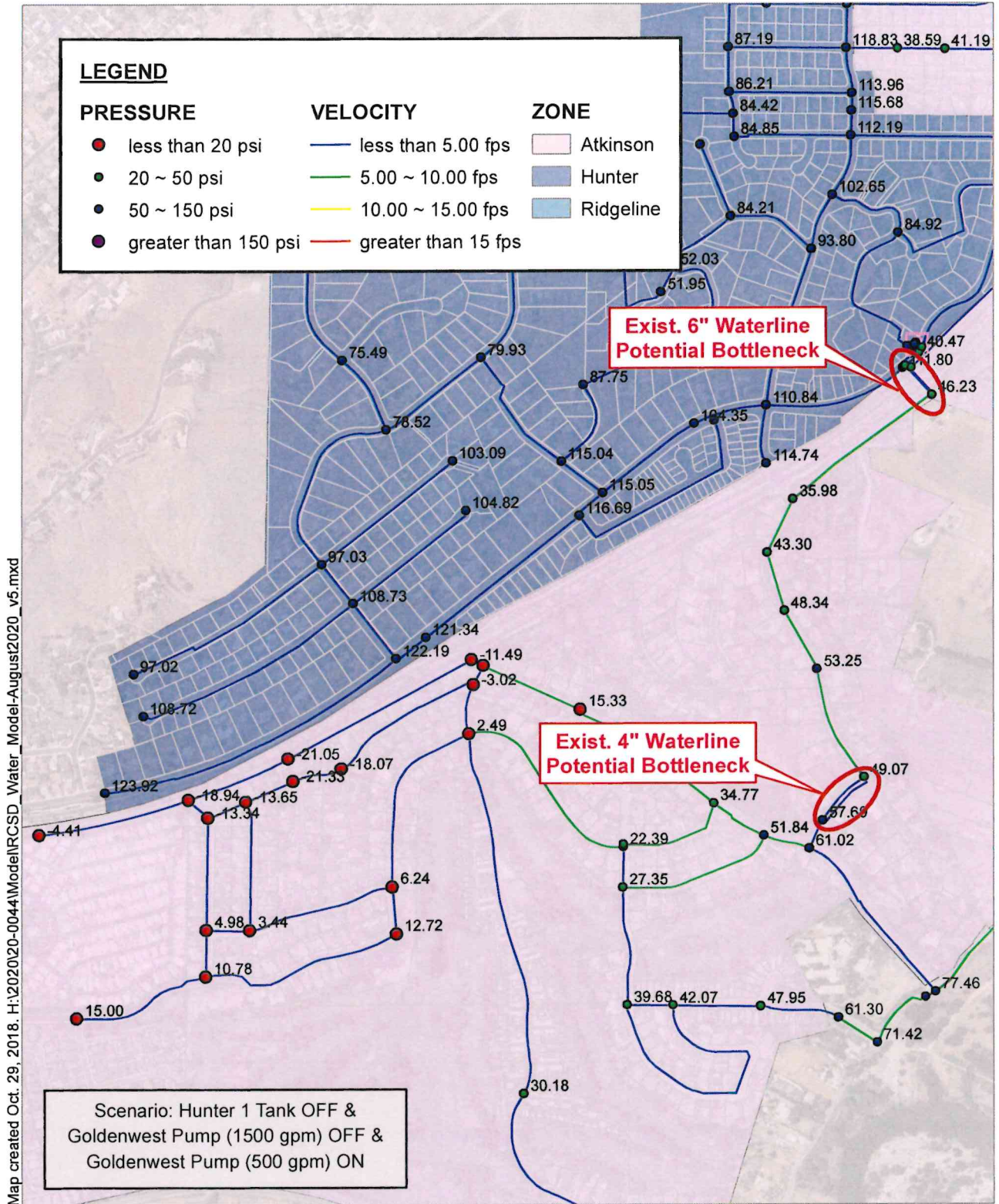
4.3 PROPOSED IMPROVEMENTS

It is critical that the District research the control setting capabilities of the Goldenwest booster pump station. Rerouting its control setting from Hunter I Tank to replenishing the Tony Perrone Tank will provide adequate hydraulic support to the Hunter Zone and the Ridgeline sub zone. Without the Goldenwest BPS, the Mission BPS will have insufficient pumping capacity to meet the MDD's in the upper two pressure zones while the Hunter I Tank is out of service.

