

**PURSUANT TO EXECUTIVE ORDERS ISSUED BY GOVERNOR NEWSOM,  
ONE OR MORE BOARD MEMBERS MAY PARTICIPATE IN THE MEETING  
VIA TELECONFERENCE**

AGENDA FOR A REGULAR MEETING OF THE BOARD OF DIRECTORS  
OF THE VALLECITOS WATER DISTRICT  
WEDNESDAY, MAY 19, 2021, AT 5:00 P.M.  
VIA TELECONFERENCE

**NOTICE TO THE PUBLIC**

Due to the evolving situation with the COVID-19 Novel Coronavirus, so long as state or local public health officials have imposed or recommended social distancing measures Vallecitos Water District will hold future meetings via teleconferencing and allow members of the public to observe and address the meeting telephonically or otherwise electronically. During this period of time, Vallecitos Water District will not be making any physical location available for members of the public to observe the meeting and offer public comment. The public is encouraged to watch and participate in the meeting from the safety of their homes. The meeting can be viewed on the agenda page located on the main page of the District's website. Public comments or questions can be submitted to the following email address: [PublicComment@vwd.org](mailto:PublicComment@vwd.org). All written comments that are received at least 90 minutes before the meeting will be provided to the Board, and a record of the receipt of comment will be noted during the meeting. Members of the public viewing the meeting via the Zoom videoconferencing platform can express their desire to provide input at the appropriate time by utilizing the "Raise Hand" function. Additional instructions for online participation will be posted on the District's website. [www.vwd.org/meetings](http://www.vwd.org/meetings)

CALL TO ORDER – PRESIDENT SANNELLA

PLEDGE OF ALLEGIANCE

ROLL CALL

In the case of an emergency, items may be added to the Agenda by a majority vote of the Board of Directors. An emergency is defined as a work stoppage; a crippling disaster; or other activity which severely imperils public health, safety, or both. Also, items which arise after the posting of the Agenda may be added by a two-thirds vote of the Board of Directors.

ADOPT AGENDA FOR THE REGULAR MEETING OF MAY 19, 2021

**PUBLIC COMMENT**

Persons wishing to address a matter not on the Agenda may be heard at this time; however, no action will be taken until the matter is placed on a future agenda in accordance with Board policy. Public comments are limited to three minutes. A Request to Speak form is required to be submitted to the Executive Secretary prior to the start of the meeting, if possible. Alternatively, persons wishing to address the Board at this time may utilize the "Raise Hand" feature of the Zoom videoconferencing platform. Public comment should start by stating name, address and topic. The Board is not permitted during this time to enter into a dialogue with the speaker.

**PRESENTATION**

Best, Best and Krieger will have a presentation on funding opportunities.

CONSENT CALENDAR

All matters listed under the Consent Calendar will be voted upon by one motion. There will be no separate discussion of these items, unless a Board member or member of the public requests that a particular item(s) be removed from the Consent Calendar, in which case it will be considered separately under Action Items.

1.1 APPROVAL OF MINUTES (pp. 6-22)

- A. PUBLIC AWARENESS/PERSONNEL/POLICY COMMITTEE MEETING – MAY 3, 2021
- B. REGULAR BOARD MEETING – MAY 5, 2021
- C. BOARD WORKSHOP MEETING – MAY 6, 2021

*Approved minutes become a permanent public record of the District.*

**Recommendation: Approve Minutes**

1.2 WARRANT LIST THROUGH MAY 19, 2021 - \$3,173,737.80 (pp. 23-25)

**Recommendation: Approve Warrant List**

1.3 FINANCIAL REPORTS (pp. 26-46)

- A. WATER METER COUNT – APRIL 30, 2021
- B. WATER PRODUCTION/SALES REPORT – 2020/2021
- C. PER CAPITA WATER CONSUMPTION – APRIL 30, 2021
- D. WATER REVENUE AND EXPENSE REPORT – APRIL 30, 2021
- E. SEWER REVENUE AND EXPENSE REPORT – APRIL 30, 2021
- F. RESERVE FUNDS ACTIVITY – APRIL 30, 2021
- G. INVESTMENT REPORT – APRIL 30, 2021
- H. LEGAL FEES SUMMARY – APRIL 30, 2021

1.4 SPRING 2021 BETWEEN THE PIPES – VALLECITOS WATER DISTRICT QUARTERLY NEWSLETTER (pp. 47-50)

**Recommendation: Approve Spring 2021 Between the Pipes Newsletter**

1.5 APPROVAL OF CONSTRUCTION AGREEMENT FOR NGUYEN SINGLE FAMILY RESIDENCE, APN: 222-360-35 (DUY AND PETRA NGUYEN) (pp. 51-53)

*The project is located on La Sombra Drive south of Baja Way and north of Sunrise Way.*

**Recommendation: Approve Construction Agreement**

\*\*\*\*\*END OF CONSENT CALENDAR\*\*\*\*\*

ACTION ITEM(S)

- 2.1 CHANGE ORDER 2 FOR THE SAN MARCOS INTERCEPTOR PROJECT, PHASE 2 (pp. 54-58)

*The San Marcos Interceptor Project consists of replacing the existing 1960's era 21-inch diameter sewer interceptor with approximately 12,200-feet of 42-inch diameter sewer pipeline between Twin Oaks Valley Road and Pacific Street.*

**Recommendation: Authorize Change Order No. 2 in the amount of \$87,719**

- 2.2 ADOPTION OF RESOLUTION OF THE BOARD OF DIRECTORS OF THE VALLECITOS WATER DISTRICT APPROVING ENCINA WASTEWATER AUTHORITY'S FISCAL YEAR 2022 OPERATING AND CAPITAL IMPROVEMENT BUDGET (pp. 59-111)

*The Encina Basic Agreement requires unanimous approval of the Encina Wastewater Authority budget by member agencies prior to the budget becoming effective.*

**Recommendation: Review and adopt a resolution approving the Encina Wastewater Authority's Fiscal Year 2022 Recommended CalPERS Pension Funding Policy, Operating and Capital Improvement Budgets**

- 2.3 VALLECITOS WATER DISTRICT DRAFT PROPOSED FISCAL YEAR 2021/2022 BUDGET (pp. 112-246)

*The budget for FY 2021/22 consists of operational commitments of \$59.4 million.*

**Recommendation: For Information Only**

- 2.4 POTENTIAL DEBT ISSUANCE (pp. 247)

*The FY 2021/22 budget shows capital costs are projected to result in a capacity fund shortfall of \$19.0 million by the end of the Fiscal Year 2021.*

**Recommendation: Direct staff to obtain proposals and contracts necessary to move forward with issuing the 2021 bonds.**

- 2.5 FINANCIAL INSTITUTION REGISTRY AND AUTHORIZATION (pp. 248-249)

*The District conducts transactions with various financial institutions throughout the year.*

**Recommendation: Adopt Resolution**

2.6 TRANSPARENCY CERTIFICATE OF EXCELLENCE AND DISTRICT OF DISTINCTION APPLICATIONS (pp. 250-251)

*The California Special Districts Association (CSDA) is a not-for-profit association that was formed in 1969 to promote good governance and improve core local services.*

**Recommendation: Take the appropriate steps to maintain the District of Distinction, Silver Level**

2.7 EXPRESSION OF INTEREST TO SERVE ON THE ACWA REGION 10 GOVERNING BOARD (pp. 252-263)

*The Region 10 Nominating Committee is currently seeking candidates to serve on the Region 10 Board, which consists of Chair, Vice Chair and up to five Board Member positions.*

**Recommendation: Determine if any Board members are interested in serving on the ACWA Region 10 Board**

\*\*\*\*\*END OF ACTION ITEMS\*\*\*\*\*

REPORTS

3.1 GENERAL MANAGER

3.2 DISTRICT LEGAL COUNSEL

3.3 SAN DIEGO COUNTY WATER AUTHORITY

3.4 ENCINA WASTEWATER AUTHORITY  
- Capital Improvement Committee  
- Policy and Finance Committee

3.5 STANDING COMMITTEES

3.6 DIRECTORS REPORTS ON MEETINGS/CONFERENCES/SEMINARS ATTENDED

\*\*\*\*\*END OF REPORTS\*\*\*\*\*

OTHER BUSINESS

4.1 MEETINGS

\*\*\*\*\*END OF OTHER BUSINESS\*\*\*\*\*

5.1 DIRECTORS COMMENTS/FUTURE AGENDA ITEMS



\*\*\*\*\*END OF DIRECTORS COMMENTS/FUTURE AGENDA ITEMS\*\*\*\*\*

6.1 ADJOURNMENT

\*\*\*\*\*END OF AGENDA \*\*\*\*\*

If you have any disability which would require accommodation in order to enable you to participate in this meeting, please call the Executive Secretary at 760.744.0460 ext. 264 at least 48 hours prior to the meeting.

Audio and video recordings of all Board meetings are available to the public at the District website [www.vwd.org](http://www.vwd.org)

AFFIDAVIT OF POSTING

I, Diane Posvar, Executive Secretary of the Vallecitos Water District, hereby certify that I caused the posting of this Agenda in the outside display case at the District office, 201 Vallecitos de Oro, San Marcos, California by 5:00 p.m., Sunday, May 16, 2021.

\_\_\_\_\_  
Diane Posvar

MINUTES OF A MEETING OF THE  
PUBLIC AWARENESS/PERSONNEL/POLICY COMMITTEE  
OF THE VALLECITOS WATER DISTRICT  
MONDAY, MAY 3, 2021 AT 10:00 A.M.  
VIA TELECONFERENCE

Director Boyd-Hodgson called the meeting to order at the hour of 10:00 a.m.

Present: Director Boyd-Hodgson  
Director Pennock  
General Manager Pruim  
Administrative Services Manager Emmanuel  
Public Information/Conservation Supervisor Robbins  
Risk Management Supervisor Woolslayer  
Human Resources Analyst Anderson  
Information Technology Technician Todd  
Executive Secretary Posvar  
Administrative Secretary Johnson

ITEMS FOR DISCUSSION

PERSONNEL

**(OLD BUSINESS) CLOSED CAPTIONING OF MEETINGS/DEMO RESCHEDULED?**

General Manager Pruim informed the Committee that the Verbit Caption software was running during the meeting to enable the Committee to see how the closed captioning works. A transcript of the meeting can be added to a You Tube video and a text version of the transcript may be obtained which could be beneficial in the production of meeting minutes. Information Technology Technician Todd explained that the transcription service has an automated component as well as a person who verifies text and corrects errors in the transcript as needed. Additional information is needed regarding the level of service necessary, cost, options available from Verbit and You Tube, and benefits to staff. The closed captioning software will be used during the May 5 Board meeting. Staff will evaluate the closed captioning of this meeting and the Board meeting.

**(OLD BUSINESS) RECRUITMENT FOR DEVELOPMENT SERVICES ENGINEER**

Human Resources Analyst Anderson stated a candidate has been selected for the underfilled Development Services Supervisor position instead of the Development Services Senior Engineer position. Upon completion of the pre-employment process, a conditional offer of employment will be extended contingent on Board approval of the retitling of the Development Services Senior Engineer position to Development Services Supervisor. An offer was made for the senior level position; however, it was declined.

**(OLD BUSINESS) WORKPLACE SAFETY TRAINING UPDATE/NEW DATES AVAILABLE?**

General Manager Pruim stated the Board is required by state law to receive sexual harassment prevention and ethics training every two years. Directors Boyd-Hodgson and Pennock have both completed the sexual harassment training; however, they must complete the ethics training within the first six months of taking office.

Discussion took place regarding optional training through the California Special Districts Association (CSDA) District of Distinction certification program which focuses on good governance. Classes for the training required for each level of the program (base, silver, gold, platinum) are available on-line or by attending the annual Special Districts Leadership Academy which is scheduled for September 26-29.

General Manager Pruim suggested a future Board discussion to determine what level of CSDA certification the Board would like to achieve and to consider the time commitment and cost. The higher the level, the more training that is required by the Board and upper management staff. Additional training is required before the end of June to renew the District's current silver certification. The Committee supports placing this item on the May 19 Regular Board agenda for discussion.

**(OLD BUSINESS) SUCCESSION PLAN UPDATE**

General Manager Pruim stated there was nothing new to report.

**(NEW BUSINESS) REVIEW OF SEXUAL HARASSMENT AND BULLYING POLICY**

Director Boyd-Hodgson stated that during her recent sexual harassment prevention training, it was recommended that Districts review their sexual harassment and bullying policies.

Administrative Services Manager Emmanuel stated the District's employee handbook contains policies shorter in length within the handbook and addendums for longer policies such as the District's discrimination and harassment policy. The District also has a bullying policy. Generally, the handbook is reviewed when the Memorandum of Understanding (MOU) with the Employees' Association is negotiated to determine if any policies need to be revised. After the current MOU was negotiated, she consulted with the District's legal counsel to review the entire handbook. Revisions were made to the discrimination and harassment policy; however, they have not been finalized. This has been delayed due to COVID-19. Administrative Services Manager Emmanuel anticipates bringing revisions to the employee handbook and the discrimination and harassment policy to the Board in 2021.

Director Boyd-Hodgson requested the discrimination and harassment and bullying policies be reviewed by this Committee a couple of months from now.

**(NEW BUSINESS) EMPLOYEE RETURN TO WORK UPDATE**

Administrative Services Manager Emmanuel stated the second group of employees returned to the District office two weeks ago, and the last group is scheduled to return on May 5. A few employees who have underlying medical conditions or have a family member with medical concerns will be returning at a later date.

Risk Management Supervisor Woolslayer provided an overview of the District's COVID Prevention Plan. The District started safety protocols such as sanitation and disinfection immediately when the pandemic began, long before Cal/OSHA mandated employers to have such a plan effective November 30, 2020. Cal/OSHA stipulates what must be included in the plan.

General discussion took place about reopening the District office to the public and returning to in-person Board meetings.

PUBLIC AWARENESS

**(OLD BUSINESS) TASK FORCE FORMATION FOR CAREER PATH AND EDUCATION IN SCHOOLS AND THE COMMUNITY**

Director Boyd-Hodgson expressed her interest in possible cost sharing with other agencies to fund water educational programs such as those Bill Dean presented to this Committee on April 5.

General Manager Pruim stated Mr. Dean has provided him with scheduling and pricing information for his programs. The cost has been included in the draft budget for the Board to consider. Mr. Dean is working separately with the San Marcos Unified School District (SMUSD) and the District. General Manager Pruim is not aware of any type of group discount.

Director Boyd-Hodgson suggested scheduling an offline meeting with Mr. Dean to discuss more details and to include a SMUSD representative. General Manager Pruim noted that he has stipulated that the District's involvement with Mr. Dean's programs is contingent on the programs being offered in the schools within the District's service area. A meeting will be scheduled.

**(OLD BUSINESS) SAN MARCOS YOUTH BASEBALL FIELD DRAINAGE**

General Manager Pruim stated he contacted the City of San Marcos regarding the drainage issues on the fields, particularly Field No. 3. The City acknowledges the problem and has ideas to resolve the issue; however, no improvements are currently scheduled. The District does not contribute in any way to the drainage issue and has no responsibility in this matter.

**(OLD BUSINESS) INTERCEPTOR VIDEO**

Public Information/Conservation Supervisor Robbins stated that Public Information Representative Yerman is still working on the interceptor video. It should be ready to show at the May 18 Lake San Marcos Kiwanis meeting, a speakers bureau event that is scheduled at 11:00 a.m.

The Committee viewed a video that Public Information Representative Yerman created titled, "Careers In Water." The video focuses on jobs at the District and the fact that there will be many water industry jobs available in San Diego County in the near future. The video will be shared on social media and used as a recruitment tool.

General discussion took place regarding partnering with the area colleges to promote water industry jobs and the San Diego County Water Authority's internship program which the District participates in.

POLICY

**(OLD BUSINESS) UPDATE ON CONSOLIDATION OF RESOLUTIONS/ORDINANCES/PRACTICES DOCS**

General Manager Pruim stated the status (active/inactive) for all ordinances has been updated on the District's website. The status of resolutions dating back 20 years, roughly 30%, has been updated as well. Separate folders have been created in Laserfiche for inactive ordinances and resolutions. When an ordinance or resolution is repealed or replaced, the status will need to be manually changed to inactive and then the document will automatically be moved into the inactive folder and the website will be updated as well. The priority has been to update the more current resolutions.

Administrative Secretary Johnson noted there is a current glitch in the Laserfiche software that does not display the most recent documents first. Staff is waiting for a software update to correct the problem. In the meantime, clicking twice on the name of the ordinance or resolution will sort the documents to show the most recent documents first. Staff will provide a demonstration of where and how to access the documents at a future Committee meeting.

**(NEW BUSINESS) POSTING PROCESS FOR BOARD/COMMITTEE MEETINGS VIDEO AND MINUTES**

General Manager Pruim addressed a concern about the length of time before video recordings and minutes of Board and Committee meetings are available on the website. He reviewed a flowchart illustrating the process that takes place concerning the videos and minutes. For Board meeting minutes, due to the time involved in the preparation, review process and inclusion of the minutes into the subsequent Board meeting packet for approval, it may be reasonable to expect the approved minutes of a Board meeting to be posted to the website approximately one month after the meeting. Videos differ

from minutes in that they are not formal documentation of a meeting and are not approved by the Board. Video recordings are reviewed by staff and then sent to an outside videographer for post production before they can be posted to the website.

General discussion took place. When minutes have been approved at a Board meeting, they can be posted to the website the next day. For videos of Board meetings, the expectation is that the video of the previous meeting will be posted to the website before the next meeting. Videos of Committee meetings may take a bit longer to post.

#### NEXT MEETING DATE – JUNE 7, 2021

The next Committee meeting is scheduled on Monday, June 7.

#### ADJOURNMENT

There being no further business to discuss, the meeting adjourned at the hour of 11:39 a.m.

MINUTES OF A REGULAR MEETING OF THE BOARD OF DIRECTORS  
OF THE VALLECITOS WATER DISTRICT  
WEDNESDAY, MAY 5, 2021, AT 5:00 PM, VIA TELECONFERENCE

President Sannella called the Regular meeting to order at the hour of 5:00 p.m.

Present: Director Boyd-Hodgson  
Director Elitharp  
Director Hernandez (left at 5:53 p.m.)  
Director Pennock  
Director Sannella

Staff Present: General Manager Pruim  
Legal Counsel Gilpin  
Administrative Services Manager Emmanuel  
District Engineer Gumpel  
Finance Manager Owen  
Operations & Maintenance Manager Pedrazzi  
Capital Facilities Senior Engineer Morgan  
Public Information/Conservation Supervisor Robbins  
Systems Administrator Drummond  
Executive Secretary Posvar

Others Present: David Drake

Director Boyd-Hodgson led the pledge of allegiance.

ADOPT AGENDA FOR THE REGULAR MEETING OF MAY 5, 2021

21-05-01 MOTION WAS MADE by Director Hernandez, seconded by Director Pennock, and carried unanimously, to adopt the agenda for the Regular Board Meeting of May 5, 2021.

PUBLIC COMMENT

None.

PRESENTATION

David Drake, member of the Rincon del Diablo Municipal Water District Board of Directors and representing the Association of California Water Agencies Joint Powers Insurance Authority (ACWA/JPIA), announced that the District received a refund check from ACWA/JPIA in the amount of \$149,764.15 due to the District's low insurance claims history. He commended the Board and staff for their efforts to reduce risk and workers compensation issues.

CONSENT CALENDAR

21-05-02 MOTION WAS MADE by Director Elitharp, seconded by Director Boyd-Hodgson, and carried unanimously, to approve the Consent Calendar as presented.

1.1 Approval of Minutes

- A. Finance/Investment Committee Meeting – April 12, 2021
- B. Engineering/Equipment Committee Meeting – April 19, 2021
- C. Regular Board Meeting – April 21, 2021
- D. Finance/Investment Committee Meeting – April 26, 2021

1.2 Warrant List through May 5, 2021 - \$3,183,755.96

1.3 Operations & Maintenance Metrics Quarterly Report – March 31, 2021

1.4 Approval of Construction Agreement for Villa Serena Phase 1 Off-Site Sewer Improvements, APNs 220-112-09, 220-112-27, 220-112-28 & 220-100-63 (VS Phase 1 LP)

1.5 Final Acceptance of Vineyard Road Sewer Off-Site Improvements (Warmington Residential CA, Inc.)

1.6 Mutual Aid Agreement

ACTION ITEM(S)

AWARD OF AS-NEEDED TASK ORDER FOR THE MEADOWLARK WATER RECLAMATION FACILITY (MRF) PROJECT MANAGER STAFF EXTENSION

Capital Facilities Senior Engineer Morgan provided background information on the District's Meadowlark Reclamation Facility (MRF), originally built in 1958 and upgraded in 1982 and 2005. Recycled water is produced at the facility for wholesale purchase to the City of Carlsbad and Olivenhain Municipal Water District.

Capital Facilities Senior Engineer Morgan stated the Capital Facilities Department is currently managing six Capital Improvement Program (CIP) projects at MRF that are in different phases of planning, design and construction. The Conversion to Sodium Hypochlorite and the Chlorine Contact Tank Expansion projects are currently in the planning phase. The Tertiary Structural Improvements project is in the design phase and scheduled to begin construction in the winter of 2021. The Headworks Improvements, Biological Selector/Aeration Basin Improvements, and Odor Scrubber No. 1 Replacement projects are



either in the bid or early construction phase. Additional unplanned design and construction support requests from operations staff are anticipated in the future based on experience and the needs at MRF. To assist with the active CIP projects at MRF, staff solicited interest and availability for staff extension project management services from consultants on the District's As-Needed Civil Engineering Consultants List. Black & Veatch was selected due to their treatment plant and project management experience. Project management staff extension will assist with preparation of request for proposals, planning, design, and bid documents, and conduct construction management including coordinating inspections. Staff extension will work with existing project consultants, contractors, and District staff in daily correspondence and execution of project tasks. It is anticipated that the staff extension will average approximately 20 hours per week.