4.3.1 *Potential Considerations*

While analyzing the impacts to the Hunter Zone while the Hunter I Tank is out of service, WEBB observed potential system deficiencies within the Atkinson Zone that should be further analyzed in future studies.

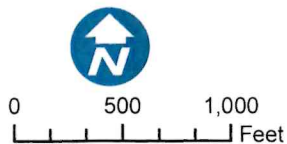
Substandard minimum pressures and high velocities were observed in the southwest corner of the Atkinson Zone during existing peak hour demand conditions in the model (see model results provided in **Figure 4-3**). It appears that there are a few undersized waterlines between the supply source and the demands in the southwest corner of the Atkinson Zone which causes a bottleneck. These areas of concern have been brought to the attention of the Operation staff and pipe diameter and pressures are being verified. Further hydraulic analysis of this area should be considered by the District.



Sources: RCS 2015; Riverside Co. GIS, 2018; USDA NAIP, 2016.

Figure 4-3 - Potential Improvements

MDD + Run @ Peak Hour



SECTION 5 - RECOMMENDATIONS AND CONCLUSIONS

WEBB was tasked to conduct a hydraulic analysis on the Hunter Pressure Zone, identify hydraulic deficiencies and evaluate facility improvement alternatives assuming the outdated Hunter I Tank to be offline.

5.1 FINDINGS

After modifying the Master Plan model, two scenarios with MDD were analyzed. Scenario 1 involved Hunter I Tank and both Goldenwest pumps offline. The Hunter Zone experienced negative pressures throughout the system, breached flow capacity at pumps, and depleted reservoir levels.

For Scenario 2, the model was altered by turning on the smaller of the two pumps at Goldenwest BPS. Once functioning, maximum supply and demand needs were met with hydraulic issues mitigated.

In addition, it is to be noted that currently the District's system does not have the storage capacity to meet the District's storage volume requirements. The proposed 6.0 MG Goldenwest Tank will resolve the lack of capacity with less than 0.5 MG to spare.