Capital Facilities Senior Engineer Morgan further stated the MRF staff extension services will be funded in the current fiscal year through the individually budgeted CIP projects which have multiyear timelines and budgets. Each fiscal year, funds will be allocated within the budgeted CIP projects. The first phase proposed for authorization extends from May 5, 2021 through June 30, 2022 in the amount of \$149,567; each subsequent fiscal year, reauthorization will be evaluated for need and brought back to the Board for approval.

Staff recommended, with the support of the Engineering/Equipment Committee, the Board authorize the General Manager to execute a task order with Black & Veatch in the amount of \$149,567 for capital facilities staff extension project management services at MRF.

21-05-03 MOTION WAS MADE by Director Hernandez, seconded by Director Pennock, and carried unanimously, to authorize the General Manager to execute a task order with Black & Veatch in the amount of \$149,567 for capital facilities staff extension project management services at MRF.

#### WATER SUPPLY CONDITIONS UPDATE

General Manager Pruum stated drought emergency declarations have been issued for areas of northern California. Staff will provide monthly updates to the Board on water supply conditions.

Public Information/Conservation Supervisor Robbins stated that on April 21, 2021, Governor Newsom directed agencies to take immediate action to bolster drought resilience and proclaimed a regional drought emergency for the Russian River watershed in Sonoma and Mendocino counties. Currently, there is no drought declaration for San Diego County.

Public Information/Conservation Supervisor Robbins presented an update on water supply conditions as follows:

- Northern Sierra 8-Station Precipitation Index

- Snowpack Water Content
- California Reservoir Storage
- Colorado River Status
- Three-Month Temperature Outlook (May, June, July 2021)
- Three-Month Precipitation Outlook (May, June, July 2021)
- Conclusion

Public Information/Conservation Supervisor Robbins stated future updates will include Gallons Per Capita Per Day data and financial impacts in the event a drought emergency is declared in San Diego County.

General discussion took place regarding water bonds previously passed in California and what the funds were used for, water storage, the District's plan for education, outreach, and conservation efforts in the event of a drought, and regional versus state-wide messaging.

Gayle Martin, member of the public, applauded the District for addressing this now and stated the District needs to be proactive earlier in explaining the differences in local and state-wide drought measures. She asked the District to consider changing its drought restrictions sooner so that something could be done to shut off a large waterfall in her community that wastes a lot of water.

This item was presented for information only.

#### SAN MARCOS STATE OF THE CITY ADDRESS

General Manager Pruim stated the San Marcos Chamber of Commerce will be hosting the virtual State of the City Address on May 19 at 11:00 a.m. Attendance by Directors at this event would typically require Board approval for per diem and expense reimbursement; however, the event is free and falls on the same day as a Regular Board meeting, so this is not an issue.

General Manager Pruim further stated the San Marcos Chamber of Commerce is soliciting sponsorships for the event. The cost for the Gold Level is \$1,500 and the Silver level is \$750. Both levels include recognition in the digital event program. All sponsorship proceeds will benefit the San Marcos Chamber of Commerce.

General discussion took place.

21-05-04 MOTION WAS MADE by Director Hernandez, seconded by Director Elitharp, and failed 3 - 2, to donate \$750 to the San Marcos Chamber of Commerce for Silver level sponsorship of the State of the City Address.

Director Hernandez left the meeting at 5:53 p.m.

## REPORTS

### GENERAL MANAGER

General Manager Pruim reported the following:

- Construction of solar energy generation facilities is complete at the Twin Oaks Reservoir and Lift Station No. 1 (LS1) sites. The District is waiting for San Diego Gas & Electric to install a transmission line at the Twin Oaks site to connect the system to the power grid. Staff was previously told that neither site could be activated until both sites were ready to be connected; however, that is not correct as each facility has a different tariff structure. The LS1 site was initialized effective March 24, 2021 and is now operating to lower the District's energy costs. Staff will provide regular updates on energy savings. It is anticipated that the Twin Oaks site will be activated on July 15, 2021. Staff is considering holding a COVID-safe ribbon cutting ceremony at the Twin Oaks site.
- As COVID statistics continue to improve, telecommuting staff are returning to the District office. The last group of employees returned to the office today. Approximately 95% of staff are now back. Masking and social distancing restrictions are still in place. A date to begin holding in-person Board meetings has not been decided yet and will be considered at a future Board meeting depending on state, county, and Cal/OSHA restrictions.

### DISTRICT LEGAL COUNSEL

Legal Counsel Gilpin reported the following:

- Pending Assembly Bill (AB) 339 relates to how virtual Board meetings would be conducted in the future. AB 339 would require translation services to be provided for the ten most spoken languages in California and would allow non-English speaking persons double the amount of speaking time for public comment. AB 339 was amended last week so that it would only apply to cities and counties that contain at least 250,000 residents. If enacted, AB 339 would not apply to the District.
- Board Committee meetings must have less than a quorum of the Board in attendance in accordance with the Brown Act. Non-members of a committee may attend and observe the meeting but cannot speak or participate.
- The full and final settlement agreement with the San Diego County Water Authority (SDCWA) was executed this week. The pending action arising from that dispute will be dismissed.
- Mark Hattam, general counsel for SDCWA, is retiring.

SAN DIEGO COUNTY WATER AUTHORITY

Director Elitharp stated the SDCWA Board and its committees met on April 22. The settlement of the desal dispute that Legal Counsel Gilpin spoke about previously was considered by the Water Planning Committee in Closed Session and approved by the Board later that day. The Board authorized the General Manager to seek opportunities to leverage up to 16,117 acre feet of the SDCWA's water stored in Kern County as ground water so that it may be used to assist during the state's drought. The Board also adopted positions on various assembly and state senate bills and adopted a resolution approving amendment to an extension of the Consolidated Memorandum of Understanding with Teamsters Local 911 representing the three bargaining units for the period July 1, 2021 to June 30, 2023.

ENCINA WASTEWATER AUTHORITY

President Sannella reported on the April 28 EWA Board meeting at which the Board awarded a construction contract for the Effluent Equalization Facility Settlement Project in the amount of \$2 million. The facility was constructed in 2005 and requires maintenance. The Board approved a project for approximately \$750,000 for improvements to the overall system at the grit and screening facilities and process equipment in the primary treatments areas. The Board also adopted the Fiscal Year 2022 Pension Policy Operating Capital Budget.

President Sannella stated he attended an EWA workshop this morning at which information was presented regarding EWA's biosolids program and plans for renewable energy, solar, water reuse, and their pension liability.

STANDING COMMITTEES

Director Boyd-Hodgson stated the Public Awareness/Personnel/Policy Committee met on May 3 at which a closed captioning program was tested during the meeting. The Committee discussed the employees return to work, consolidation of District ordinances and resolutions, planning for future staff retirements, and possible formation of a taskforce to educate children about water and related jobs in the water industry.

President Sannella reported on the April 26 Finance/Investment Committee at which consultants presented information regarding debt issuance and an update on the Cost of Service Study. The information will also be provided to the Board.

DIRECTORS REPORTS ON TRAVEL/CONFERENCES/SEMINARS ATTENDED

Director Boyd-Hodgson reported on her attendance to the Water Education Foundation's Water 101 program and the Public Support for Water Infrastructure Policy Briefing. She also participated in a recent city-wide clean up event in San Diego.

OTHER BUSINESS

None.

DIRECTORS COMMENTS/FUTURE AGENDA ITEMS

General Manager Pruum stated a Board workshop meeting is scheduled for May 6 at 3:00 p.m. to discuss the budget, CalPERS, and debt issuance.

Gayle Martin, member of the public, commented that she appreciated the efforts being made to assist the hearing impaired public with closed captioning and that the financial documents were made available at the same time as the agenda for this meeting.

ADJOURNMENT

There being no further business to discuss, President Sannella adjourned the Regular Meeting of the Board of Directors at the hour of 6:23 p.m.

A Regular Meeting of the Vallecitos Board of Directors has been scheduled for Wednesday, May 19, 2021, at 5:00 p.m. via teleconference.

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Michael A. Sannella, President  
Board of Directors  
Vallecitos Water District

ATTEST:

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Glenn Pruum, Secretary  
Board of Directors  
Vallecitos Water District

MINUTES OF A WORKSHOP MEETING OF THE BOARD OF DIRECTORS  
OF THE VALLECITOS WATER DISTRICT  
THURSDAY, MAY 6, 2021, AT 3:00 PM AT THE DISTRICT OFFICE,  
201 VALLECITOS DE ORO, SAN MARCOS, CALIFORNIA

President Sannella called the Workshop Meeting to order at the hour of 3:00 p.m. The meeting was held via teleconference.

Present: Director Boyd-Hodgson  
Director Elitharp  
Director Hernandez  
Director Pennock  
Director Sannella (left at 3:53 p.m.)

Staff Present: General Manager Pruim  
Legal Counsel Norvell  
Administrative Services Manager Emmanuel  
District Engineer Gumpel  
Finance Manager Owen  
Operations & Maintenance Manager Pedrazzi  
Accounting Supervisor Rathsam  
Principal Financial Analyst Arthur  
Executive Secretary Posvar

Others Present: Lora Carpenter, Fieldman Rolapp & Associates

General Manager Pruim announced that a closed captioning program was being tested during the meeting.

ITEM(S) FOR DISCUSSION

BUDGET UPDATE

General Manager Pruim stated staff began working on the Fiscal Year (FY) 2021/22 budget in December and has made numerous presentations to the Finance/Investment Committee. This year staff is involving the Board in the process earlier than in the past. The Board will hear another budget presentation at the May 19 Regular Board meeting. The budget will be presented for adoption at the June 2 Regular Board meeting.

Finance Manager Owen provided a budget update and summary of the information that has already been presented to the Finance/Investment Committee as follows:

- Budget Calendar (February)
- Budget to Actual – Water
- Budget to Actual – Sewer

- Directors' Expenses
- Budget Calendar (March)
- Operating Expenses – Water
- Draft Operating Budget – Water (Projected to increase by 1.44%)
- Meters
- Draft Operating Budget – Sewer (Projected to increase by 4.64% or 1.77% excluding uncontrollable EWA costs)
- Engineering
- Budget Calendar (April)
- Preliminary Salary and Benefits (Projected to increase by 1.59%)
- Operating Budget – Salaries and Benefits
- Operating Budget – Full-Time Equivalent Employees
- Draft Capital Budget Page
- Draft Capital Budget
- Vehicles and Equipment
- Budget Calendar (April and May)

Question and answer took place after the presentation regarding Board fees and benefits, when the San Diego County Water Authority's potential rate increase will be known, and the Assistant General Manager position.

General Manager Pruum stated the approved current FY 2020/21 budget was approximately \$90.6 million. The proposed FY 2021/22 budget is approximately \$96 million, an increase of \$5.4 million. Water costs are estimated to increase \$2.7 million, roughly half of the total budget increase. Capital Improvement Program (CIP) projects are projected to increase \$4.3 million year over year. Those two line items together result in a projected \$7 million increase compared to the current year's budget.

General discussion took place.

President Sannella left the meeting at 3:53 p.m. and Vice President Elitharp ran the remainder of the meeting.

The first review of the proposed FY 2021/22 budget will take place at the May 19 Board meeting. The recommended budget will be presented to the Board for approval at the June 2 Board meeting.

#### CALPERS UNFUNDED ACCRUED LIABILITY DISCUSSION

Finance Manager Owen stated the California Public Employees' Retirement System (CalPERS) Unfunded Accrued Liability (UAL) is the District's most expensive debt by far because of its 7% interest rate on the debt and several other factors. In 2020 the District

developed a funding policy for the UAL to pay off the debt within three years. In 2021, the balance was \$11.3 million to be paid over two years. \$4 million was paid in 2021, with the balance to be reviewed in 2022. The policy provides for annual revisions when annual actuarial reports are released. CalPERS is typically a year behind on their actuarial reports. The last report, released in August 2020, is for 2019. The policy gives the District flexibility in making its payments. The District is not locked into a formal payment agreement. To avoid overpaying, the final year's payment will be reassessed when necessary. Staff will provide regular updates to the Finance Committee and Board.

Finance Manager Owen reviewed the UAL funding policy that was included in the FY 2021 budget, payments, savings, CalPERS's investment returns from 2002 to 2021 and how the returns impact the District's UAL. The 2020 rate of return was 4.55% which is estimated to result in a \$1.9 million loss for the market value of the District's assets, increasing the District's UAL from \$7.7 million to \$9.6 million. The 2021 rate of return is estimated by CalPERS to be 15% at this time which would result in a \$6 million gain for the District. If that holds true, the District's estimated UAL balance at the end of 2021 would be approximately \$3.5 million, much less than the \$7.2 million that was anticipated. Staff's recommendation of how much to pay off and the resulting expected interest savings will be presented to the Board at the May 19 meeting.

General discussion took place.

#### REQUEST FOR PROPOSALS FOR BOND ISSUANCE UNDERWRITING SERVICES

Finance Manager Owen stated the District is considering issuing debt for several reasons including:

- In the FY 2021 approved budget, the potential need for \$10 million in FY 2022 was identified for large CIP projects such as the San Marcos Interceptor project and other large sewer projects.
- Reserve levels for water and sewer for FY 2022 were reviewed with and without debt issuance. If debt is not issued in 2022, the sewer reserves will be below the floor by 2024; total reserves would be below the floor in 2025 and will not be in compliance with the District's reserve policy. This could negatively affect the District's credit rating.
- Interest rates are currently at record lows.

Lora Carpenter of Fieldman Rolapp & Associates facilitated a presentation on Capital Funding as follows:

- Rates Are Still Near Historic Lows
- District Capital Improvement Program Needs
- Finance Team



- Next Steps

General discussion took place.

Finance Manager Owen stated the majority of the costs associated with the debt issuance are unreimbursed costs which have existing reimbursement resolutions, meaning the funds have already been spent on projects. Proceeds from the debt issuance will be moved into reserves to pay for those previously spent costs. The existing resolutions totaling almost \$22 million and potentially more qualify for reimbursement.

Finance Manager Owen summarized why it is an optimal time to issue debt:

- Credit Rating Risk
- Projected Capacity Shortfall FY 2022 - \$20,651,000
- Capacity Fee Model Includes \$18 Million at 6%
- \$28 Million at 2.98% = More Debt, Lower Payment
- Debt Service Cost Increase – Approximately \$170,000 Per Year
- In 2023-24 at 4% – Approximately \$6 Million More In Interest

Finance Manager Owen stated the next step in the debt issuance process is to mail out Requests For Proposals (RFP) for bond issuance underwriting services. Staff recommends mailing the RFPs out as soon as possible.

General discussion took place.

### OTHER BUSINESS

None.

### PUBLIC COMMENT

General Manager Pruim stated emailed comments were received from Tom Scaglione, member of the public.

Gayle Martin, member of the public, requested the Board address Mr. Scaglione's concerns and the documentation he sent to the Board.

General Manager Pruim stated he believes most of Mr. Scaglione's concerns were addressed during the budget presentation. Director Elitharp requested staff prepare a response to Mr. Scaglione's concerns and provide it to the Board.

ADJOURNMENT

There being no further business to discuss, Vice President Elitharp adjourned the Workshop Meeting of the Board of Directors at the hour of 5:55 p.m.

A Regular Meeting of the Vallecitos Water District Board of Directors has been scheduled for Wednesday, May 19, 2021, at 5:00 p.m. at the District office, 201 Vallecitos de Oro, San Marcos, California.

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Craig Elitharp, Vice President  
Board of Directors  
Vallecitos Water District

ATTEST:

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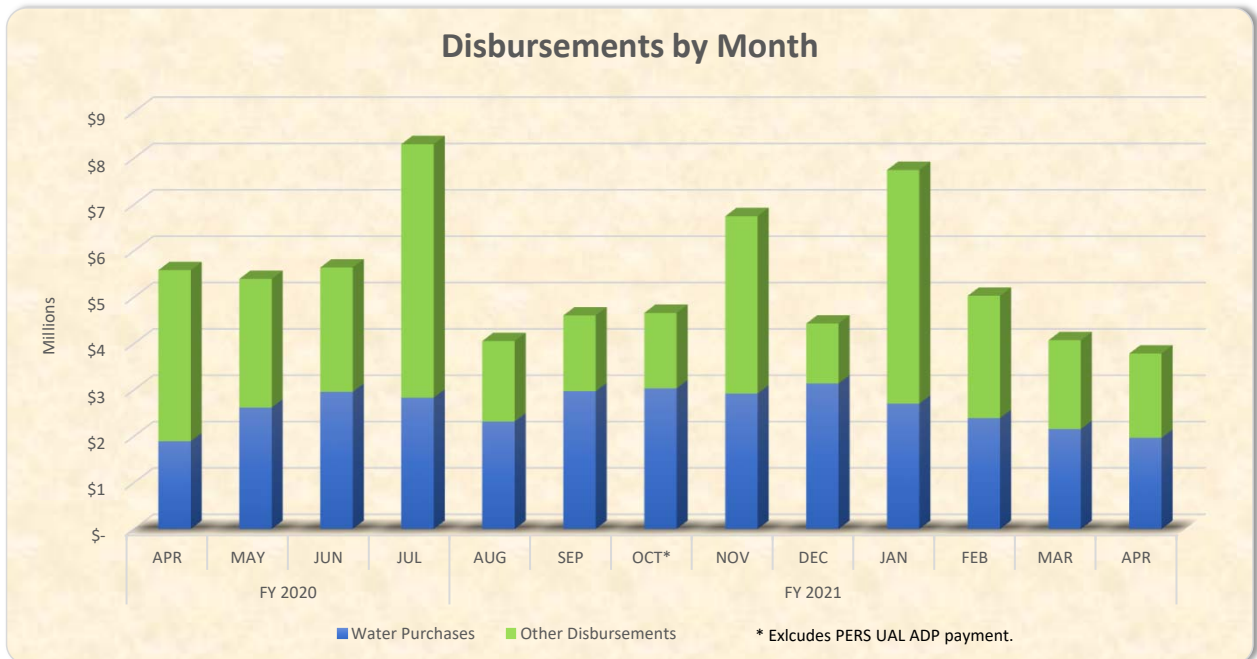
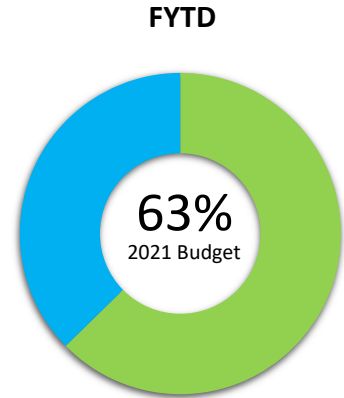
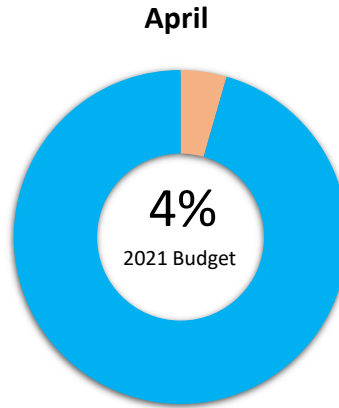
Glenn Pruij, Secretary  
Board of Directors  
Vallecitos Water District

**VALLECITOS WATER DISTRICT  
DISBURSEMENTS SUMMARY  
April 30, 2021**

**Summary**

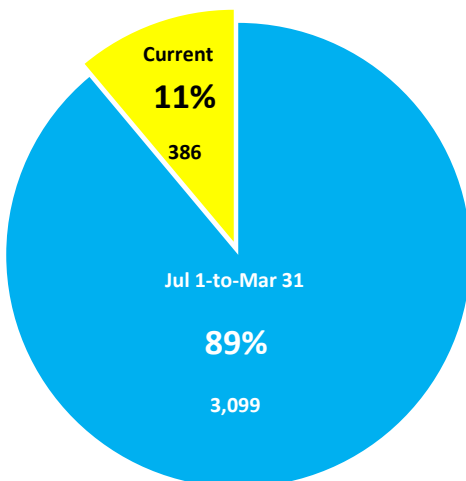
■ April Disbursements	\$ 3,783,950 *
■ YTD Disbursements	\$ 53,429,990 *
■ FY2021 Budget	\$ 85,271,000

\* Excludes Debt Service



**Top 10 Vendors - FYTD**

**Invoices Processed**



SAN DIEGO COUNTY WATER AUTH.	\$26.2M
ENCINA WASTEWATER AUTHORITY	\$8.0M
TC CONSTRUCTION CO INC	\$4.3M
PUBLIC EMPLOYEES RETIRE SYSTEM	\$2.6M
ACWA/JOINT POWERS INSURANCE	\$2.5M
SAN DIEGO GAS & ELECTRIC	\$1.2M
OLIVENHAIN MWD	\$677.9K
VALLEY CM INC	\$413.1K
BEST BEST & KRIEGER	\$413.1K
PENCCO, INC.	\$370.6K

VALLECITOS WATER DISTRICT  
WARRANTS LIST  
May 19, 2021

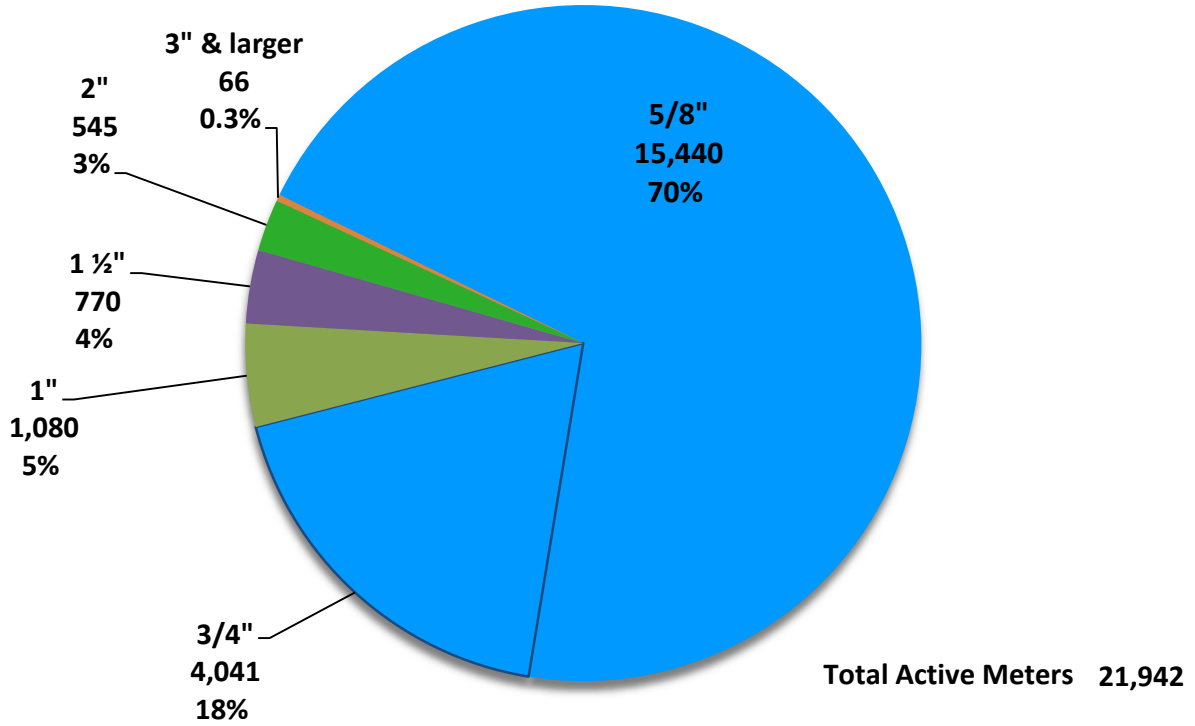
PAYEE	DESCRIPTION	CHECK#	AMOUNT
<b>CHECKS</b>			
Garnishments	Payroll Garnishments	121377 through	121378
Aaron Han	Closed Account Refund		121379
Action Mail	Winter Splash Newsletter Prj 20211-39		121380
Advanced Telemetry Systems,	Svc Flow Meter - Twin Oaks Reservoir		121381
Air & Lube Systems Inc.	Mechanic's Shop - Svc In- Ground Rotary Lift & Hose Reel		121382
AP Technology LLC	Secure Pay Maintenance 21-22		121383
ASAP Drain Guys & Plumbing	Rest Room Repairs - District HQ		121384
Brian Riley	Closed Account Refund		121385
State Board of Equalization	Annual Diesel Fuel Use Tax		121386
Corodata Media Storage Inc	Back Up Storage Tape - Feb		121387
DirecTV Inc	Satellite Svc - May		121388
Division 7 Sheet Metal LLC	Closed Account Refund		121389
EDCO Waste & Recycling Serv	Trash Svc - Apr		121390
Ellen Rousseau	Closed Account Refund		121391
Encina Wastewater Authority	Sewer Testing		121392
Envirosupply & Service, Inc	Carbon - Odor Control		121393
GMC Electrical, Inc.	Annual Cathodic Protection System Svc		121394
HMS Construction, Inc.	Closed Account Refund		121395
Home Depot Credit Services	Hardware Supplies - Apr		121396
Infosend Inc	Postage & Printing - Apr		121397
Jessee Marriott	Closed Account Refund		121398
Jill Broadfoot	Overpayment Refund		121399
Ken Grody Ford	Fleet Supplies		121400
Multi Access Connect	MRF - Tank Radio Alignment & Liability Insurance TOR		121401
Noregon Systems, Inc.	Vehicle Diagnostic Software		121402
Norman Schwartz	Closed Account Refund		121403
Ostari Inc	Memory Cards - 4 Prj 20201-4		121404
RAP Engineering, Inc.	Closed Account Refund		121405
SDG&E	Power - Mar & Apr		121406
Sally Sheets	Reimbursement - Ink Cartridges		121407
State Board of Equalization	Fees For Highlands Annexation Prj 20161-140		121408
Steve & Cindy Blackwell	Closed Account Refund		121409
Tara Robins	Closed Account Refund		121410
Terra Verde Energy LLC	District Wide Solar Prj 20201-14		121411
Terry Moritz	Reimbursement - CWEA Membership		121412
The Centre For Organizational Effectiveness	De-Escalation Strategies Training - 9 Employees		121413
Thyssen Krupp Elevator	Elevator Maintenance May - July		121414
Total Resource Mgt Inc	Maximo Support - Mar		121415
Union Bank FKA 1st Bank Card	Meetings & Travel - Apr		121416
Union Bank FKA 1st Bank Card	Meetings & Travel - Apr		121417
Union Bank FKA 1st Bank Card	Meetings & Travel - Apr		121418
Unitis, Inc.	Rapid Set Concrete Mix		121419
UPS	Shipping Svcs - Apr		121420
Verizon Wireless	Cell Phone Svc - Apr		121421
Erik Warner	Reimbursement - CWEA Membership		121422
Water Education Foundation	2021 Membership Dues		121423
Airwave Mechanical Inc.	HVAC Maintenance - MRF		121424
Anderson & Brabant Inc	Appraisal Svcs Prj 20211-668		121425
Automated Water Treatment	Calcium Hypochlorite Tablets		121426
Calolympic Safety	Steel Sleeve Pipes - 6		121427
City of Carlsbad	Quarterly Sewer Svc		121428
CDW Government Inc	HP Printer - MRF		121429
Jeffrey Colwell	Video Production Svcs Prj 20211-40		121430
Doane & Hartwig Water Systems Inc	MRF - Acid Wash		121431
Employment Screening Services Inc	Employment Screenings Svcs		121432
Fisher Scientific LLC	Lab Supplies		121433
Grainger Inc	Motion Sensor Faucets - 2 & Water Filtration Systems - 6		121434
Grangetto's Farm Garden Supply	Landscaping Chemicals		121435
Hach Company	Lab Supplies		121436

VALLECITOS WATER DISTRICT  
WARRANTS LIST  
May 19, 2021

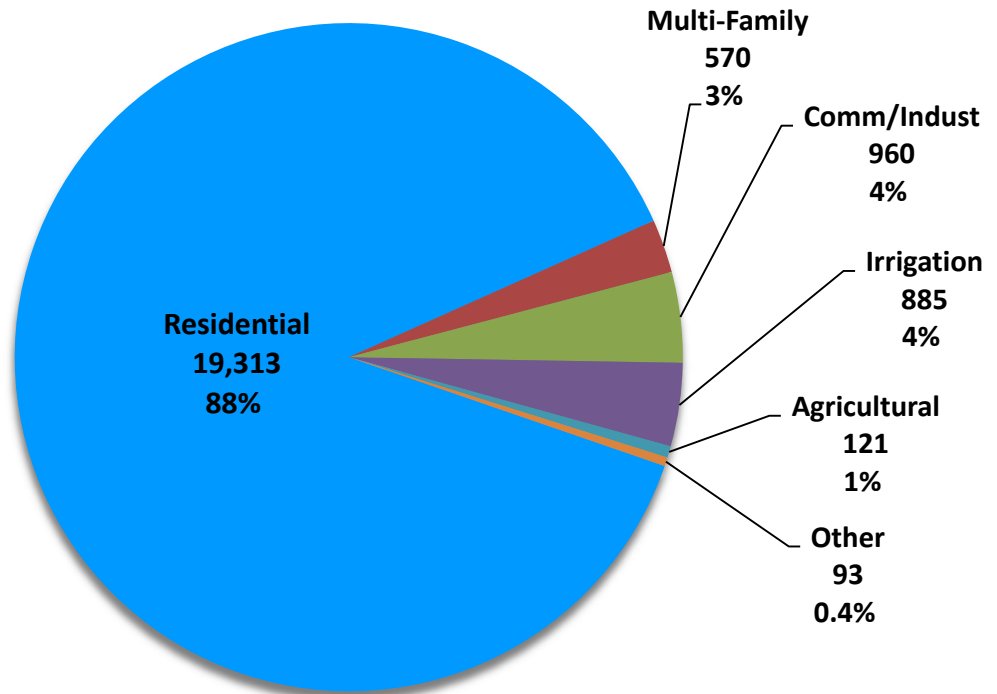
PAYEE	DESCRIPTION	CHECK#	AMOUNT
Huntington & Associates, Inc.	Pump Control Valve Maintenance Parts	121437	1,494.60
Jan-Pro of San Diego	Disinfecting & Cleaning Svcs HQ & MRF	121438	5,483.00
JCI Jones Chemicals Inc	Chlorine	121439	2,043.21
Kaman Industrial Technologies	Hardware Supplies	121440	188.48
Ken Grody Ford	Fleet Supplies	121441	34.01
Knight Security & Fire Systems	Answering, Monitoring, & Patrol Svcs - May	121442	656.69
Land Surveying Consultants Inc	Property Survey - District Easement	121443	1,008.57
Lloyd Pest Control	Pest Control - Apr	121444	668.00
Mallory Safety & Supply, LLC	Gloves, Safety Glasses, Ear Plugs, & Safety Masks Prj 20211-850	121445	3,141.97
MGM Plastics Inc	Odor Fan Repair - Air Duct Panels - MRF	121446	431.00
Mission Resource Conservation District	Water Use Evaluation Prj 20211-42	121447	44.50
Pacific Pipeline Supply	Flanges 2 - Twin Oaks Res Vault, Hardware Supplies	121448	1,602.21
Pencco, Inc.	Calcium Nitrate	121449	8,109.30
Recycled Aggregate Materials Co Inc	Concrete Recycling	121450	225.00
Raymond Allyn Business Supplies	Office Furniture	121451	560.25
Rusty Wallis Inc	Soft Water Tank Svc - May	121452	220.00
SCADA Integrations	SCADA Svc - Automatic Reporting	121453	595.00
Securitrim 2002 Inc.	Reflective Decals - Fleet Vehicles	121454	753.95
SHI International Corp.	VMware Subscription & Support 21-22	121455	11,221.93
Shred-It US JV LLC	Shredding Svcs - Apr	121456	306.04
Six To Six Equipment Rentals	Boom Lift Rental	121457	390.00
Southern Counties Lubricants, LLC	Diesel Fuel	121458	2,113.53
Steel-Toe-Shoes.com	Safety Boots	121459	127.65
T.S. Industrial Supply	Hardware Supplies	121460	126.00
Traffic Safety Solutions LLC	Traffic Control For Manhole Raising & Valve Repair	121461	6,655.00
Underground Service Alert	Dig Alert Svc & State Regulatory Costs - Apr	121462	777.00
Unifirst Corporation	Uniform Delivery	121463	1,589.94
Univar USA Inc	Sodium Hypo Liquichlor, Caustic Soda, Sodium Bisulfite	121464	9,066.65
Waxie Sanitary Supply	Cleaning Supplies	121465	1,205.96
Total Disbursements (87 Checks)			<u>233,453.55</u>
<b>WIRES</b>			
San Diego County Water Authority	April Water Bill	Wire	2,489,783.80
Public Employees Retirement System	Retirement Contribution - May 4, 2021 Payroll	Wire	75,350.28
Total Wires			<u>2,565,134.08</u>
<b>PAYROLL</b>			
Total direct deposits			Wire 230,137.24
VWD Employee Association		121377	542.00
Payroll & Garnishments		121378	701.06
IRS	Federal payroll tax deposits	Wire	94,635.25
Employment Development Department	California payroll tax deposit	Wire	18,691.28
CalPERS	Deferred compensation withheld	Wire	22,155.79
VOYA	Deferred compensation withheld	Wire	8,287.55
Total May 4, 2021 Payroll Disbursements			<u>375,150.17</u>
<b>TOTAL DISBURSEMENTS</b>			<u><u>3,173,737.80</u></u>

Vallejos Water District  
 Active Water Meters  
 April 30, 2021

Active Meters by Size as of April 30, 2021

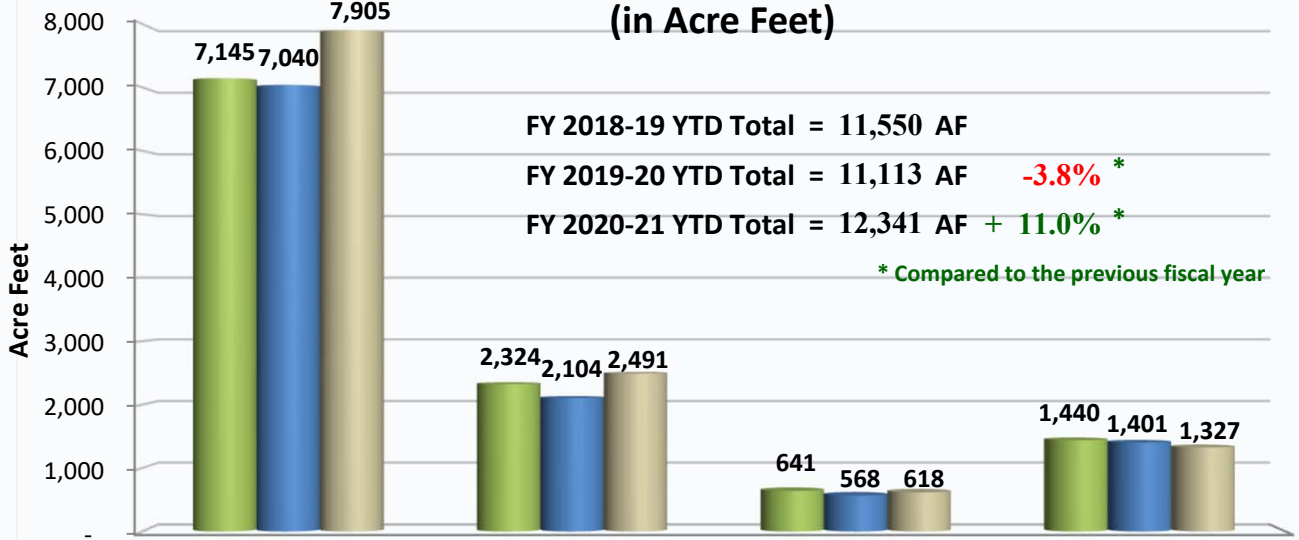


Active Meters by Type as of April 30, 2021



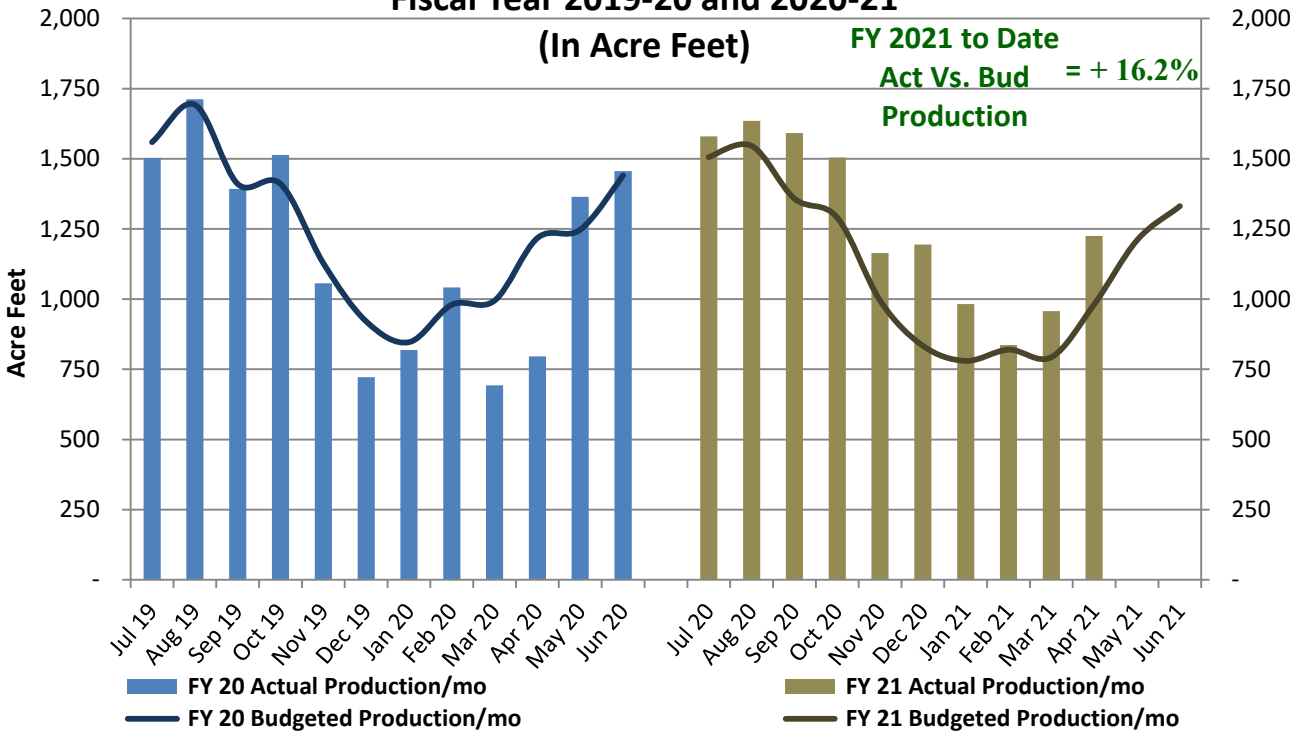
Vallejos Water District  
 Water Production/Sales  
 April 30, 2021

**Water Sales FY 18-19, FY 19-20 and FY 20-21 (FYTD)**  
 (in Acre Feet)

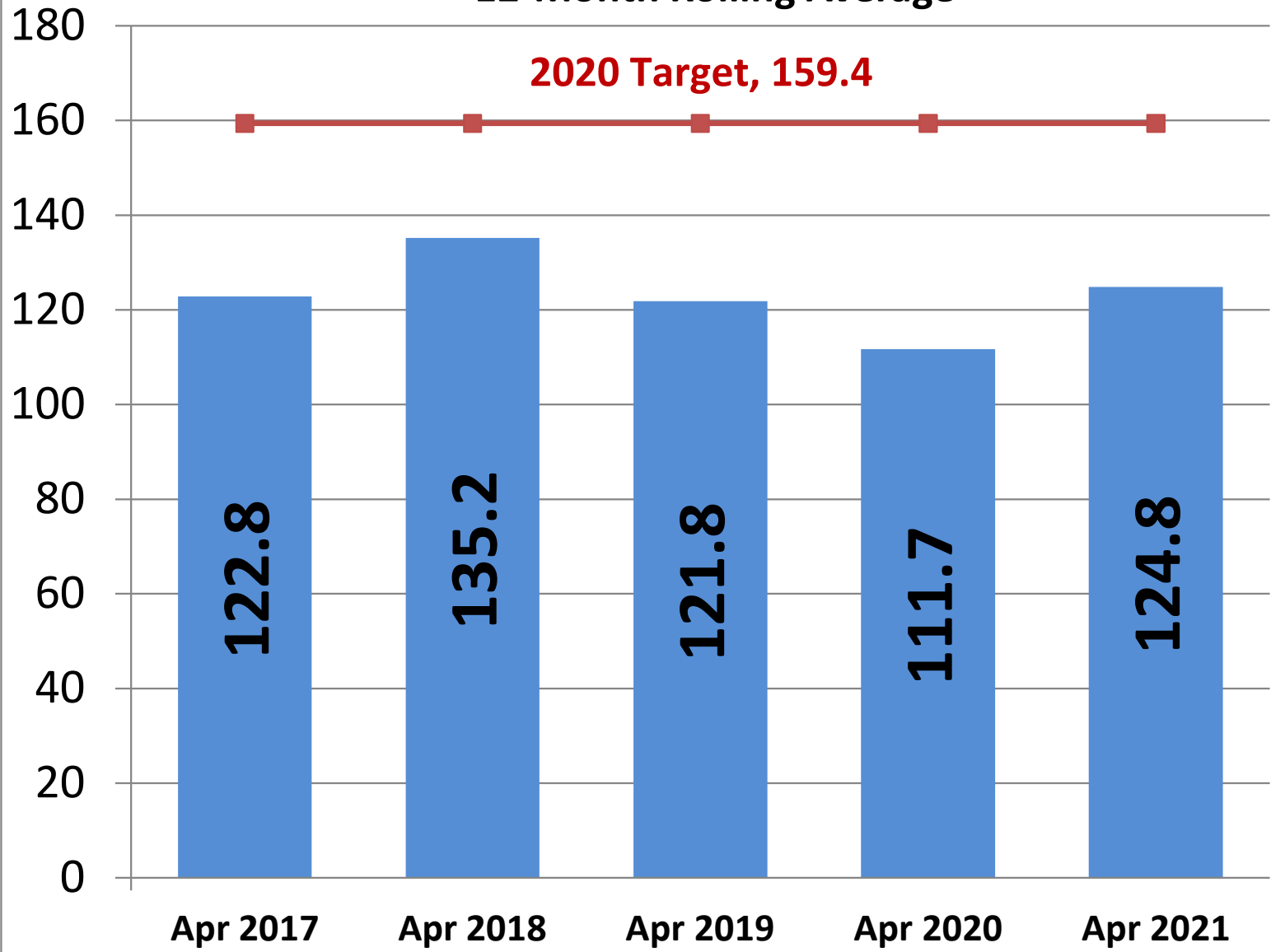


	Residential	Irrigation	Agricultural	Commer/ Indust/ Const/ Oth
FY 2018-19	7,145	2,324	641	1,440
FY 2019-20	7,040	2,104	568	1,401
FY 2020-21	7,905	2,491	618	1,327

**Water Production Budget vs. Actual**  
 Fiscal Year 2019-20 and 2020-21  
 (In Acre Feet)



### Gallons per Capita per Day 12-Month Rolling Average





**DATE: MAY 19, 2021**  
**TO: BOARD OF DIRECTORS**  
**SUBJECT: MONTHLY FINANCIAL REPORTS**

**BACKGROUND:**

The Monthly Revenue and Expense Reports and the Reserve Report for the ten months ended April 30, 2021 are presented.