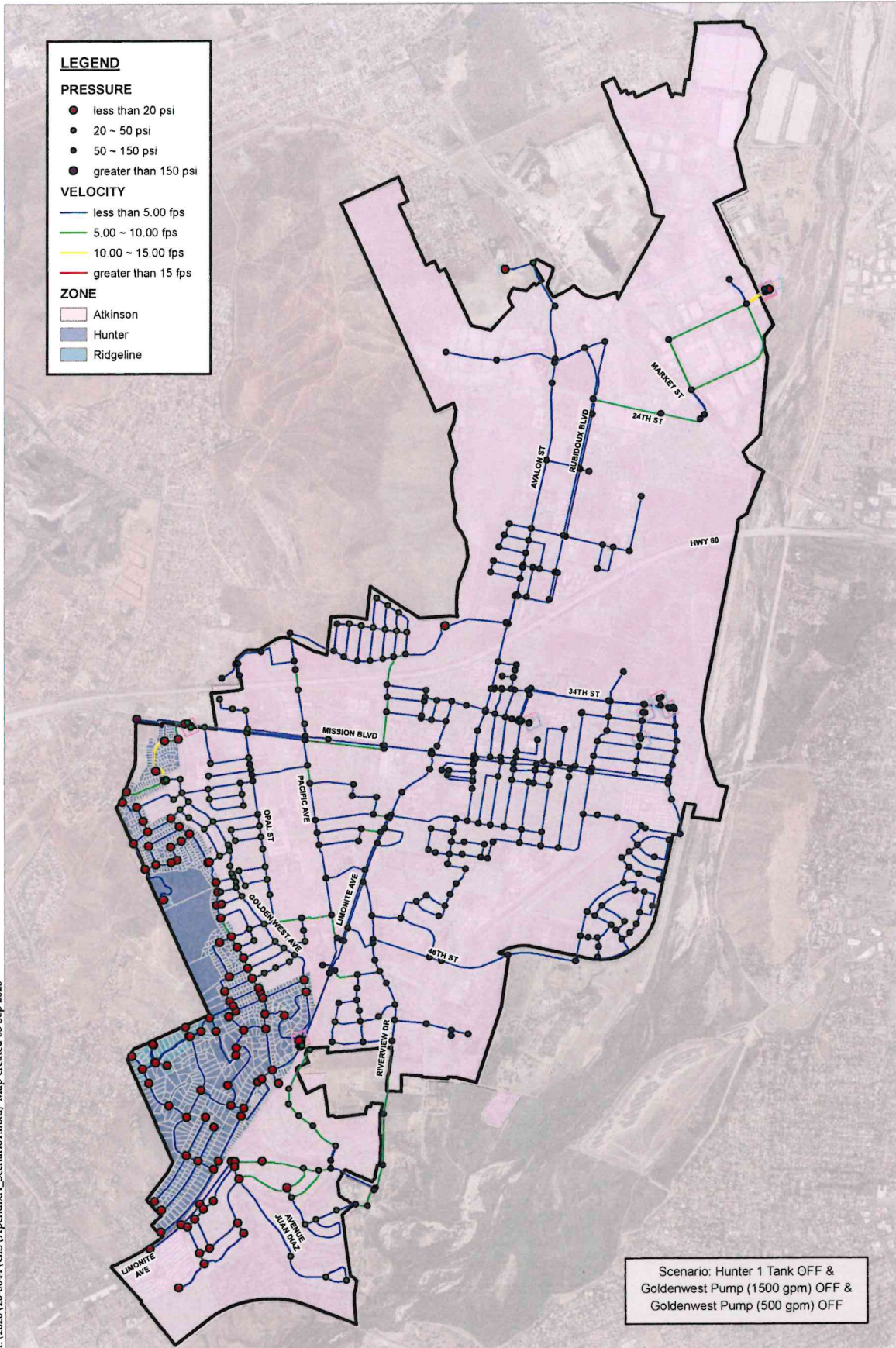
5.2 RECOMMENDATIONS

To improve overall hydraulic efficiency while the Hunter I Tank is temporarily out of service, WEBB recommends modifying the SCADA control settings at the Goldenwest BPS to be operated by the Tony Perrone Tank levels. If modifications to the SCADA control setting at this pump station are not economically feasible then another option should be explored to use manually set control timers to insure that MDD's can be met between the two pump station supplying the upper two zone.