**DISCUSSION:**

The Monthly Revenue and Expense reports summarize revenues by service type and expenses by department over the 10-month period. Comparisons to prior year actual and current year budget amounts are also presented. Each statement contains footnotes regarding significant variances exceeding predetermined dollar and percentage amounts. Any excess of revenues over expenses are transferred to reserves and reflected in the Reserve Report. Any excess of expenses above revenues are paid for out of reserves in the current fiscal year.

The Monthly Reserve Report presents the balances in each of the District's reserve funds. The report summarizes all sources and uses of reserves. Sources consist of operating transfers, capital facility fees, property taxes, dissolved RDA distributions, investment earnings and annexation fees. Uses are distributions for capital projects and debt service.

**RECOMMENDATION:**

For information only.

Vallecitos Water District  
Water Revenue and Expense Report  
For the Ten Months Ended April 30, 2021

	Current Year Actual	Prior Year Actual			Current Year Budget		
		Amount	Variance		Amount	Variance	
			\$	%		\$	%
<b>Revenue</b>							
Water Sales	\$ 27,425,167	\$23,553,712	\$ 3,871,455	16.4%	\$21,651,000	\$ 5,774,167	26.7%
Ready-to-serve	12,177,051	11,981,480	195,571	1.6%	12,042,000	135,051	1.1%
Pumping cost recovery	377,625	322,942	54,683	16.9%	335,000	42,625	12.7%
Late & lock charges	268,214	256,695	11,519	4.5%	48,000	220,214	458.8%
Backflow fees	89,276	85,261	4,015	4.7%	84,000	5,276	6.3%
Other revenue	195,599	351,009	(155,410)	-44.3%	239,200	(43,601)	-18.2%
<b>Total Revenue</b>	<b>40,532,932</b>	<b>36,551,099</b>	<b>3,981,833</b>	<b>10.9%</b>	<b>34,399,200</b>	<b>6,133,732</b>	<b>17.8%</b>
<b>Expenses</b>							
Water costs	25,711,090	23,381,533	2,329,557	10.0%	23,709,000	2,002,090	8.4%
Pumping costs	692,412	664,892	27,520	4.1%	839,000	(146,588)	-17.5%
Water quality	86,063	97,397	(11,334)	-11.6%	174,000	(87,937)	-50.5%
Water treatment	385,330	418,523	(33,193)	-7.9%	389,000	(3,670)	-0.9%
Tanks & reservoirs	224,796	269,076	(44,280)	-16.5%	381,000	(156,204)	-41.0%
Trans & distribution	1,425,802	1,354,872	70,930	5.2%	1,565,000	(139,198)	-8.9%
Services	74,023	70,802	3,221	4.5%	72,000	2,023	2.8%
Meters	717,147	582,754	134,393	23.1%	611,000	106,147	17.4%
Backflow prevention	55,652	67,492	(11,840)	-17.5%	54,000	1,652	3.1%
Customer accounts	644,894	528,790	116,104	22.0%	861,000	(216,106)	-25.1%
Building & grounds	333,726	290,902	42,824	14.7%	351,000	(17,274)	-4.9%
Equipment & vehicles	204,732	205,098	(366)	-0.2%	265,000	(60,268)	-22.7%
Engineering	1,334,707	1,382,567	(47,860)	-3.5%	1,357,000	(22,293)	-1.6%
Safety & compliance	176,353	164,313	12,040	7.3%	244,000	(67,647)	-27.7%
Information Technology	720,755	715,668	5,087	0.7%	900,000	(179,245)	-19.9%
General & administrative	2,297,319	2,259,265	38,054	1.7%	2,572,000	(274,681)	-10.7%
<b>Total Expenses</b>	<b>35,084,801</b>	<b>32,453,944</b>	<b>2,630,857</b>	<b>8.1%</b>	<b>34,344,000</b>	<b>740,801</b>	<b>2.2%</b>
<b>Net Operating Income</b>	<b>\$ 5,448,131</b>	<b>\$ 4,097,155</b>	<b>1,350,977</b>	<b>33.0%</b>	<b>\$ 55,200</b>	<b>5,392,931</b>	<b>9769.8%</b>

Explanation of Significant Variances

**Water sales** show a favorable budget variance due to higher than anticipated sales in the summer months resulting from hotter than average temperatures and increased residential usage due to COVID-19.

**Late & lock charges** are higher than budget due to customers paying late charges at a higher rate than anticipated during COVID-19.

**Other revenue** has an unfavorable prior year variance due to a reimbursement received in the prior fiscal year for a portion of the cost of the District-Wide Solar Project.

**Water quality** has a favorable budget variance this year due to timing of outside services being performed.

**Tanks and reservoirs** favorable budget variance is due to less than anticipated labor costs and outside repair costs during the year thus far.

The unfavorable prior year variance in **Meters** is a result of the construction departments helping out with meter replacement and charging their time to meters.

**Customer accounts** has an unfavorable prior year variance due to anticipated increases in uncollectible accounts as a result of COVID-19 and has a favorable budget variance due to less than anticipated bad debt expense when compared to COVID-19 projections.

*Variances are considered significant if they exceed \$83333 and 20%.*

Vallecitos Water District  
Sewer Revenue and Expense Report  
For the Ten Months Ended April 30, 2021

	Current Year Actual	Prior Year Actual			Current Year Budget		
		Amount	Variance		Amount	Variance	
			\$	%		\$	%
<b>Revenue</b>							
Sewer service charges	\$ 15,144,096	\$ 15,352,296	\$ (208,200)	-1.4%	\$ 14,423,000	\$ 721,096	5.0%
Reclaimed water sales	2,459,819	2,055,000	404,819	19.7%	2,329,000	130,819	5.6%
Other revenue	182,097	335,604	(153,507)	-45.7%	93,000	89,097	95.8%
<b>Total Revenue</b>	<b>17,786,012</b>	<b>17,742,900</b>	<b>43,112</b>	<b>0.2%</b>	<b>16,845,000</b>	<b>941,012</b>	<b>5.6%</b>
<b>Expenses</b>							
Collection & conveyance	1,891,002	1,846,094	44,908	2.4%	1,960,000	(68,998)	-3.5%
Lift stations	219,508	205,678	13,830	6.7%	244,000	(24,492)	-10.0%
Source Control	152,068	150,677	1,391	0.9%	170,000	(17,932)	-10.5%
Effluent disposal	2,387,888	2,362,392	25,496	1.1%	2,537,000	(149,112)	-5.9%
Meadowlark	2,161,418	2,133,344	28,074	1.3%	2,585,000	(423,582)	-16.4%
Customer Accounts	377,843	369,314	8,529	2.3%	500,000	(122,157)	-24.4%
Building & grounds	204,531	175,091	29,440	16.8%	189,000	15,531	8.2%
Equipment & vehicles	161,351	169,369	(8,018)	-4.7%	253,000	(91,649)	-36.2%
Engineering	610,984	554,640	56,344	10.2%	623,000	(12,016)	-1.9%
Safety & compliance	114,274	110,988	3,286	3.0%	165,000	(50,726)	-30.7%
Information technology	610,614	570,597	40,017	7.0%	690,000	(79,386)	-11.5%
General & administrative	1,279,951	1,225,558	54,393	4.4%	1,176,000	103,951	8.8%
<b>Total Expenses</b>	<b>10,171,432</b>	<b>9,873,742</b>	<b>297,690</b>	<b>3.0%</b>	<b>11,092,000</b>	<b>(920,568)</b>	<b>-8.3%</b>
<b>Net Operating Income</b>	<b>\$ 7,614,580</b>	<b>\$ 7,869,158</b>	<b>(254,578)</b>	<b>-3.2%</b>	<b>\$ 5,753,000</b>	<b>1,861,580</b>	<b>32.4%</b>

Explanation of Significant Variances

**Other revenue** has an unfavorable prior year variance due to a reimbursement received in the prior fiscal year for a portion of the cost of the District-Wide Solar Project and a favorable budget variance due a refund from ACWA/JPIA.

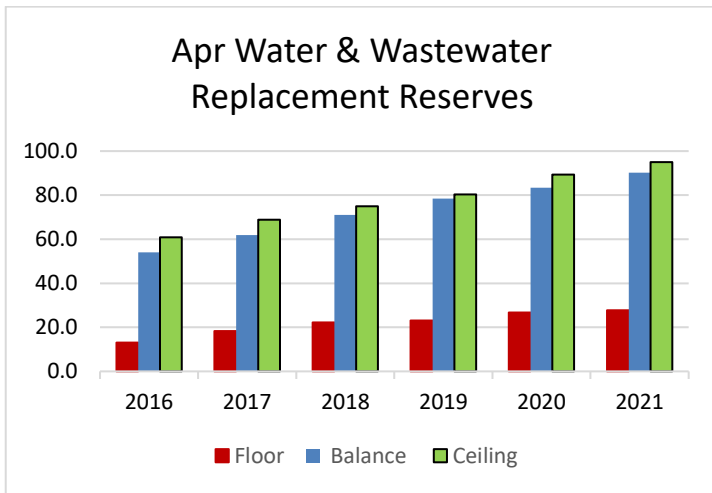
**Customer accounts** has a favorable budget variance due to less than anticipated bad debt expense when compared to COVID-19 projections.

**Equipment & vehicles** has a favorable budget variance due to less than anticipated materials, supplies, and fuel costs.

*Variances are considered significant if they exceed \$83333 and 20%.*

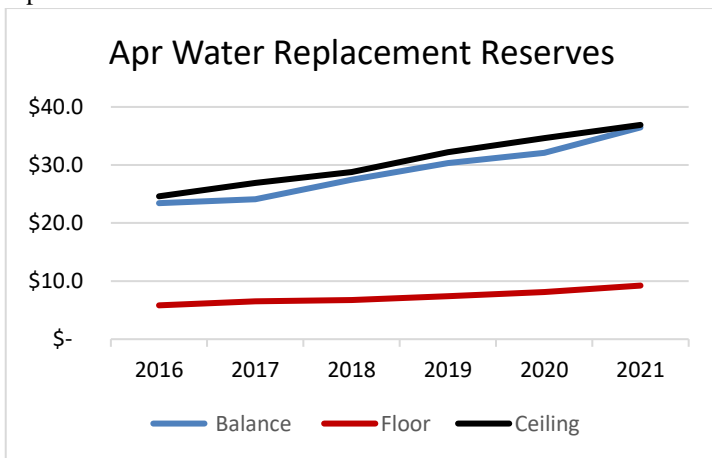
**REPLACEMENT RESERVES**

The District maintains two replacement reserves in cash equivalents and investments: One for the District’s water system, and the other for the District’s wastewater system. The District’s reserve policy establishes a floor of the sum of the next three years of projected system replacement costs, and a ceiling of the sum of the next ten years of system replacement costs. As of April 30, 2021, the total water and wastewater replacement reserve balance was \$90.2 million, 8.13 percent greater than April 30, 2020.



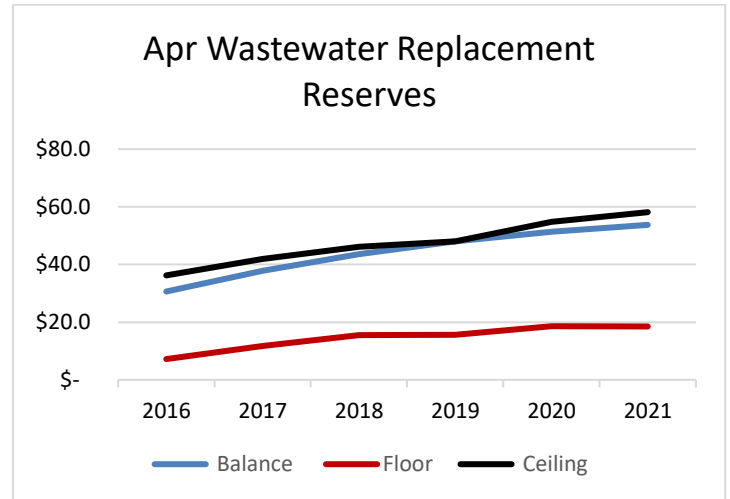
**WATER REPLACEMENT RESERVE**

As of April 30, 2021, the District’s water replacement reserve totaled \$36.5 million, an increase of 13.57 percent, or \$4.4 million, from the same month of the prior year. The month-end balance is within the floor and ceiling established by the reserve policy, leaving the District with sufficient reserves to meet infrastructure replacement needs.



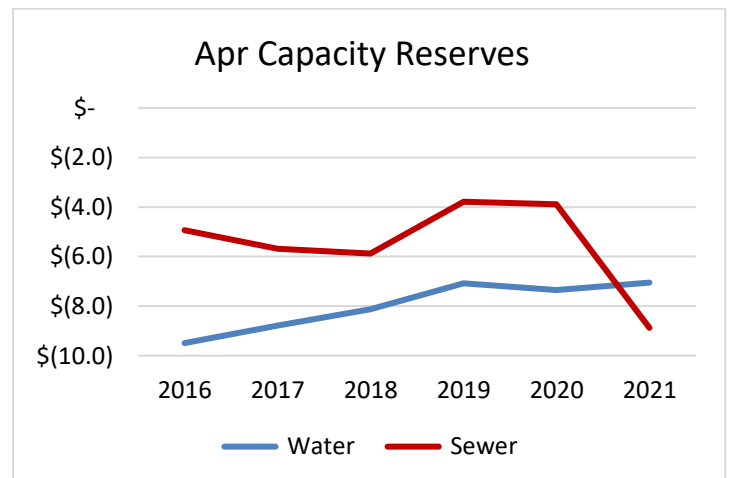
**WASTEWATER REPLACEMENT RESERVE**

As of April 30, 2021, the balance in the District’s wastewater replacement reserve totaled \$53.7 million, an increase of 4.72 percent, or \$2.4 million, from the same month of the prior year. The month-end balance is within the approved floor and ceiling.



**CAPACITY RESERVES**

The District collects capital facility fees from new development and increased demands from existing customers, maintains the collected fees in separate funds (one for water and one for wastewater), and uses the funds exclusively to provide capacity to serve new development and fund future construction of facilities identified in the District’s Master Plan and capital budget. As of April 30, 2021, the water capacity fund had a deficit of \$7.1 million and the sewer capacity fund had a deficit of \$8.9 million. The District’s capital facility fees situation is expected to improve with the adoption of the new Master Plan and the corresponding capacity fee study.



**VALLECITOS WATER DISTRICT**

**RESERVE ACTIVITY FOR THE TEN MONTHS ENDED APRIL 30, 2021**

	110 Water	120	210 Wastewater	220	
	<u>Replacement</u>	<u>Capacity</u>	<u>Replacement</u>	<u>Capacity</u>	<u>Total</u>
BEGINNING BALANCE	\$ 37,926,769	\$ (8,191,036)	\$ 59,840,514	\$ (7,282,511)	\$ 82,293,735
REVENUES					-
FY 20/21 Operating Transfers	5,448,131		7,614,580		13,062,711
Capital Facility Fees	-	1,746,898	-	3,752,472	5,499,370
Property Tax	1,180,460	-	943,194	-	2,123,653
Investment Earnings	774,327	-	637,372	-	1,411,700
RDA pass-through	656,410	-	630,669	-	1,287,079
Annexation Fees	307,515	-	697,153	-	1,004,668
TOTAL REVENUES	<u>8,366,843</u>	<u>1,746,898</u>	<u>10,522,967</u>	<u>3,752,472</u>	<u>24,389,181</u>
LESS DISTRIBUTIONS					
Capital Projects					
Encina Wastewater Authority Five Year Plan	-	-	5,441,113	-	5,441,113
San Marcos Interceptor Sewer	-	-	1,580,853	3,518,673	5,099,526
North Twin Oaks Tank 1 Refurb	452,312	-	-	-	452,312
District-Wide SCADA Upgrade Project	154,773	-	138,471	-	293,244
16-Inch Emergency Bypass Pipeline Rehabilitation	-	-	142,312	-	142,312
MRF Biological Selector Improvements	-	-	116,385	-	116,385
District-Wide Valve Replacement Program	109,492	-	-	-	109,492
Tres Amigos Water Line Replacement Phase 1	76,604	-	-	-	76,604
District Wide Solar Project	38,099	-	36,604	-	74,703
MRF Grinder Pump 1	-	-	72,894	-	72,894
Failsafe Buena Sewer Outfall Condition Assessment	-	-	70,639	-	70,639
MRF - Tertiary Influent Chamber Repairs	-	-	70,412	-	70,412
South Lake - Ultrasonic Algae Control System	65,047	-	-	-	65,047
MRF - Uninterruptible Power Supply	-	-	64,070	-	64,070
Land Outfall West Condition Assessment	-	-	42,480	-	42,480
Asset Management Replacement Schedule	21,304	-	20,467	-	41,771
MRF Headworks - Upgrade/Replace Equipment	-	-	33,037	-	33,037
Sewer Rehabilitation And Repairs	-	-	32,775	-	32,775
Septage Hauler Disposal Siting Study	-	-	29,981	-	29,981
MRF - Odor Scrubber #1 Replacement	-	-	28,081	-	28,081
SSO Training Facility	-	-	27,257	-	27,257
MRF - Fall Protection Grating Installation	-	-	23,721	-	23,721
Meadowloark FCF - Water Quality Analyzer	22,446	-	-	-	22,446
MRF - Aeration Influent Channel Mixing	-	-	21,260	-	21,260
Wireless Radio Network Upgrades	9,086	-	8,730	-	17,816
MRF - Flow Control Valve & Actuator	-	-	15,917	-	15,917
Sage Canyon Tank Refurbishment	15,816	-	-	-	15,816
Twin Oaks Reservoir - Safety Climb System	13,996	-	-	-	13,996
MAHR - Salt Tank Ladder Climbing System	-	-	13,901	-	13,901
Audiovisual Upgrade	6,988	-	6,714	-	13,702
Encina Land Parallel Outfall	-	-	-	12,808	12,808
Ductile Iron Pipe Condition Assessment	11,842	-	-	-	11,842
All other capital projects	23,320	-	22,026	1,197	46,543
Capital Budget - Vehicles/Mobile Equipmnt	33,874	-	423,975	-	457,849
Total Capital Project Expenditures	<u>1,054,999</u>	<u>-</u>	<u>8,484,079</u>	<u>3,532,677</u>	<u>13,071,755</u>
Debt Service	-	500,629	-	1,700,587	2,201,215
Fund PERS UAL	2,456,470	-	1,570,530	-	4,027,000
Interest Expense	-	106,496	-	112,899	219,395
TOTAL DISTRIBUTIONS	<u>3,511,469</u>	<u>607,125</u>	<u>10,054,609</u>	<u>5,346,163</u>	<u>19,519,365</u>
ENDING BALANCE	\$ 42,782,143	\$ (7,051,263)	\$ 60,308,872	\$ (8,876,202)	\$ 87,163,550
Less: Operating Reserves	<u>6,310,400</u>	<u>-</u>	<u>6,563,800</u>	<u>-</u>	<u>12,874,200</u>
Replacement Reserves/Restricted Funds	<u>\$ 36,471,743</u>	<u>\$ (7,051,263)</u>	<u>\$ 53,745,072</u>	<u>\$ (8,876,202)</u>	<u>\$ 74,289,350</u>
Replacement reserve floor	<u>\$ 9,233,800</u>		<u>\$ 18,557,900</u>		
Replacement reserve ceiling	<u>\$ 36,983,000</u>		<u>\$ 58,145,300</u>		

VALLECITOS WATER DISTRICT  
INVESTMENT REPORT FOR APRIL 2021

Attached is a detailed list of investments for all District funds that are not needed to meet current obligations. In accordance with Government Code Section 53646, the information is presented to the Board on a monthly basis and includes a breakdown by fund, financial institution, settlement and maturity date, yield, and investment amount. In addition, the report indicates the various percentages of investments in each type of institution.

The process and the presentation of the information to the Board are in compliance with requirements outlined in the District Investment Policy adopted on an annual basis. In addition to the investment portfolio, there are sufficient funds in the Operating Account to meet District obligations for the next 30 days. Maturity dates on investments are structured to meet the future financial obligations of the District (i.e., bond payments and construction projections). In that regard, the District will be able to meet expenditure requirements for the next six months without a need to liquidate an investment earlier than scheduled maturity dates.