Furthermore, WEBB recommends that the District continue to verify pressures and pipe diameters in the southwest portion of the Atkinson Zone as District standards for pressure and velocities were not met in some of the hydraulic results prepared for this study. These deficiencies should be further explored in future studies and recommendations for alternative improvements should be provided as necessary.

Appendix A

Model Results



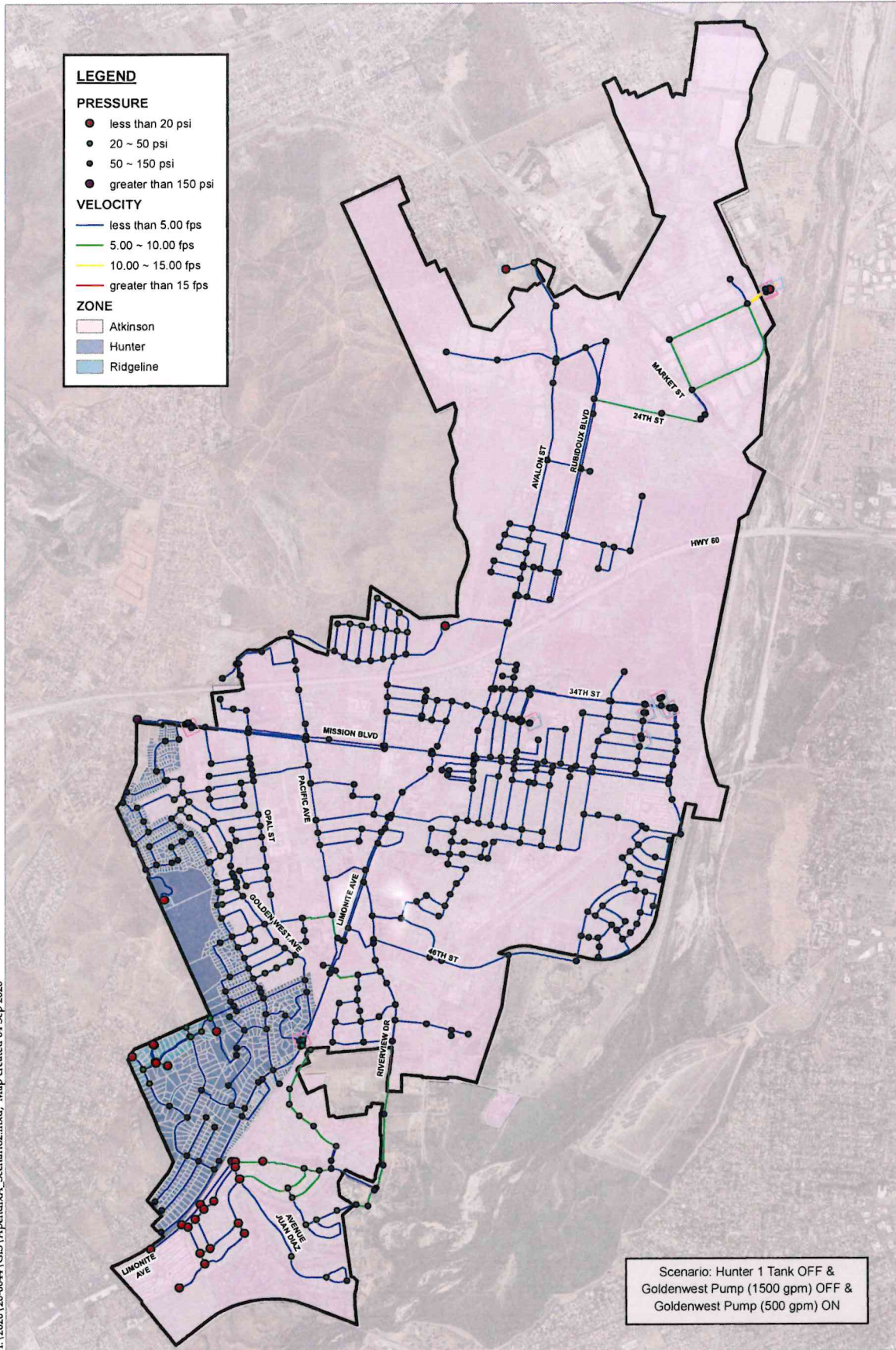
H:\2020\20-0044\GIS\Appendix_A_Scenario1.mxd; Map created 03 Sep 2020