Investment activity for the month of April follows:

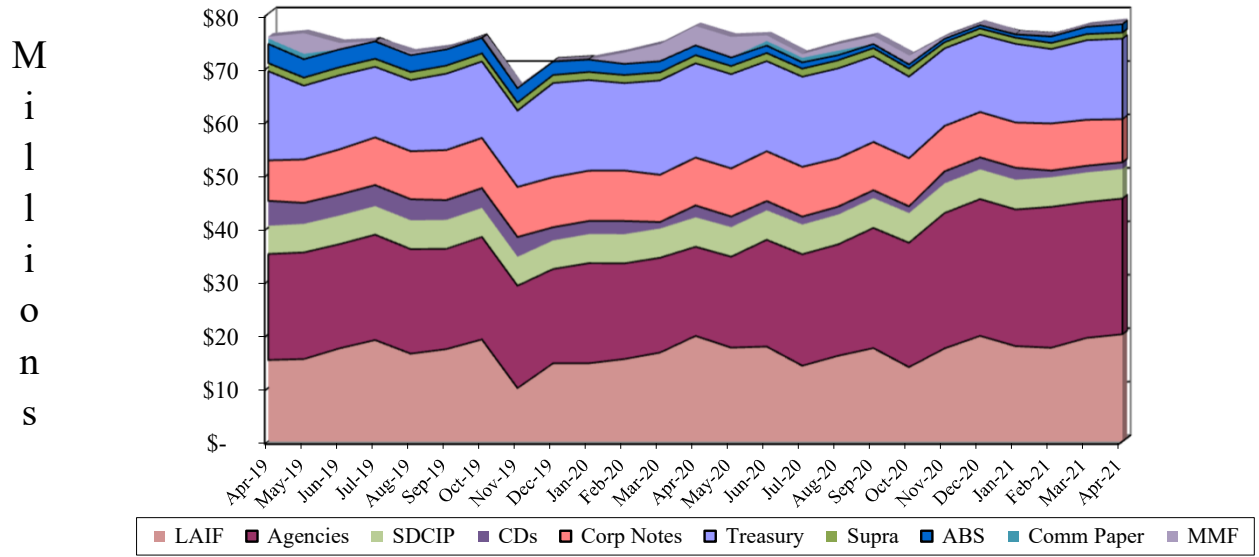
<u>Date</u>	<u>Activity</u>	<u>Investment</u>	<u>Amount</u>	<u>Maturity</u>	<u>Yield</u>
04/01/21	Deposit	LAIF	750,000	Open	0.34%
04/13/21	Purchased	US Treasury Note	939,238	04/30/25	0.38%
04/13/21	Sold	US Treasury Note	(763,066)	03/31/22	1.88%
04/15/21	Interest	LAIF	20,935	Open	0.34%
04/15/21	Withdrawal	LAIF	(100,000)	Open	0.34%
04/19/21	Sold	Oracle Corp.	(509,920)	05/15/22	2.50%
04/19/21	Sold	Honda Auto Rec	(5,931)	05/18/22	3.01%
04/21/21	Sold	HAROT 2018-3 A3	(10,786)	08/22/22	2.95%
04/28/21	Purchased	Hyundai Auto Rec	224,976	09/15/25	0.39%
Change in investments during the month			<u>\$ 545,446</u>		

	<u>Current</u>
Weighted average annual yield for total Vallecitos investments	1.100%
Weighted average days to maturity	438

The State Treasurer's Office provides fair market values of LAIF quarterly on their web site. The most recent valuation, which is used on this report, is as of March 31, 2021. The San Diego County Treasurer provides the fair values for the County investment pool. The most recent values and returns, which are used for this report, are for March 31, 2021. Fair values for federal agency obligations and corporate notes are provided by Union Bank trust account reporting.

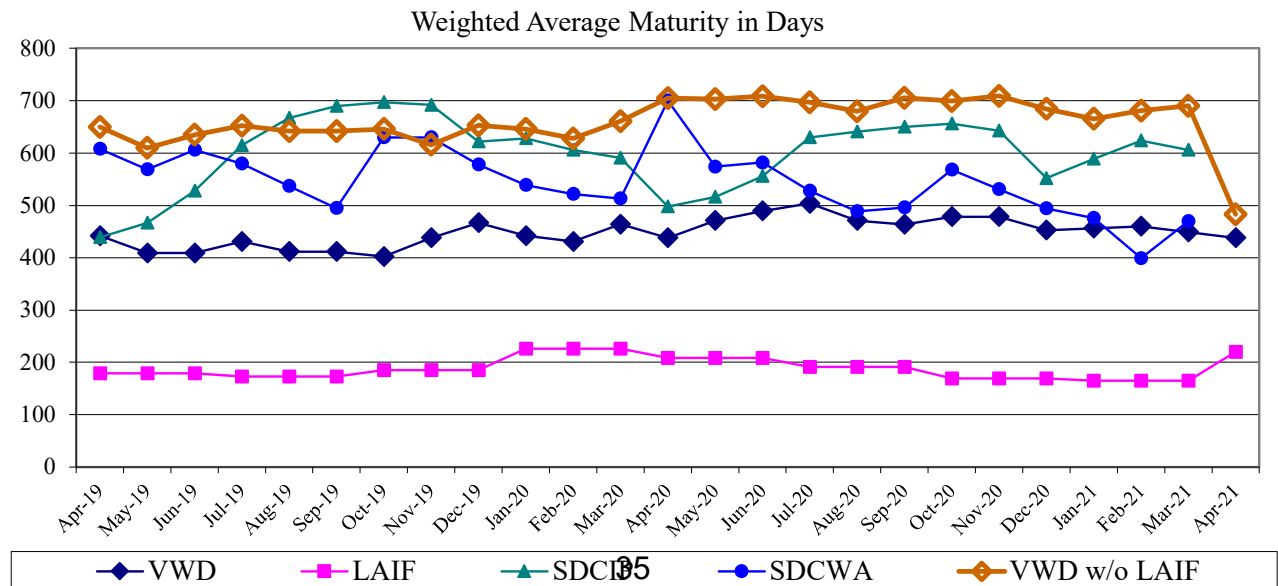
Safety

Criteria for selecting investments and the absolute order of priority are safety, liquidity and yield. To meet the objective of safety and avert credit risk, the District acquires only those investments permitted by the Board adopted investment policy and within the limits established by the policy. Credit risk is the risk that an issuer or other counter party to an investment will not fulfill its obligation. The District also limits risk by investing in a range of investments to ensure diversification as indicated in the graph below.



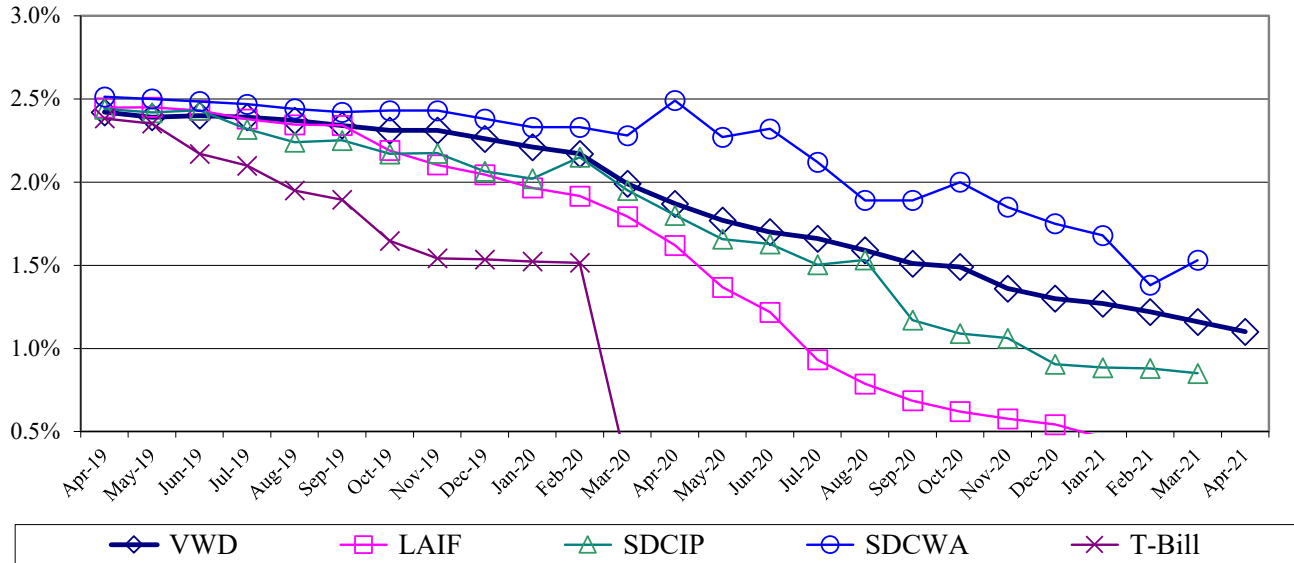
Liquidity

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of investments. The District averts interest rate risk by limiting terms of investments in accordance with the Investment Policy. Maturity in days is a measure of liquidity. The next graph compares the District's liquidity to other managed portfolios. The District's liquidity is graphed with and without LAIF. With LAIF the District is in fact very liquid with \$20.0 million available the same day. But for comparative purposes LAIF is eliminated from the District's portfolio and shown separately.



Yield

The next graph compares the District’s effective yield to LAIF, SDCIP, San Diego County Water Authority (SDCWA), and the average 91-day Treasury bill rate.



Investment/Debt Management

On March 7, 2018 the District entered into a contract with Chandler Asset Management to provide professional investment management and advisory services. Chandler manages the District’s investments in accordance with the District’s policy of safety, liquidity, and yield and continues to maintain investments of varying types within limits allowed by the investment policy (100% in federal agency obligations, 100% in LAIF, 100% in other local government investment pools, 25% in FDIC-backed corporate notes, 25% in commercial paper, 20% in certificates of deposit). Chandler’s portfolio summary is attached.





**PORTFOLIO CHARACTERISTICS**

Average Modified Duration	1.20
Average Coupon	1.16%
Average Purchase YTM	1.10%
Average Market YTM	0.32%
Average S&P/Moody Rating	AA+/Aa1
Average Final Maturity	1.27 yrs
Average Life	1.21 yrs

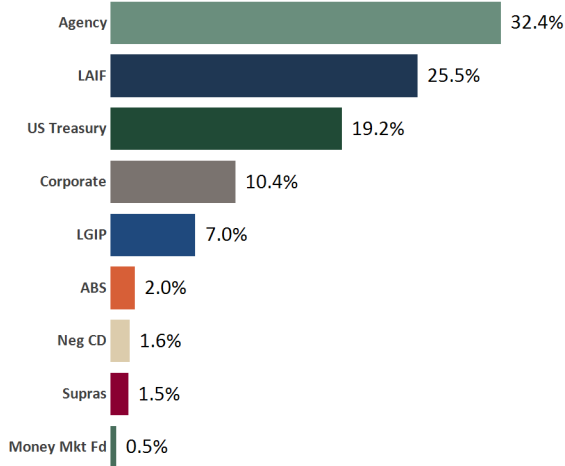
**ACCOUNT SUMMARY**

	Beg. Values as of 3/31/21	End Values as of 4/30/21
Market Value	77,763,728	78,429,608
Accrued Interest	198,492	204,568
<b>Total Market Value</b>	<b>77,962,219</b>	<b>78,634,176</b>
Income Earned	71,339	70,030
Cont/WD		
Par	76,734,185	77,468,242
Book Value	76,873,594	77,604,811
Cost Value	76,835,763	77,598,718

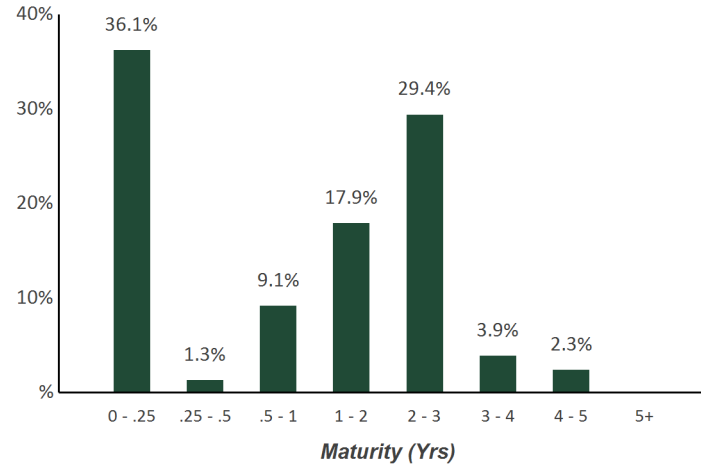
**TOP ISSUERS**

Local Agency Investment Fund	25.5%
Government of United States	19.2%
Federal Home Loan Mortgage Corp	10.6%
Federal Farm Credit Bank	9.6%
Federal Home Loan Bank	7.1%
County of San Diego Pooled Inve	7.0%
Federal National Mortgage Assoc	5.1%
Intl Bank Recon and Development	1.5%
<b>Total</b>	<b>85.6%</b>

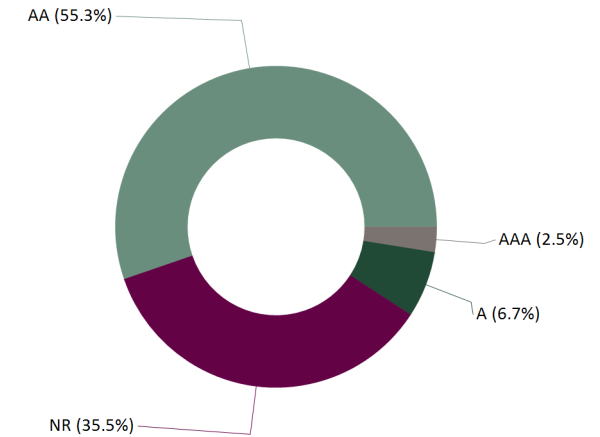
**SECTOR ALLOCATION**



**MATURITY DISTRIBUTION**



**CREDIT QUALITY (S&P)**



# Statement of Compliance

As of April 30, 2021



## Vallecitos Water District Consolidated Account

This portfolio is a consolidation of assets managed by Chandler Asset Management and assets managed internally by the Client. Chandler relies on Client to provide accurate information for reporting assets and producing this compliance statement.

Category	Standard	Comment
U.S. Treasuries	No limitation; Full faith and credit of the U.S. are pledged for the payment of principal and interest	Complies
Federal Agencies	30% per agency/GSE issuer; Federal agencies or U.S. government-sponsored enterprise obligations, participations, or other instruments, including those issued by or fully guaranteed as to principal and interest by federal agencies or U.S. government-sponsored enterprises	Complies
Supranational Obligations	"AA" rating category or higher by a NRSRO; 25% max; 5% max per issuer; USD denominated senior unsecured unsubordinated obligations; Issued or unconditionally guaranteed by International Bank for Reconstruction and Development (IBRD), International Finance Corporation (IFC), or Inter-American Development Bank (IADB)	Complies
Municipal Securities	"A" rating category or higher by a NRSRO; 25% max; 5% max per issuer; Include obligations of the District, the State of California, any of the other 49 states, and any local agency within the State of California	Complies
Corporate Medium Term Notes	"A" rating category or higher by a NRSRO; 25% max; 5% max per issuer; Issuer is a corporation organized and operating within the U.S. or by depository institutions licensed by the U.S. or any state and operating within the U.S.	Complies
Non Agency Asset-Backed Securities, Mortgage-Backed Securities; Mortgage Pass-Through Securities; Collateralized Mortgage Obligations	"AA" rating category or higher by a NRSRO; 20% max (combined Asset-Backed Securities, Mortgage-Backed Securities; Mortgage Pass-Through Securities; Collateralized Mortgage Obligations); 5% max per Asset-Backed or Commercial Mortgage security issuer; No issuer limitation on any Mortgage security where the issuer is the US Treasury or Federal Agency/GSE.	Complies
Agency Asset-Backed Securities, Mortgage-Backed Securities; Mortgage Pass-Through Securities; Collateralized Mortgage Obligations	30% max per Federal Agency/GSE issuer	Complies
Negotiable Certificates of Deposit (NCD)	The amount of CD insured up to the Federal Deposit Insurance Corporation (FDIC) or National Credit Union Administration (NCUA) limit does not require any credit ratings; Any amount above the FDIC or NCUA insured limit must be issued by institutions which have short-term debt obligations rated "A-1" or higher by a NRSRO, or long term obligations with "A" rating category or higher by a NRSRO ; 20% max (combined CDs, NCDs,TDs); 5% max per issuer or institution; Negotiable Certificates of Deposit in or issued by a nationally or state-chartered bank, a savings association or federal association, a state or federal credit union, or by a federally-licensed or state-licensed branch of a foreign bank.	Complies
FDIC Insured Time Deposits (Non-negotiable CD/TD)	20% max (combined CDs,NCDs,TDs); 5% max per issuer or institution; The amount per institution is limited to maximum covered under FDIC; Non-Negotiable Certificates of Deposit in or issued by a nationally or state-chartered bank, a savings association or federal association, a state or federal credit union, or by a federally-licensed or state-licensed branch of a foreign bank.	Complies
Collateralized Time Deposits (Non-negotiable CD/TD)	20% max (combined CDs,NCDs,TDs); 5% max per issuer or institution; Amounts deposited in excess of insured amounts are fully collateralized with securities in accordance with California law; Non-Negotiable Certificates of Deposit in or issued by a nationally or state-chartered bank, a savings association or federal association, a state or federal credit union, or by a federally-licensed or state-licensed branch of a foreign bank.	Complies
Collateralized Bank Deposits	District's deposits with financial institutions will be collateralized with pledged securities per California Government Code	Complies
Banker's Acceptances	"A-1" short-term debt rated or higher by a NRSRO; or "A" long-term debt rating category or higher by a NRSRO; 20% max; 5% max per issuer; 180 days max maturity	Complies
Commercial Paper	"A-1" rated or higher by a NRSRO; "A" issuer rating category or higher by a NRSRO, if any long-term obligations; 25% max, if the District's assets total \$100 million or less; 40% max until January 1, 2026 unless this is extended, if the District's investment assets total more than \$100 million; 5% max per issuer; 270 days max maturity; Issuer is a corporation organized and operating in the U.S. with assets >\$500 million; or Issued by entities organized within the U.S. as a special purpose corporation, trust, or limited liability company, provided that the securities have program-wide credit enhancements including, but not limited to, overcollateralization, letters of credit, or a surety bond; 10% max of the outstanding commercial paper of any single issuer.	Complies
Money Market Mutual Funds	Registered with the SEC under Investment Company Act of 1940 and Funds meet either of the following criteria: (1) Highest rating by two NRSROs; or (2) Retained an investment adviser registered or exempt from SEC registration with > 5 years experience investing in securities and obligations authorized by California Government Code, and with AUM >\$500 million; 20% max in Money Market Mutual Funds; 20% max per issuer	Complies
Investment Pools/Mutual Funds	The District shall conduct a thorough investigation in any pool or mutual fund prior to making an investment	Complies
Local District Investment Fund (LAIF)	Maximum amount permitted by LAIF; Not used by Investment Adviser	Complies
Local Government Investment Pool (LGIP)	Maximum amount permitted by the LGIP; Not used by Investment Adviser	Complies
Repurchase Agreements	25% max; 10% max per institution; 1 year max maturity; 102% collateralized; Not used by Investment Adviser	Complies
Prohibited	Inverse floaters, range notes, mortgage derived interest-only strips; zero interest accrual if held to maturity; Trading securities for the sole purpose of speculating on the future direction of interest rates; Purchasing or selling securities on margin; Reverse Repurchase Agreements; Securities lending; Foreign currency denominated securities	Complies
Max Callable Securities	30% max (does not include "make whole call" securities)	Complies
Max Per Issuer	5% max per single issuer, except where the issue is the US Government, Agencies/GSEs, Supranationals, Money Market Mutual Fund, Local District Investment Fund (LAIF) or other Local Government Investment Pool, or unless otherwise specified in the investment policy.	Complies
Maximum maturity	5 years, unless the Board of Directors has by resolution granted authority to make such an investment	Complies