Sources: Riverside Co. GIS, 2020; USDA NAIP, 2016.



Appendix A - Scenario 1 Results
MDD Run @ Peak Hour





H:\2020\20-0044\GIS\AppendixA_Scenario2.mxd; Map created 04 Sep 2020

Sources: Riverside Co. GIS, 2020;
USDA NAIP, 2016.

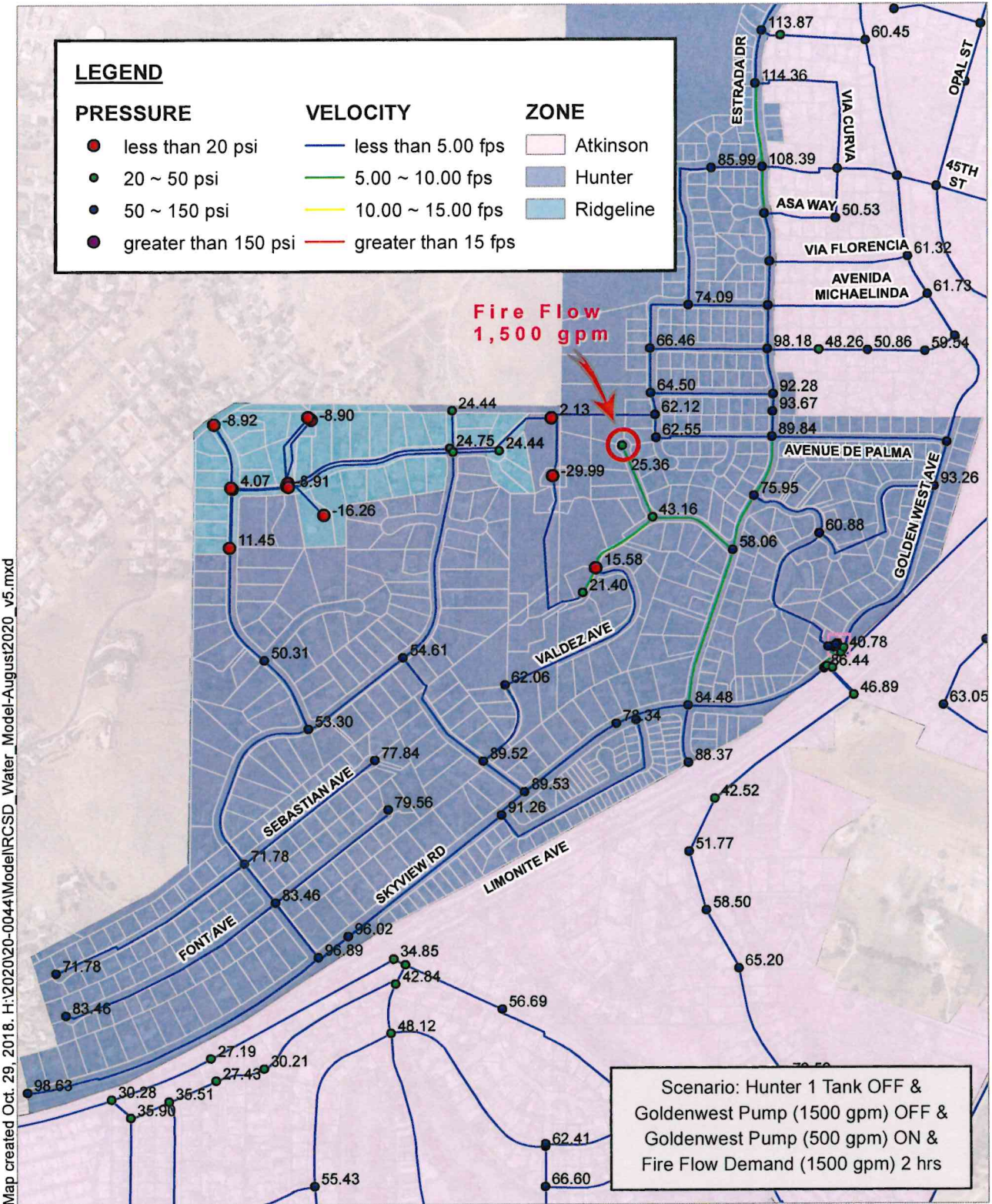


Scenario: Hunter 1 Tank OFF &
Goldenwest Pump (1500 gpm) OFF &
Goldenwest Pump (500 gpm) ON

Appendix A - Scenario 2 Results

MDD Run @ Peak Hour



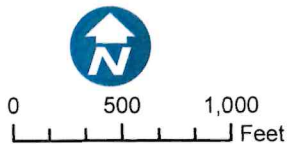


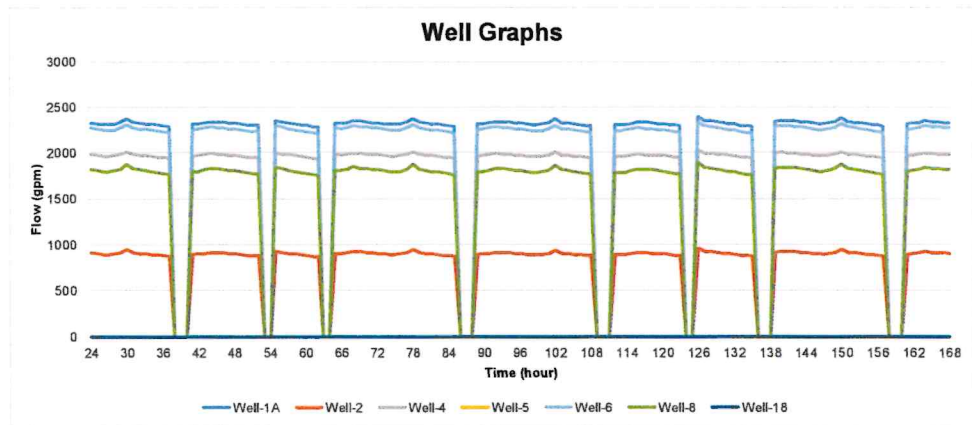
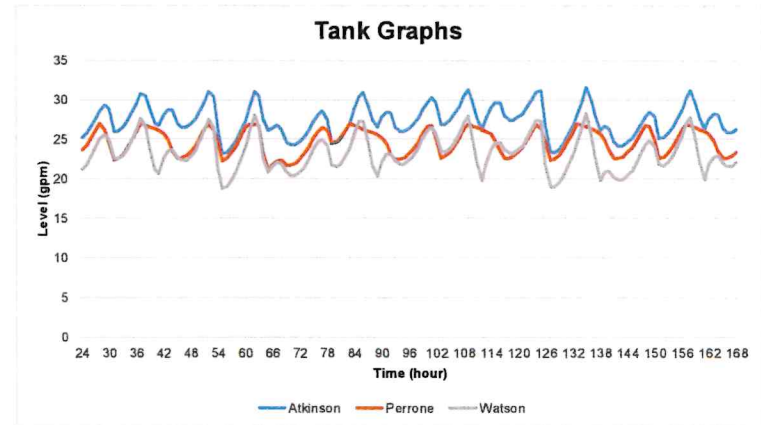
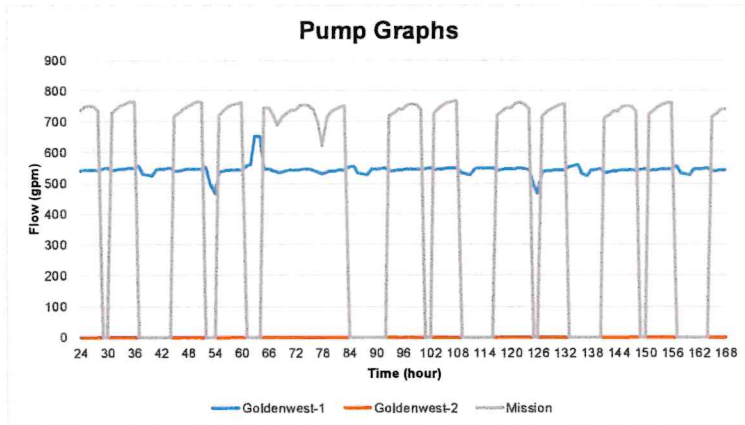
Map created Oct. 29, 2018. H:\2020\20-0044\Model\RCSD_Water_Model-August2020_v5.mxd

Sources: RCSD 2015; Riverside Co. GIS, 2018; USDA NAIP, 2016.

Appendix A - Fire Flow Test

MDD + FF Demand





Appendix A - Water Facility Output Graphs

MDD Run

Scenario: Hunter 1 Tank OFF &
Goldenwest Pump (1500 gpm) OFF &
Goldenwest Pump (500 gpm) ON

14. Consider Purchase of Continuous Mn Analyzer: **DM 2023-38**

Rubidoux Community Services District

Board of Directors

Bernard Murphy, President
John Skerbelis, Vice-President
Armando Muniz
F. Forest Trowbridge
Hank Trueba Jr.



General Manager

Brian R. Laddusaw

Water Resource Management Refuse Collection Street Lights Fire / Emergency Services Weed Abatement

DIRECTORS MEMORANDUM 2023-38

April 6, 2023

To: Rubidoux Community Services District
Board of Directors

Subject: Consider Purchase of Continuous Mn Analyzer

BACKGROUND:

Rubidoux Community Services District ("District") has two wells which treat for manganese removal, Well 1A and 18. Three filter vessels at the Leland Thompson Water Treatment Plant ("Thompson Plant") remove manganese from Wells 1A and 18. Manganese is a mineral found in groundwater. It has a secondary maximum contaminant level ("MCL") of 50 parts per billion ("ppb"). Manganese can cause a blackish or purple hue in water and can stain sinks, tubs, toilets, and laundry.

In April 2022, the District and Jurupa Community Services District ("JCSD") entered into Amendment No. 1 to an operating agreement previously established by the two agencies in 2014 to "provide for the flow of potable water from either party's retail water system". The purpose of Amendment No. 1 was mostly to set a wholesale water rate the two agencies would charge each other during times of water purchases. Since the effective date of Amendment No. 1, RCSD has only sold water to JCSD. In 2022, water sales to JCSD were halted due to manganese in the filter at Jewel St. Booster. This, coupled with lower water demand in the winter months, the Jewel St. Booster has been off since late 2022. JCSD is getting ready to begin buying water from the District again and they have requested the District address the manganese issue prevalent at the Jewel St. Booster. To help mitigate this issue, the District can install a continuous manganese monitor for the Thompson Plant. This will ensure water flowing through the distribution system originating from the Thompson Plant and eventually making its way to the Jewel St. Booster remains under the manganese notification limit. The District's Spring 2023 Annual Consumer Confidence Report shows in 2022, out of fourteen samples taken for manganese, two samples exceeded the secondary MCL of 50 ppb.

The State Water Board's Division of Drinking Water is proposing a revision of the notification level of 20 ppb and a response level of 200 ppb for manganese (attached). The current manganese notification level is 500 ppb and 5,000 ppb for the response level.