Vallecitos Water District Consolidated Account

Account #10594

Holdings Report

As of April 30, 2021



CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
<b>ABS</b>									
43814UAG4	Honda Auto Receivables Trust 2018-2 A3 3.01% Due 5/18/2022	15,822.74	05/22/2018 3.03%	15,822.40 15,822.65	100.42 0.25%	15,888.53 17.20	0.02% 65.88	NR / AAA AAA	1.05 0.15
43815HAC1	Honda Auto Receivables Trust 2018-3 A3 2.95% Due 8/22/2022	51,607.70	08/21/2018 2.98%	51,600.62 51,605.37	100.72 0.23%	51,981.60 42.29	0.07% 376.23	Aaa / NR AAA	1.31 0.27
47789KAC7	John Deere Owner Trust 2020-A A3 1.1% Due 8/15/2024	275,000.00	03/04/2020 1.11%	274,983.20 274,987.52	100.85 0.39%	277,330.08 134.44	0.35% 2,342.56	Aaa / NR AAA	3.30 1.19
89236XAC0	Toyota Auto Receivables 2020-D A3 0.35% Due 1/15/2025	220,000.00	10/06/2020 0.36%	219,959.01 219,964.28	100.00 0.35%	219,997.80 34.22	0.28% 33.52	NR / AAA AAA	3.72 1.27
43813GAC5	Honda Auto Receivables Trust 2021-1 A3 0.27% Due 4/21/2025	130,000.00	02/17/2021 0.27%	129,997.62 129,997.76	99.89 0.34%	129,860.25 9.75	0.17% (137.51)	Aaa / NR AAA	3.98 1.49
89240BAC2	Toyota Auto Receivables Owners 2021- A A3 0.26% Due 5/15/2025	475,000.00	02/02/2021 0.27%	474,911.84 474,918.23	99.90 0.32%	474,538.78 54.89	0.60% (379.45)	Aaa / NR AAA	4.04 1.58
47788UAC6	John Deere Owner Trust 2021-A A3 0.36% Due 9/15/2025	185,000.00	03/02/2021 0.37%	184,964.44 184,965.85	99.77 0.49%	184,570.43 29.60	0.23% (395.42)	Aaa / NR AAA	4.38 1.79
44933LAC7	Hyundai Auto Receivables Trust 2021-A A3 0.38% Due 9/15/2025	225,000.00	04/20/2021 0.38%	224,976.33 224,976.39	100.00 0.38%	225,004.95 7.13	0.29% 28.56	NR / AAA AAA	4.38 2.23
<b>Total ABS</b>		<b>1,577,430.44</b>	<b>0.57%</b>	<b>1,577,215.46</b> <b>1,577,238.05</b>	<b>0.36%</b>	<b>1,579,172.42</b> <b>329.52</b>	<b>2.01%</b> <b>1,934.37</b>	<b>Aaa / AAA</b> <b>AAA</b>	<b>3.83</b> <b>1.52</b>
<b>AGENCY</b>									
3133EJ3B3	FFCB Note 2.8% Due 12/17/2021	1,000,000.00	12/26/2018 2.70%	1,002,780.00 1,000,588.77	101.72 0.07%	1,017,210.00 10,422.22	1.31% 16,621.23	Aaa / AA+ AAA	0.63 0.62
3137EADB2	FHLMC Note 2.375% Due 1/13/2022	1,000,000.00	03/25/2020 0.63%	1,031,090.00 1,012,143.05	101.62 0.07%	1,016,168.00 7,125.00	1.30% 4,024.95	Aaa / AA+ AAA	0.71 0.70
3133EKBV7	FFCB Note 2.55% Due 3/1/2022	750,000.00	02/27/2019 2.55%	750,075.00 750,020.80	102.06 0.09%	765,422.25 3,187.50	0.98% 15,401.45	Aaa / AA+ AAA	0.84 0.83
313378WG2	FHLB Note 2.5% Due 3/11/2022	500,000.00	04/08/2019 2.36%	501,945.00 500,572.38	102.09 0.08%	510,430.50 1,736.11	0.65% 9,858.12	Aaa / AA+ NR	0.86 0.86



CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
<b>AGENCY</b>									
3135G0V59	FNMA Note 2.25% Due 4/12/2022	1,000,000.00	03/24/2020 0.59%	1,033,760.00 1,015,616.26	102.06 0.08%	1,020,570.00 1,187.50	1.30% 4,953.74	Aaa / AA+ AAA	0.95 0.94
3133ELYR9	FFCB Note 0.25% Due 5/6/2022	1,050,000.00	04/30/2020 0.31%	1,048,666.50 1,049,324.12	100.18 0.07%	1,051,900.50 1,276.04	1.34% 2,576.38	Aaa / AA+ AAA	1.02 1.01
3134GVJ66	FHLMC Note 0.25% Due 6/8/2022	1,000,000.00	06/04/2020 0.28%	999,400.00 999,668.77	100.17 0.09%	1,001,746.00 993.06	1.28% 2,077.23	Aaa / NR AAA	1.11 1.10
3133ELN26	FFCB Note 0.26% Due 6/22/2022	1,000,000.00	06/17/2020 0.28%	999,530.00 999,731.52	100.18 0.11%	1,001,771.00 931.67	1.28% 2,039.48	Aaa / AA+ AAA	1.15 1.14
313383WD9	FHLB Note 3.125% Due 9/9/2022	500,000.00	01/30/2019 2.68%	507,580.00 502,854.73	104.08 0.12%	520,384.00 2,256.94	0.66% 17,529.27	Aaa / AA+ AAA	1.36 1.34
3130AFE78	FHLB Note 3% Due 12/9/2022	1,000,000.00	01/25/2019 2.71%	1,010,700.00 1,004,451.38	104.52 0.18%	1,045,193.00 11,833.33	1.34% 40,741.62	Aaa / AA+ AAA	1.61 1.56
3137EAER6	FHLMC Note 0.375% Due 5/5/2023	985,000.00	05/05/2020 0.39%	984,586.30 984,722.18	100.35 0.20%	988,447.50 1,805.83	1.26% 3,725.32	Aaa / AA+ AAA	2.01 2.00
3135G04Q3	FNMA Note 0.25% Due 5/22/2023	1,055,000.00	05/20/2020 0.35%	1,051,824.45 1,052,822.07	100.13 0.19%	1,056,392.60 1,164.90	1.34% 3,570.53	Aaa / AA+ AAA	2.06 2.05
3133834G3	FHLB Note 2.125% Due 6/9/2023	650,000.00	10/30/2019 1.66%	660,432.50 656,091.57	104.02 0.21%	676,138.45 5,448.26	0.87% 20,046.88	Aaa / AA+ NR	2.11 2.06
3137EAES4	FHLMC Note 0.25% Due 6/26/2023	965,000.00	06/24/2020 0.35%	962,182.20 962,977.36	100.06 0.22%	965,617.60 837.67	1.23% 2,640.24	Aaa / AA+ AAA	2.16 2.15
3135G05G4	FNMA Note 0.25% Due 7/10/2023	875,000.00	07/08/2020 0.32%	873,118.75 873,625.57	100.08 0.22%	875,667.63 674.48	1.11% 2,042.06	Aaa / AA+ AAA	2.19 2.19
3133EKZK5	FFCB Note 1.6% Due 8/14/2023	1,000,000.00	08/28/2019 1.48%	1,004,700.00 1,002,714.04	103.14 0.23%	1,031,353.00 3,422.22	1.32% 28,638.96	Aaa / AA+ AAA	2.29 2.25
3137EAEV7	FHLMC Note 0.25% Due 8/24/2023	1,000,000.00	09/24/2020 0.24%	1,000,230.00 1,000,182.83	100.02 0.24%	1,000,205.00 465.28	1.27% 22.17	Aaa / AA+ AAA	2.32 2.31
3130A3DL5	FHLB Note 2.375% Due 9/8/2023	700,000.00	10/09/2019 1.44%	724,864.00 714,963.64	104.95 0.27%	734,654.20 2,447.57	0.94% 19,690.56	Aaa / AA+ NR	2.36 2.30
3137EAEW5	FHLMC Note 0.25% Due 9/8/2023	660,000.00	09/02/2020 0.26%	659,782.20 659,829.57	100.02 0.24%	660,116.16 242.92	0.84% 286.59	Aaa / AA+ AAA	2.36 2.35
3133EMBS0	FFCB Note 0.2% Due 10/2/2023	1,000,000.00	11/12/2020 0.28%	997,720.00 998,085.93	99.86 0.26%	998,619.00 161.11	1.27% 533.07	Aaa / AA+ AAA	2.42 2.41

Vallecitos Water District Consolidated Account

Account #10594

Holdings Report

As of April 30, 2021



CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
<b>AGENCY</b>									
3137EAEY1	FHLMC Note 0.125% Due 10/16/2023	825,000.00	10/14/2020 0.25%	821,922.75 822,476.37	99.66 0.26%	822,231.30 42.97	1.05% (245.07)	Aaa / AA+ AAA	2.46 2.45
3137EAEZ8	FHLMC Note 0.25% Due 11/6/2023	1,075,000.00	11/03/2020 0.28%	1,074,032.50 1,074,188.75	99.98 0.26%	1,074,734.48 1,313.89	1.37% 545.73	Aaa / AA+ AAA	2.52 2.50
3137EAF2	FHLMC Note 0.25% Due 12/4/2023	770,000.00	12/02/2020 0.28%	769,237.70 769,340.73	99.95 0.27%	769,593.44 786.04	0.98% 252.71	Aaa / AA+ AAA	2.60 2.58
3130A3VC5	FHLB Note 2.25% Due 12/8/2023	1,000,000.00	02/13/2020 1.46%	1,029,240.00 1,019,962.12	104.99 0.33%	1,049,883.00 8,937.50	1.35% 29,920.88	Aaa / AA+ NR	2.61 2.52
3135G0V34	FNMA Note 2.5% Due 2/5/2024	1,000,000.00	01/30/2020 1.44%	1,041,280.00 1,028,439.84	106.05 0.30%	1,060,469.00 5,972.22	1.36% 32,029.16	Aaa / AA+ AAA	2.77 2.67
3133EKM1	FFCB Note 2.23% Due 2/23/2024	750,000.00	07/30/2019 1.91%	760,425.00 756,425.00	105.13 0.39%	788,508.75 3,159.17	1.01% 32,083.75	Aaa / AA+ AAA	2.82 2.73
3133EMRZ7	FFCB Note 0.25% Due 2/26/2024	850,000.00	02/22/2021 0.26%	849,694.00 849,711.88	99.75 0.34%	847,902.20 383.68	1.08% (1,809.68)	Aaa / AA+ AAA	2.83 2.81
3130A7PH2	FHLB Note 1.875% Due 3/8/2024	1,000,000.00	03/03/2020 0.85%	1,040,350.00 1,028,699.45	104.31 0.36%	1,043,073.00 2,760.42	1.33% 14,373.55	Aaa / AA+ NR	2.86 2.78
<b>Total Agency</b>		<b>24,960,000.00</b>	<b>0.95%</b>	<b>25,191,148.85</b> <b>25,090,230.68</b>	<b>0.21%</b>	<b>25,394,401.56</b> <b>80,975.50</b>	<b>32.40%</b> <b>304,170.88</b>	<b>Aaa / AA+</b> <b>AAA</b>	<b>1.93</b> <b>1.91</b>
<b>CORPORATE</b>									
369550BE7	General Dynamics Corp Note 3% Due 5/11/2021	350,000.00	06/28/2018 3.08%	349,247.50 349,992.81	100.06 0.99%	350,213.50 4,958.33	0.45% 220.69	A2 / A- NR	0.03 0.03
857477AV5	State Street Bank Note 1.95% Due 5/19/2021	500,000.00	10/12/2018 3.30%	483,360.00 499,683.38	100.08 0.50%	500,380.50 4,387.50	0.64% 697.12	A1 / A AA-	0.05 0.05
808513AW5	Charles Schwab Corp Callable Note Cont 4/21/2021 3.25% Due 5/21/2021	320,000.00	Various 3.25%	321,372.10 319,999.94	100.05 1.42%	320,161.28 4,622.22	0.41% 161.34	A2 / A A	0.06 0.03
931142EJ8	Wal-Mart Stores Note 3.125% Due 6/23/2021	290,000.00	06/20/2018 3.13%	289,985.50 289,999.30	100.37 0.60%	291,074.16 3,222.22	0.37% 1,074.86	Aa2 / AA AA	0.15 0.15
02665WBG5	American Honda Finance Note 1.7% Due 9/9/2021	500,000.00	07/20/2018 3.19%	478,045.00 497,483.72	100.51 0.28%	502,540.00 1,227.78	0.64% 5,056.28	A3 / A- NR	0.36 0.36
89233P5F9	Toyota Motor Credit Corp Note 3.4% Due 9/15/2021	500,000.00	05/31/2018 3.03%	505,785.00 500,661.01	101.14 0.34%	505,724.50 2,172.22	0.65% 5,063.49	A1 / A+ A+	0.38 0.37

**Vallecitos Water District Consolidated Account**

Account #10594

**Holdings Report**

As of April 30, 2021



CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
<b>CORPORATE</b>									
24422ETL3	John Deere Capital Corp Note 2.65% Due 1/6/2022	500,000.00	Various 3.29%	489,627.50 497,943.34	101.62 0.27%	508,120.00 4,232.64	0.65% 10,176.66	A2 / A A	0.69 0.68
74005PBA1	Praxair Callable Note Cont 11/15/2021 2.45% Due 2/15/2022	300,000.00	06/27/2018 3.15%	292,848.00 298,437.02	101.17 0.29%	303,502.20 1,551.67	0.39% 5,065.18	A2 / A NR	0.80 0.54
037833CQ1	Apple Inc Callable Note Cont 4/11/2022 2.3% Due 5/11/2022	500,000.00	10/30/2018 3.30%	483,395.00 495,161.71	101.95 0.24%	509,731.00 5,430.56	0.66% 14,569.29	Aa1 / AA+ NR	1.03 0.93
084664BT7	Berkshire Hathaway Note 3% Due 5/15/2022	500,000.00	12/11/2018 3.31%	495,015.00 498,487.34	102.81 0.30%	514,040.00 6,916.67	0.66% 15,552.66	Aa2 / AA A+	1.04 1.02
09247XAJ0	Blackrock Inc Note 3.375% Due 6/1/2022	500,000.00	11/28/2018 3.36%	500,215.00 500,066.57	103.35 0.28%	516,756.50 7,031.25	0.67% 16,689.93	Aa3 / AA- NR	1.09 1.06
06051GEU9	Bank of America Corp Note 3.3% Due 1/11/2023	400,000.00	09/05/2019 2.13%	414,984.00 407,614.82	105.05 0.32%	420,191.20 4,033.33	0.54% 12,576.38	A2 / A- A+	1.70 1.65
90331HNL3	US Bank NA Callable Note Cont 12/23/2022 2.85% Due 1/23/2023	480,000.00	07/22/2019 2.24%	489,580.80 484,613.83	104.14 0.33%	499,860.96 3,724.00	0.64% 15,247.13	A1 / AA- AA-	1.73 1.61
69353RFL7	PNC Bank Callable Note Cont 5/9/2023 3.5% Due 6/8/2023	500,000.00	06/11/2019 2.44%	519,580.00 510,133.27	106.28 0.38%	531,422.50 6,951.39	0.68% 21,289.23	A2 / A A+	2.11 1.94
69371RQ82	Paccar Financial Corp Note 0.8% Due 6/8/2023	300,000.00	06/01/2020 0.85%	299,583.00 299,707.53	100.90 0.37%	302,693.10 953.33	0.39% 2,985.57	A1 / A+ NR	2.11 2.08
931142EK5	Wal-Mart Stores Callable Note Cont 5/26/2023 3.4% Due 6/26/2023	500,000.00	05/21/2019 2.65%	514,115.00 507,279.25	106.50 0.25%	532,501.00 5,902.78	0.68% 25,221.75	Aa2 / AA AA	2.16 2.00
808513BN4	Charles Schwab Corp Callable Note Cont 2/18/2024 0.75% Due 3/18/2024	600,000.00	Various 0.70%	600,858.00 600,827.00	100.64 0.52%	603,847.80 537.50	0.77% 3,020.80	A2 / A A	2.88 2.77
46647PBY1	JP Morgan Chase & Co Callable Note Cont 2/16/2024 0.563% Due 2/16/2025	365,000.00	02/09/2021 0.53%	365,000.00 365,000.00	99.39 0.78%	362,790.66 428.11	0.46% (2,209.34)	A2 / A- AA-	3.80 2.76
<b>Total Corporate</b>		<b>7,905,000.00</b>	<b>2.62%</b>	<b>7,892,596.40</b> <b>7,923,091.84</b>	<b>0.44%</b>	<b>8,075,550.86</b> <b>68,283.50</b>	<b>10.36%</b> <b>152,459.02</b>	<b>A1 / A+</b> <b>A+</b>	<b>1.27</b> <b>1.16</b>





CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
<b>LAIF</b>									
90LAIF\$00	Local Agency Investment Fund State Pool	20,029,728.57	Various 0.33%	20,029,728.57 20,029,728.57	1.00 0.33%	20,029,728.57 5,596.89	25.48% 0.00	NR / NR NR	0.00 0.00
<b>Total LAIF</b>		<b>20,029,728.57</b>	<b>0.33%</b>	<b>20,029,728.57</b>	<b>0.33%</b>	<b>5,596.89</b>	<b>0.00</b>	<b>NR / NR</b> <b>NR</b>	<b>0.00</b> <b>0.00</b>
<b>LOCAL GOV INVESTMENT POOL</b>									
90SDCP\$00	County of San Diego Pooled Investment Pool	5,535,000.00	Various 0.83%	5,535,000.00 5,535,000.00	1.00 0.83%	5,535,000.00 0.00	7.04% 0.00	NR / NR AAA	0.00 0.00
<b>Total Local Gov Investment Pool</b>		<b>5,535,000.00</b>	<b>0.83%</b>	<b>5,535,000.00</b>	<b>0.83%</b>	<b>0.00</b>	<b>0.00</b>	<b>NR / NR</b> <b>AAA</b>	<b>0.00</b> <b>0.00</b>
<b>MONEY MARKET FUND</b>									
261908206	Dreyfus Treasury Money Market Fund	371,083.40	Various 0.01%	371,083.40 371,083.40	1.00 0.01%	371,083.40 0.00	0.47% 0.00	Aaa / AAA NR	0.00 0.00
<b>Total Money Market Fund</b>		<b>371,083.40</b>	<b>0.01%</b>	<b>371,083.40</b>	<b>0.01%</b>	<b>0.00</b>	<b>0.00</b>	<b>Aaa / AAA</b> <b>NR</b>	<b>0.00</b> <b>0.00</b>
<b>NEGOTIABLE CD</b>									
20033AQU3	Comenity Capital Bank Negotiable CD 1.65% Due 6/30/2021	245,000.00	06/30/2016 1.65%	245,000.00 245,000.00	100.26 0.07%	245,645.09 11.08	0.31% 645.09	NR / NR NR	0.17 0.17
06417MMB8	Bank of Nova Scotia Houston Yankee CD 0.28% Due 11/24/2021	1,000,000.00	11/24/2020 0.28%	1,000,000.00 1,000,000.00	100.00 0.28%	1,000,000.00 1,221.11	1.27% 0.00	P-1 / A-1 F-1+	0.57 0.57
<b>Total Negotiable CD</b>		<b>1,245,000.00</b>	<b>0.55%</b>	<b>1,245,000.00</b>	<b>0.24%</b>	<b>1,245,645.09</b> <b>1,232.19</b>	<b>1.59%</b> <b>645.09</b>	<b>Aaa / AA</b> <b>AAA</b>	<b>0.49</b> <b>0.49</b>
<b>SUPRANATIONAL</b>									
459058GH0	Intl. Bank Recon & Development Note 2.75% Due 7/23/2021	750,000.00	07/24/2018 2.86%	747,607.50 749,818.32	100.57 0.26%	754,294.50 5,614.58	0.97% 4,476.18	Aaa / AAA NR	0.23 0.23



CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
<b>SUPRANATIONAL</b>									
459058JM6	Intl. Bank Recon & Development Note 0.25% Due 11/24/2023	395,000.00	11/17/2020 0.32%	394,150.75 394,273.29	99.82 0.32%	394,269.25 430.66	0.50% (4.04)	Aaa / AAA AAA	2.57 2.55
<b>Total Supranational</b>		<b>1,145,000.00</b>	<b>1.99%</b>	<b>1,141,758.25</b> <b>1,144,091.61</b>	<b>0.28%</b>	<b>1,148,563.75</b> <b>6,045.24</b>	<b>1.47%</b> <b>4,472.14</b>	<b>Aaa / AAA</b> <b>AAA</b>	<b>1.03</b> <b>1.02</b>
<b>US TREASURY</b>									
912828W55	US Treasury Note 1.875% Due 2/28/2022	1,000,000.00	01/30/2019 2.56%	979,921.88 994,587.48	101.50 0.08%	1,014,961.00 3,158.97	1.29% 20,373.52	Aaa / AA+ AAA	0.83 0.83
912828XR6	US Treasury Note 1.75% Due 5/31/2022	750,000.00	09/24/2018 2.93%	719,208.98 740,950.56	101.80 0.09%	763,535.25 5,480.77	0.98% 22,584.69	Aaa / AA+ AAA	1.08 1.07
912828XW5	US Treasury Note 1.75% Due 6/30/2022	350,000.00	09/07/2018 2.80%	336,792.97 345,958.97	101.93 0.10%	356,753.95 2,047.31	0.46% 10,794.98	Aaa / AA+ AAA	1.17 1.16
9128282P4	US Treasury Note 1.875% Due 7/31/2022	1,000,000.00	12/28/2018 2.53%	977,617.19 992,196.82	102.23 0.10%	1,022,266.00 4,661.60	1.31% 30,069.18	Aaa / AA+ AAA	1.25 1.24
912828L24	US Treasury Note 1.875% Due 8/31/2022	750,000.00	09/20/2018 2.94%	720,439.45 740,002.79	102.34 0.12%	767,578.50 2,369.23	0.98% 27,575.71	Aaa / AA+ AAA	1.34 1.32
9128282W9	US Treasury Note 1.875% Due 9/30/2022	1,000,000.00	03/19/2019 2.43%	981,406.25 992,548.09	102.48 0.12%	1,024,805.00 1,588.11	1.31% 32,256.91	Aaa / AA+ AAA	1.42 1.40
912828M80	US Treasury Note 2% Due 11/30/2022	800,000.00	12/24/2019 1.70%	806,875.00 803,713.79	102.95 0.14%	823,562.40 6,681.32	1.06% 19,848.61	Aaa / AA+ AAA	1.59 1.56
9128284D9	US Treasury Note 2.5% Due 3/31/2023	1,000,000.00	02/21/2019 2.51%	999,414.06 999,726.59	104.46 0.17%	1,044,648.00 2,117.49	1.33% 44,921.41	Aaa / AA+ AAA	1.92 1.88
912828R28	US Treasury Note 1.625% Due 4/30/2023	1,000,000.00	12/04/2019 1.60%	1,000,898.44 1,000,527.35	102.89 0.18%	1,028,906.00 44.16	1.31% 28,378.65	Aaa / AA+ AAA	2.00 1.97
912828R69	US Treasury Note 1.625% Due 5/31/2023	1,100,000.00	Various 2.00%	1,083,765.62 1,091,800.03	102.98 0.19%	1,132,785.50 7,464.29	1.45% 40,985.47	Aaa / AA+ AAA	2.08 2.04
912828T91	US Treasury Note 1.625% Due 10/31/2023	1,000,000.00	09/25/2019 1.60%	1,000,898.44 1,000,548.31	103.42 0.25%	1,034,219.00 44.16	1.32% 33,670.69	Aaa / AA+ AAA	2.50 2.46
91282CBE0	US Treasury Note 0.125% Due 1/15/2024	1,000,000.00	01/12/2021 0.24%	996,445.31 996,789.42	99.57 0.29%	995,664.00 366.02	1.27% (1,125.42)	Aaa / AA+ AAA	2.71 2.70





CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
<b>US TREASURY</b>									
912828V80	US Treasury Note 2.25% Due 1/31/2024	1,000,000.00	12/16/2019 1.71%	1,021,210.94 1,014,154.71	105.37 0.29%	1,053,711.00 5,593.92	1.35% 39,556.29	Aaa / AA+ AAA	2.76 2.67
912828X70	US Treasury Note 2% Due 4/30/2024	1,000,000.00	03/03/2020 0.71%	1,052,539.06 1,037,898.73	104.93 0.35%	1,049,258.00 54.35	1.33% 11,359.27	Aaa / AA+ AAA	3.00 2.92
912828ZF0	US Treasury Note 0.5% Due 3/31/2025	1,000,000.00	03/03/2021 0.54%	998,515.63 998,573.49	99.66 0.59%	996,641.00 423.50	1.27% (1,932.49)	Aaa / AA+ AAA	3.92 3.87
912828ZL7	US Treasury Note 0.375% Due 4/30/2025	950,000.00	04/12/2021 0.66%	939,238.28 939,369.34	99.07 0.61%	941,167.85 9.68	1.20% 1,798.51	Aaa / AA+ AAA	4.00 3.96
<b>Total US Treasury</b>		<b>14,700,000.00</b>	<b>1.77%</b>	<b>14,615,187.50</b> <b>14,689,346.47</b>	<b>0.24%</b>	<b>15,050,462.45</b> <b>42,104.88</b>	<b>19.19%</b> <b>361,115.98</b>	<b>Aaa / AA+</b> <b>AAA</b>	<b>2.16</b> <b>2.13</b>
<b>TOTAL PORTFOLIO</b>		<b>77,468,242.41</b>	<b>1.10%</b>	<b>77,598,718.43</b> <b>77,604,810.62</b>	<b>0.32%</b>	<b>78,429,608.10</b> <b>204,567.72</b>	<b>100.00%</b> <b>824,797.48</b>	<b>Aa1 / AA+</b> <b>AAA</b>	<b>1.27</b> <b>1.20</b>
<b>TOTAL MARKET VALUE PLUS ACCRUED</b>						<b>78,634,175.82</b>			

**VALLECITOS WATER DISTRICT  
SUMMARY OF LEGAL FEES**

<b>Matter Description</b>	<b>Mar-20</b>	<b>Apr-20</b>	<b>May-20</b>	<b>Jun-20</b>	<b>Jul-20</b>	<b>Aug-20</b>	<b>Sep-20</b>	<b>Oct-20</b>	<b>Nov-20</b>	<b>Dec-20</b>	<b>Jan-21</b>	<b>Feb-21</b>	<b>Mar-21</b>	<b>Total</b>
General Counsel Services	\$ 9,723	\$ 9,182	\$ 6,304	\$ 8,572	\$ 46,859	\$ 9,405	\$ 32,375	\$ 6,534	\$ 34,002	\$ 7,971	\$ 4,303	\$ 33,300	\$ 10,756	\$ 219,284
Labor/Employment	2,089	889	2,297	559	541	601	785	1,123	1,013	2,859	1,275	1,183	800	16,013.10
Engineering - Construction/Contracting	8,528	7,968	8,966	9,810	6,164	10,280	11,791	7,949	5,363	6,985	5,005	3,575	4,180	96,563.87
Fees and Taxes	2,550	240	-	180	215	156	-	-	-	-	-	-	890	4,231.01
Environmental	-	870	870	-	829	-	-	-	-	-	154	1,934	-	4,656.50
Adv. Butler	81	646	319	797	908	34	2,949	658	1,412	-	138	2,757	4,150	14,844.77
Renewable Energy	305	-	630	-	92	-	-	-	215	92	-	307	-	1,641.30
Litigation	-	-	-	565	61	768	4,386	5,312	3,937	3,197	5,198	4,276	7,568	35,268.25
Driscoll & Omens Prop 218 Sole	500	691	592	188	834	3,450	887	1,462	2,972	911	2,598	2,938	1,609	19,632.26
Driscoll & Omens Prop 218 Shared	2,323	1,089	1,406	466	429	1,433	1,685	1,021	502	547	429	204	142	11,676.83
Driscoll & Omens Prop 218 PRA Requests	-	-	-	-	-	-	2,138	964	1,280	3,544	774	1,272	510	10,482.47
<b>Total</b>	<b>\$ 26,098</b>	<b>\$ 21,575</b>	<b>\$ 21,383</b>	<b>\$ 21,137</b>	<b>\$ 56,932</b>	<b>\$ 26,126</b>	<b>\$ 56,996</b>	<b>\$ 25,024</b>	<b>\$ 50,695</b>	<b>\$ 26,106</b>	<b>\$ 19,873</b>	<b>\$ 51,745</b>	<b>\$ 30,605</b>	<b>\$ 434,295</b>

## Vallecitos Board Approves Refunding almost \$1.6 Million to Existing Water Customers

At its February 25, 2021, Board meeting, the San Diego County Water Authority (CWA) Board of Directors announced a plan to distribute a refund of \$44.4 million to its 24 member agencies across the region after receiving a check for that amount from the Los Angeles-based Metropolitan Water District of Southern California to pay legal damages and interest. The funds were directed to be allocated based on the water purchases made by the Member Agencies during the 2011 through 2014 time period. Vallecitos' share of the award was determined to be \$1,590,623.74. CWA wire transferred the funds to Vallecitos on Thursday, March 4, 2021.

The Vallecitos Water District's Board of Directors voted on April 7, 2021, to make one-time refunds, as a credit to bills to Vallecitos water customers' of record as of April 7, 2021, by meter size. Refunds for an average residential customer with a meter size of less than one inch are expected to be around \$55.00. Customers with one inch and larger meters will receive a proportionally larger refund.

Vallecitos customers that are sewer only customers, will not receive a financial refund. Further, certain multi-family residential properties (such as apartment buildings) or commercial properties (such as strip malls) with only one meter, will only receive one refund credit to the account holder of record. Tenants, whether residential or commercial, that do not receive a direct water bill from the Vallecitos Water District, will not receive a financial refund from the District.

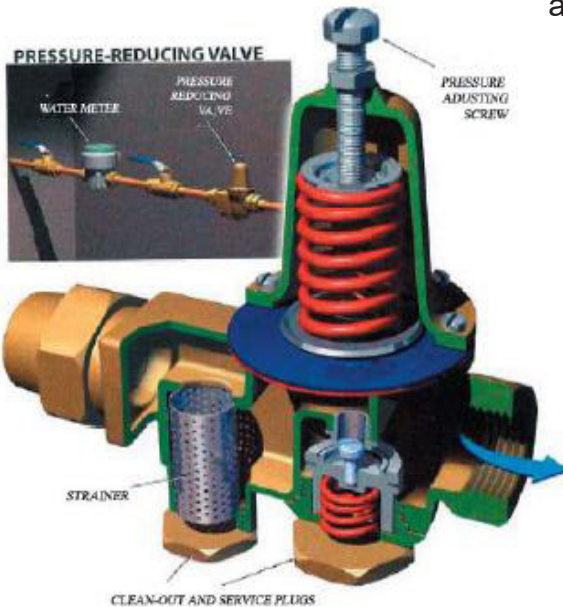
Additional information about the CWA lawsuit can be found here: <http://bit.ly/MWDrefund>. Additional information about Vallecitos effort to return funds to Vallecitos water customers can be found on our website: [www.vwd.org](http://www.vwd.org).



# Household Water Pressure Regulators

## Q: What is the function of a pressure regulator?

A: A household water pressure regulator reduces the water pressure from the public water main to a pressure that is usable by the customer and compatible with normal household plumbing and fixtures. It also prevents pressure surges from entering the household plumbing from the public main. High water pressure can result in dripping faucets and water pipes, and it can damage appliances.



## Q: How does a pressure regulator work?

A: A pressure regulator is a spring-loaded valve that regulates pressure on the downstream (house) side of the valve. Altering the degree of spring compression changes the downstream pressure.

## Q: Who is responsible for installing and maintaining the pressure regulator?

A: The property owner is responsible for installing and maintaining the pressure regulator.

## Q: Where should the pressure regulator be installed?

A: On new installations, the pressure regulator is usually installed downstream, (on the house side) of the water meter, near the house.

## Q: How do I know if the pressure regulator is working?

A: There are a few ways to ensure proper regulator operation. One option is installing a gauge on both sides of the regulator. If the upstream reads higher than the downstream house side gauge, then the regulator is working properly. If there are no gauges, you might notice symptoms of pressure malfunction, which include “clanging” or “rattling” of pipes when plumbing fixtures are in use.

## Q: Can I adjust and repair my pressure regulator?

A: Yes. A homeowner or plumber can accomplish this by consulting the pressure regulator manufacturer’s instructions. The adjustment mechanism is usually a screw on top of the regulator. Turning this screw changes the degree of spring compression. Generally, turning the screw clockwise increases house water pressure and turning the screw counter-clockwise reduces house pressure. Repair kits for rebuilding pressure regulators are usually available from the manufacturer. The assistance of a licensed plumber for pressure regulator installation and maintenance is recommended.

## Q: To what pressure should I adjust my pressure regulator?

A: Most homeowners set their pressure at approximately 50 pounds per square inch (psi), but it’s mostly a matter of owner preference. However, lower settings will help conserve water and the life of plumbing fixtures.

## Q: Are pressure regulators required?

A: Yes, Section 608.2 Excessive Water Pressure of the Uniform Plumbing Code requires pressure regulators with a strainer whenever the static water pressure from the supply piping exceeds 80 psi. They are especially valuable in controlling surges that may occur in the public supply.

## Vallecitos Wins Two Awards for Innovative Use of Technology

The Vallecitos Water District (VWD) recently received two awards for its innovative use of technology to reduce algae blooms at Mahr Reservoir. VWD received the “Excellence in Action” national award from the WaterReuse Association and the “Innovation and Resiliency” state award from the California Association of Sanitation Agencies.

VWD is known for its sustainable practices in water and wastewater treatment processes, without any compromise in water quality. VWD is now using a new ultrasound technology to address water quality at the Stanley A. Mahr Reservoir with a reduced need for chemical treatment.

Mahr Reservoir was completed in 1981. Originally called La Costa Storage No. 1 Dam and Reservoir, it was renamed after VWD’s original founder, 35-year board member Stanley A. Mahr. It stores up to 54-million gallons of reclaimed water to be used later for irrigation. VWD has contracts with the City of Carlsbad and Olivenhain Municipal Water District to provide water as needed, as much as five million gallons of recycled water daily.

Because the reservoir’s location receives intense sunlight with little rain, algal blooms can occur in the nutrient-rich recycled water. The most common method of treating algal blooms is with chemicals. They are costly and labor-intensive to apply. VWD instead uses technology developed by the international company LG Sonic, which provides a complete overview of the water quality allowing swift identification and treatment of algal blooms.



Every ten minutes, the LG Sonic buoy in the Mahr Reservoir measures and monitors green and blue-green algae population, pH, turbidity, dissolved oxygen, and water temperature. The data is collected in real time and uploaded to a web-based software. The software uses the data to predict algal blooms three to ten days in advance.

The LG Sonic buoy can create a sound barrier in the top water layer, which affects the buoyancy of the algae, preventing it from rising where it can absorb sunlight for photosynthesis to grow. Without sunlight and nutrients, algae cells sink to deeper water where they degrade due to natural bacteria and do not release toxins into the water. With overall algae levels reduced by this technology, the need for chemical treatment is also reduced, allowing the Vallecitos Water District to provide high quality reclaimed water to its customers. LG Sonic’s specific low-power ultrasonic transmitters emit signals which are not harmful to people, fish, plants, or other wildlife. To see video go to <https://www.vwd.org/about-us/the-work-we-do>.





201 Vallecitos de Oro  
 San Marcos, CA 92069  
 (760) 744-0460  
[www.vwd.org](http://www.vwd.org)



*Between the Pipes is a publication of information and interest to Vallecitos water and sewer customers. If you receive water or sewer services from another district, please disregard any information that does not apply to you.*

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ECRWSS

**Management Staff**

Glenn Pruium, General Manager  
 Rhondi Emmanuel, Administrative Services Manager  
 Ed Pedrazzi, Operations and Maintenance Manager  
 James Gumpel, District Engineer  
 Wes Owen, Finance Manager

Due to the evolving situation with the COVID-19 Novel Coronavirus and Executive Order N-29-20, VWD will hold future meetings via teleconferencing. The public is encouraged to watch or listen to the meeting from their homes and observe the meeting electronically or listen in by phone. The District’s Board meetings are held on the first and third Wednesday of each month at 5:00 p.m.

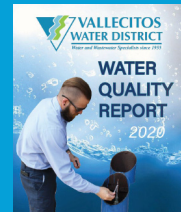
To provide public comments prior to the meeting, submit comments via e-mail at [PublicComment@VWD.org](mailto:PublicComment@VWD.org) up to 90 minutes in advance of the meeting. Comments received are handled by the Clerk of the Board of Directors as if submitted in person. All written comments that are received at least 90 minutes before the meeting will be provided to the Board, and a record of the receipt of comment will be noted during the meeting. To comment during the meeting or to watch or listen to the live meeting, go to [www.vwd.org/meetings](http://www.vwd.org/meetings).

Postal Customer

“Like us” on Facebook or follow us on Twitter  
 @vallecitoswater

**2020 Water Quality/Consumer Confidence Report**

The 2020 Water Quality Report will be available online June 30, 2021, at [www.vwd.org/waterquality](http://www.vwd.org/waterquality). The report will list the more than 200 compounds tested for throughout the year and the results. Tested water from Vallecitos consistently meets or exceeds all drinking water standards. To request a hard copy of the report, call us at (760) 744-0460.



**Speakers Bureau**

The wet and wonderful world of water can be slippery to understand, but it doesn’t have to be. Get a firm grasp on water, wastewater, and issues related to their services through Vallecitos Water District’s Speakers Bureau.

Let a member from the District’s knowledgeable staff or Board of Directors enlighten your group, class, club or association on a wide variety of topics. Call (760) 744-0460 Ext. 314 to schedule an event.





**DATE: MAY 19, 2021**  
**TO: BOARD OF DIRECTORS**  
**SUBJECT: APPROVAL OF CONSTRUCTION AGREEMENT FOR NGUYEN SINGLE FAMILY RESIDENCE APN: 222-360-35 (DUY AND PETRA NGUYEN)**

**BACKGROUND:**

Mr. and Mrs. Duy Nguyen, owners of the project, have completed the plan check process with the District. The project is located on La Sombra Drive south of Baja Way and north of Sunrise Way.

**DISCUSSION:**

A Construction Agreement is typically entered into between a developer and the District to ensure that the required public facilities are constructed to support the demands of the development.

The project will construct approximately 111 feet of 8-inch diameter PVC sewer main.

Upon completion of the new sewer facilities and the installation of a ¾" water meter on an existing main, water and sewer service will be available to 1 single family home.

All engineering fees and inspection deposits have been paid prior to Board approval of the Construction Agreement. Water and wastewater capital facility fees are due and payable prior to issuance of the final building inspection and/or utility release per Resolution 1441.

The owner has submitted standard surety bonds to guarantee completion of the project. The following bond amounts have been reviewed and approved by staff:

Labor and Materials	\$88,700.00
Faithful Performance	\$88,700.00

**FISCAL IMPACT:**

None. Future water and sewer revenues will offset costs of service.

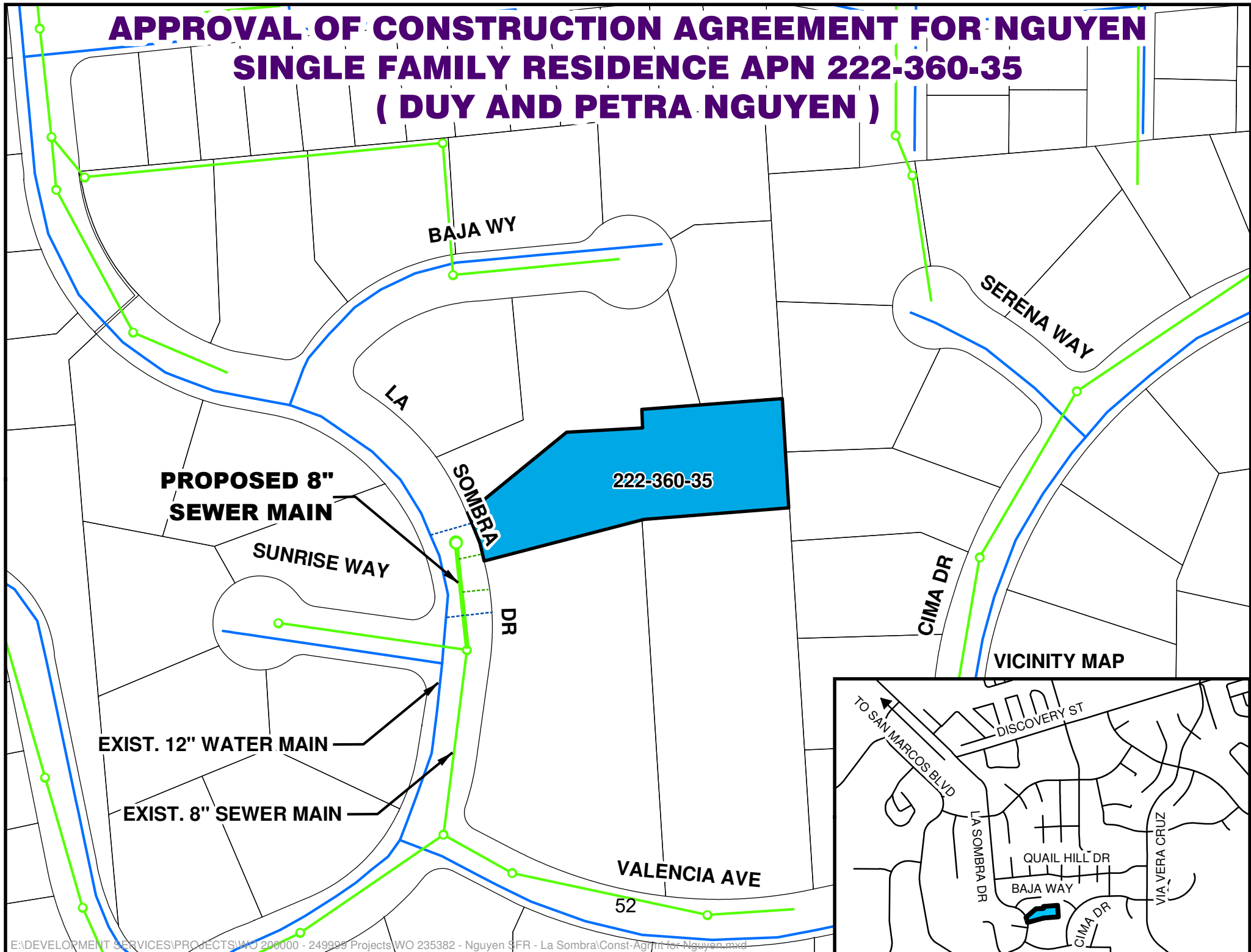
**RECOMMENDATION:**

Approve the construction agreement for Nguyen Single Family Residence.