Sampling at the District for manganese occurs monthly and results are received within a few weeks. Backwashing of the manganese filter vessels occur once every 24 hours. A continuous manganese monitoring analyzer will ensure the District stays in compliance with the levels set by the DDW. It will provide staff with accurate, real-time information, which will determine when to backwash the filter vessels. Even absent water sales to JCSD, a continuous manganese analyzer at the Thompson Plant is a prudent and beneficial asset purchase.

The District sells water to JCSD at \$600/acre foot. Prior to JCSD halting water purchases, from April 2022 to December 2022, the District sold 1,481.781 acre feet of water, which equates to \$889,068.60. Maintaining these sales to JCSD is financially beneficial to the District.

The purchase of a continuous manganese analyzer was not considered during the FY 22|23 budgeting process and thus is not included in the current fiscal year budget. The District received a quote from Hach, a recurring vendor for the District, for a continuous manganese analyzer (attached). Including tax and freight, the total cost of the analyzer is approximately \$42,500. Additionally, once received, the analyzer would need to be wired and connected to the District's SCADA system by the District's electrical vendor, Center Electric. The quote to perform this work is approximately \$5,000 (attached). In total, the cost of procuring, shipping, installing, and connecting the analyzer is approximately \$47,500. Staff recommends the Board of Directors consider amending the FY 22|23 Water Fund Budget Asset Acquisitions to include the total cost of the continuous manganese analyzer for an amount equal to \$50,000 which includes a \$2,500 contingency for any unforeseen costs associated with the purchase. As of the writing of this Director's Memorandum, the District has approximately \$3.184 million in its Water Fund Operating Reserve cash account, which is more than sufficient to cover the cost of this asset.

RECOMMENDATION:

Staff recommends the Board of Directors authorize the General Manager to:

1. Accept the quotes from Hach and Center Electric for the purchase and installation of the continuous manganese analyzer.
2. Issue a Purchase Order to Hach and Center Electric in the amount equal to their proposals.
3. Amend the FY 22|23 Water Fund Budget Asset Acquisitions section to include \$50,000 for the purchase and installation of the continuous manganese analyzer.

Respectfully,



BRIAN R. LADDUSAW, CPA
General Manager

Attachment(s):

A – Hach Total Manganese Analyzer Quote

B – Center Electric Quote

C – SWRCB Proposed Revisions to Notification and Response Levels for Manganese



Quotation

Quote Number: 100890940v1
Use quote number at time of order to ensure that you receive prices quoted

Hach
PO Box 608
Loveland, CO 80539-0608
Phone: (800) 227-4224
Email: quotes@hach.com
Website: www.hach.com

Quote Date: 14-Mar-2023

Quote Expiration: 13-May-2023

RUBIDOUX COMM SERVICES
3590 RUBIDOUX BLVD
JURUPA VALLEY, CA 92509-4525

Name: Lee Bugbee
Phone: 951-203-9932
Email: lbugbee@rcsd.org

Customer Account Number : 104913

Sales Contact: Andy Cuevas Email: acuevas@hach.com Phone: 909-329-0930

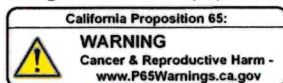
PRICING QUOTATION

Line	Part Number	Description	Qty	Net Unit Price	Extended Price
1	EZ2003.998B1102	EZ2003 Total Manganese Analyzer, 1 stream, 1x mA output. Standard lead time 120 days.	1	38,711.00	38,711.00
		Note: Reagents are not included and must be purchased separately.			
Grand Total					\$ 38,711.00

TERMS OF SALE

Freight: Ground Prepay and Add

FCA: Hach's facility



ALL LEAD TIMES ARE ESTIMATED AND NOT GUARANTEED.

All purchases of Hach Company products and/or services are expressly and without limitation subject to Hach Company's Terms & Conditions of Sale ("Hach TCS"), incorporated herein by reference and published on Hach Company's website at www.hach.com/terms. Hach TCS are contained directly and/or by reference in Hach's offer, order acknowledgment, and invoice documents. The first of the following acts constitutes an acceptance of Hach's offer and not a counteroffer and creates a contract of sale "Contract" in accordance with the Hach TCS: (i) Buyer's issuance of a purchase order document against Hach's offer; (ii) acknowledgement of Buyer's order by Hach; or (iii) commencement of any performance by Hach pursuant to Buyer's order. Provisions contained in Buyer's purchase documents (including electronic commerce interfaces) that materially alter, add to or subtract

from the provisions of the Hach TCS are not part of the Contract.

Due to international regulations, a U.S. Department of Commerce Export License may be required. Hach reserves the right to approve specific shipping agents. Wooden boxes suitable for ocean shipment are extra. Specify final destination to ensure proper documentation and packing suitable for International transport. In addition, Hach may require : 1). A statement of intended end-use; 2). Certification that the intended end-use does not relate to proliferation of weapons of mass destruction (prohibited nuclear end use, chemical / biological weapons, missile technology); and 3). Certification that the goods will not be diverted contrary to U.S. and/or applicable laws in force in Buyer's jurisdiction.

ORDER TERMS:

Terms are Subject to Credit Review

In order for Hach to process the order as quickly as possible, please provide the following information.

- Complete Billing address.
- Complete Shipping address.
- Part numbers and quantities of items being ordered.
- Please reference the quotation number on your purchase order

If the order is over \$25,000 Hach will also require the following additional information.

- Pricing
- Purchase Order Number
- Freight terms and INCO term FOB Origin or FCA Shipping Point
- Required delivery date
- Vendor name should specify "Hach Company" with the Loveland address:
 - Hach, PO Box 389, Loveland, CO 80539
- Credit terms of payment. Default payment terms are Net 30.
- Indicate if order needs to ship complete or if it can ship partial.
- Tax status
- Special invoicing instructions

Sales tax is not included on quote. Applicable sales tax will be added to the invoice based on the U.S. destination, if applicable provide a resale/exemption certificate.

Shipments will be prepaid and added to invoices unless otherwise specified.

Equipment quoted operates with standard U.S. supply voltage.

Hach standard terms and conditions apply to all sales.

Additional terms and conditions apply to orders for service partnerships.

Prices do not include delivery of product. Reference attached Freight Charge Schedule and Collect Handling Fees.

Standard lead time is 30 days.

This Quote is good for a one time purchase

Virtual and/or on-site training must be scheduled/completed within 30 days of order, or the price will be subject to change.

Sales Contact:

Name: Andy Cuevas
Title: Regional Sales Manager
Phone: 909-329-0930
Email: acuevas@hach.com

Center Electric Services, Inc.

3679 Van Buren Blvd.
 Riverside, CA 92503

Estimate

Date	Estimate #
3/14/2023	1341

Name / Address
Rubidoux Community Services District P.O. Box 3098 Rubidoux, CA 92519

Description	Total
Job Description: Hook up and program new analyzers at the Thompson Treatment Plant. This includes tie into existing conduit and adding outlets for power. Pull in data wires to each analyzer. Programming will be done on site in PLC to function as per RCSD's operations wants. Programming time includes working with analyzer manufacture to get signals and needed data for programming.	0.00
Labor to modify conduit and add outlets for power. Pull in data cables, terminate and test.	1,740.00
Bell boxes, in-use flip covers and misc fittings. Cat6 wire and termination ends.	617.50
Integrator, Adjust program to operate the way RCSD wants with the new backwash control. This includes testing at site.	2,640.00

--

Total	\$4,997.50
--------------	------------

Miguel Valdez

From: lyris@swrcb18.waterboards.ca.gov
Sent: Thursday, February 16, 2023 11:23 AM
To: Miguel Valdez
Subject: PROPOSED REVISIONS TO NOTIFICATION AND RESPONSE LEVELS FOR MANGANESE IN DRINKING WATER ARE NOW AVAILABLE



This is a message from the State Water Resources Control Board.

PROPOSED REVISIONS TO NOTIFICATION AND RESPONSE LEVELS FOR MANGANESE IN DRINKING WATER ARE NOW AVAILABLE

The State Water Board's Division of Drinking Water (DDW) is proposing a notification level of 20 parts per billion (ppb) or micrograms per liter ($\mu\text{g/l}$) and a response level of 200 $\mu\text{g/l}$ for manganese. These levels are based on adverse neurotoxicological effects seen in laboratory animals exposed to manganese. DDW derived a health protective concentration (HPC) using several resources; the HPC is based on one specific candidate study.

The current manganese notification and response levels are 0.5 parts per million (ppm) or milligrams per liter (mg/l) and 5.0 mg/l, respectively.

An informational item on the proposed manganese notification and response levels is planned for the State Water Board's March 21, 2023 meeting.

The proposed notification and response levels and links to the studies are available at the Division's website at https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/NotificationLevels.html.

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15. Directors Comments – Non-action

16. Adjournment