**ATTACHMENTS:**

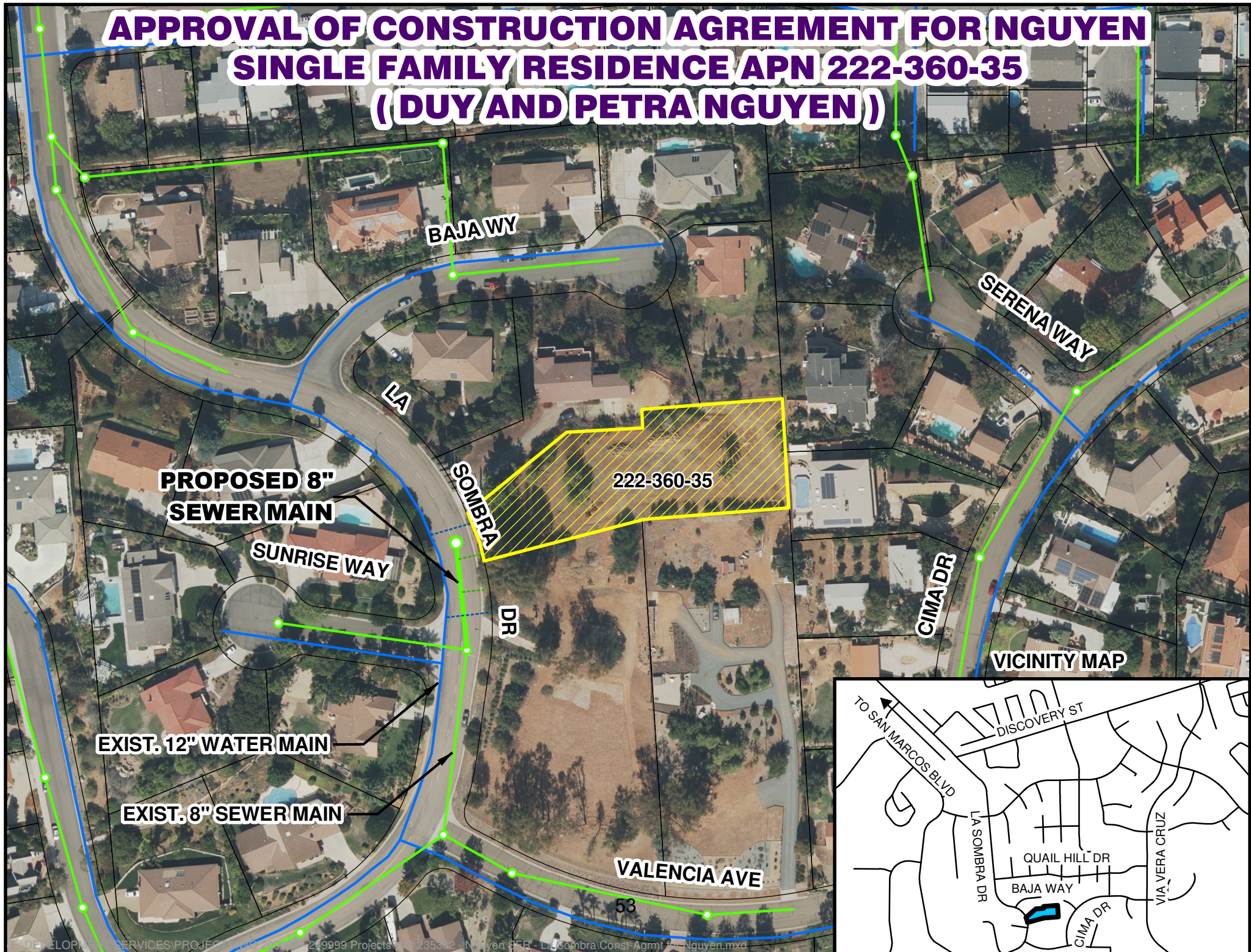
2 Map Exhibits – 1 Plat Map & 1 Aerial  
Construction Agreement

# APPROVAL OF CONSTRUCTION AGREEMENT FOR NGUYEN SINGLE FAMILY RESIDENCE APN 222-360-35 ( DUY AND PETRA NGUYEN )





# APPROVAL OF CONSTRUCTION AGREEMENT FOR NGUYEN SINGLE FAMILY RESIDENCE APN 222-360-35 (DUY AND PETRA NGUYEN)





**DATE: MAY 19, 2021**  
**TO: BOARD OF DIRECTORS**  
**SUBJECT: CHANGE ORDER 2 FOR THE SAN MARCOS INTERCEPTOR PROJECT, PHASE 2**

**BACKGROUND:**

The San Marcos Interceptor Project consists of replacing the existing 1960's era 21-inch diameter sewer interceptor with approximately 12,200-feet of 42-inch diameter sewer pipeline between Twin Oaks Valley Road and Pacific Street. The project was identified in the 1991 Master Plan and initially approved in the District's 1999/2000 Budget. The project has been phased to correspond to City of San Marcos (City) initiated development of the Creek District, with the following portions completed:

- 2002 - portion behind the Creekside Marketplace from SR-78 to Grand Avenue.
- 2005 - experimental pipe-bursting section from Twin Oaks Valley Road to east of Johnston Lane.
- 2013 - Phase 1A from Grand Avenue to Via Vera Cruz.
- 2014 - Phase 1 from east of Johnston Lane to the south side of SR-78.

Phase 2, extending from Via Vera Cruz to Pacific Street, will complete the remaining 3,400-feet of the project corridor. This project has been identified in the CIP Master Plan as CIP SP-11.

**DISCUSSION:**

The Board of Directors approved a construction contract with TC Construction (TC) for the San Marcos Interceptor Phase 2 Project in the amount of \$6,310,315 on June 17, 2020.

Over the course of construction between July 2020 to January 2021, the District authorized night work for the highly impacted areas of work in San Marcos Blvd between Pacific Street and Tamarisk Lane. Additional unforeseen underground utilities delayed the progress of construction approximately two months due to required sewer pipeline on San Marcos Blvd. and Pacific St. tunnel alignment redesign and approvals.

Staff received Proposed Change Order No. 1 from TC in the amount of \$310,916 in December 2020. Staff reviewed Proposed Change Order No. 1 for content and completeness for the additional work related to the San Marcos Blvd. alignment redesign and other less significant extra work items associated with the proposed small diameter water and sewer improvements. Upon completion of extra work negotiations and revisions, Staff authorized Change Order No. 1 in the amount of \$259,654 on January 14, 2021, which totals 4.1% of the original contract value. Per VWD Ordinance 146, the project budget was allocated a 5.0% contingency and the remaining contingency available after Change Order No. 1 was \$55,862. Any change order above this amount would require Board authorization.

Between the months of January and April, TC crews installed 42" diameter sewer interceptor in San Marcos Blvd. from the downstream connection at the tunnel in Pacific St. to Tamarisk Lane. The sewer alignment was offset toward the curb line in San Marcos Blvd approximately 6-feet from its original horizontal alignment due to a vertical elevation conflict with an existing 14" water transmission main. The horizontal offset of the proposed interceptor alignment created an unforeseen condition in the trench. The roadway fill material encountered under the pavement subgrade at this location was of poor composition and prone to caving. The construction manager identified a seam in the roadway backfill in the No. 1 Eastbound travel lane of San Marcos Blvd. which is presumably where the roadway was widened during past City improvements.

The seam at the roadway backfill transition opened a crack in the existing pavement during the work which ran parallel with the sewer alignment in San Marcos Blvd. The crack was observed to be crack-sealed prior to pre-construction in video review and confirmation. The north side of the trench wall would collapse regularly. The contractor attempted various means and methods to prevent the collapse of the trench wall including excavating in trench boxes, excavating smaller sets, and setting steel plate shoring, none of which prevented the instability of the north trench wall face. Inspectors observed the trench wall composition changed and did not collapse at the seam/crack. The construction means and methods by the Contractor were not a factor in creating the unforeseen condition. The backfill seam and resulting asphalt pavement crack beyond the sewer trench limits in San Marcos Blvd. are illustrated in Figure 1.

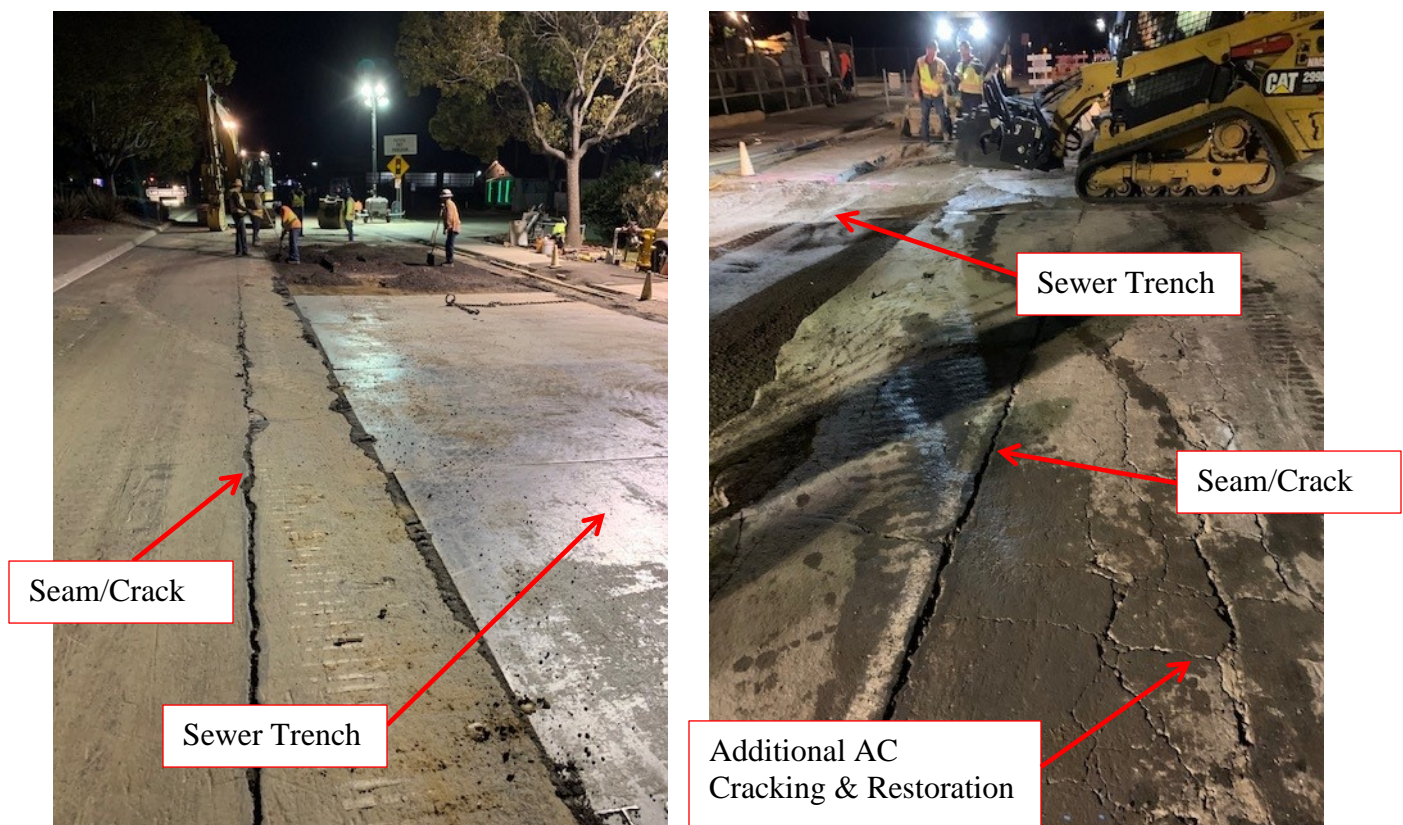


Figure 1 – San Marcos Blvd. Asphalt Pavement Crack

Additionally, the project encountered unforeseen asphalt concrete paving restoration needs at locations where extra water valve replacements were needed for isolation to safely install the interceptor sewer. Less significant additional roadway repairs to San Marcos Blvd. were also requested and negotiated between the District and the City of San Marcos near the intersection of Pacific St. Due to the unforeseen factors related to poor soils/trench collapse and District-initiated asphalt paving restoration work in San Marcos Blvd, TC exceeded the bid amount of AC pavement restoration in the contract.

Staff received Proposed Change Order No. 2 from TC in the amount of \$87,719 in May. Staff reviewed Proposed Change Order No. 2 for content and completeness for the additional materials and labor related to the additional asphalt pavement restoration work on San Marcos Blvd. Change Order No. 2 totals 1.4% of the original contract value, which when combined with Change Order No. 1 exceeds the 5% budget contingency per Ordinance 146. Change Orders No. 1 and No. 2 combine to total 5.5% of the original contract value. Staff expects to bring a final closing change order (future Change Order No. 3) for District-initiated extras including additional groundwater dewatering in San Marcos Creek before the Board in July.

**FISCAL IMPACT:**

The project is identified in the FY 20/21 Budget with a budget amount of \$8,500,000. The project funding sources are divided 29% from Sewer Replacement and 71% from Sewer Capacity funds. The total estimated cost and budget summary are as follows:

Budget	\$8,500,000
Construction	\$6,310,315
Change Order #1	\$ 259,654
Change Order #2	\$ 87,719
Planning, Design, and Environmental (K/J)	\$ 484,195
Staff & Overhead: Planning, Design, ROW Acquisition, And Environmental Services	\$ 385,000
Bid and Construction Phase Services (K/J)	\$ 87,138
CM&I (VCM)	\$ 636,174
Staff & Overhead: Construction Phase	\$ 245,000
Total	\$8,495,195
Budget Surplus	\$ 4,805

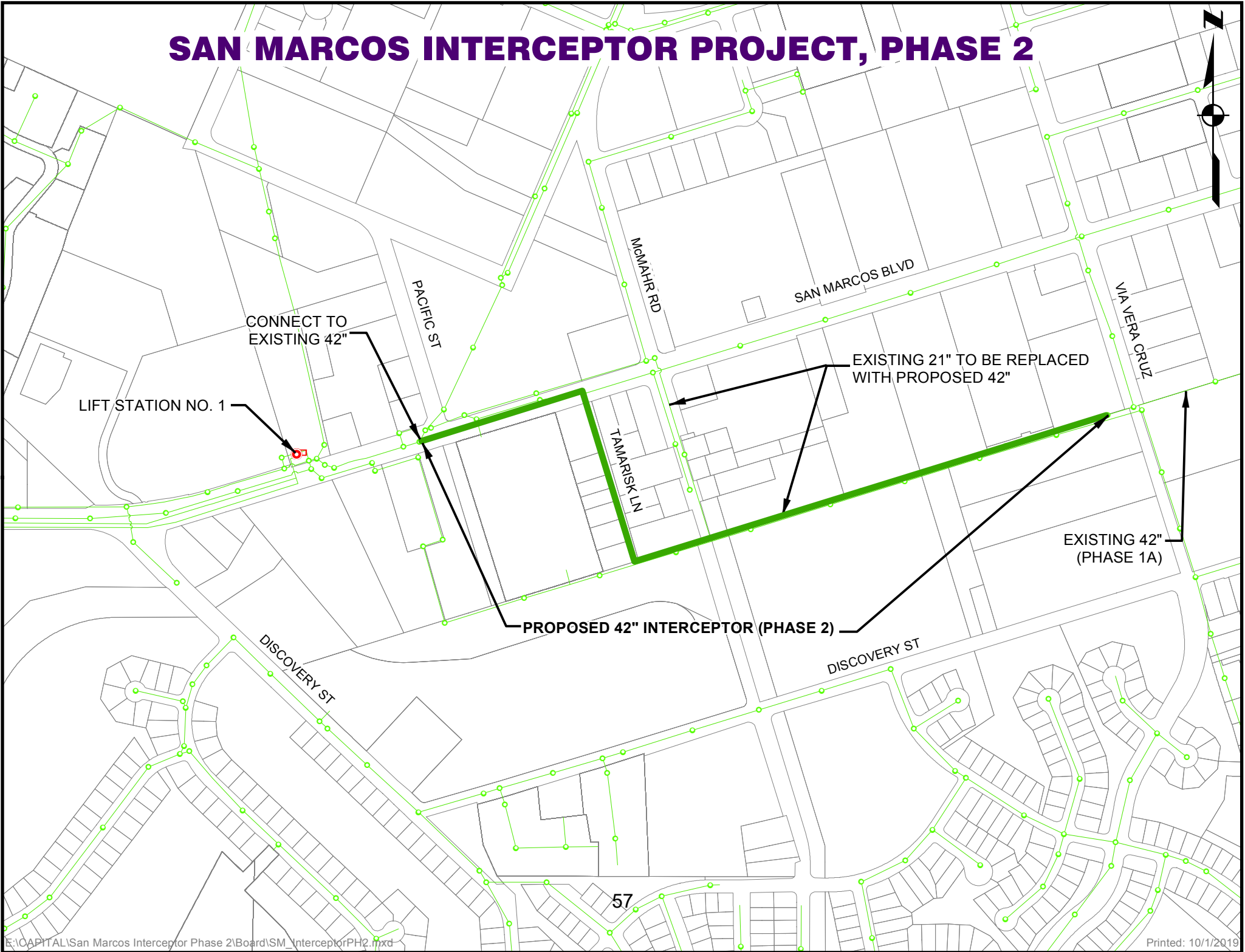
**RECOMMENDATION:**

Staff, with support from the Engineering and Equipment Committee, recommends that the Board of Directors authorize Change Order No. 2 in the amount of \$87,719, subject to the terms of the contract for the San Marcos Interceptor Phase II Project

**ATTACHMENTS:**

Plat/Aerial

# SAN MARCOS INTERCEPTOR PROJECT, PHASE 2



CONNECT TO EXISTING 42"

LIFT STATION NO. 1

EXISTING 21" TO BE REPLACED WITH PROPOSED 42"

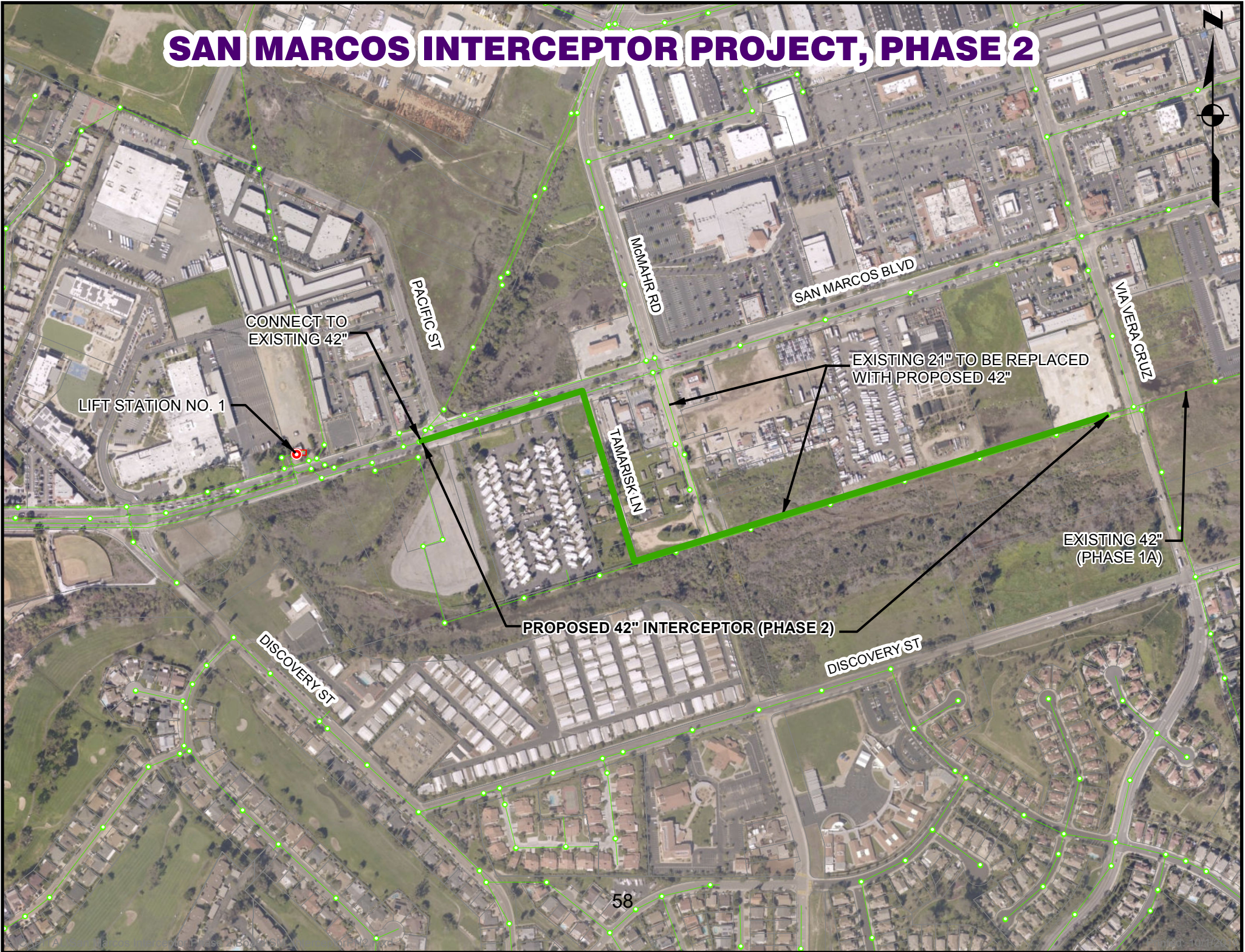
EXISTING 42" (PHASE 1A)

PROPOSED 42" INTERCEPTOR (PHASE 2)

57



# SAN MARCOS INTERCEPTOR PROJECT, PHASE 2



CONNECT TO EXISTING 42"

LIFT STATION NO. 1

PACIFIC ST

N OMAHA RD

SAN MARCOS BLVD

VAVERA CRUZ

EXISTING 21" TO BE REPLACED WITH PROPOSED 42"

TAMARISK LN

EXISTING 42" (PHASE 1A)

PROPOSED 42" INTERCEPTOR (PHASE 2)

DISCOVERY ST

DISCOVERY ST

58



**DATE: MAY 19, 2021**  
**TO: BOARD OF DIRECTORS**  
**SUBJECT: ADOPTION OF RESOLUTION OF THE BOARD OF DIRECTORS OF THE VALLECITOS WATER DISTRICT APPROVING ENCINA WASTEWATER AUTHORITY'S FISCAL YEAR 2022 OPERATING AND CAPITAL IMPROVEMENT BUDGET**

**BACKGROUND:**

The Vallecitos Water District is a party to the Encina Joint Powers Basic Agreement entered into on July 13, 1961, for the acquisition, construction, ownership, operation, and maintenance of the Encina Joint Sewer System. The Encina Basic Agreement requires unanimous approval of the Encina Wastewater Authority (EWA) budget by member agencies prior to the budget becoming effective. The EWA board will be considering final budget adoption at its meeting scheduled for July 28, 2021.

**DISCUSSION:**

On March 5, 2019, the Policy Development Workshop of Encina Wastewater Authority met and obtained clear policy direction to pay the entire CalPERS pension liability off over the next three years. Based on the guidance received the CalPERS Pension Funding Policy was developed incorporated into the Proposed Budget for FY 2022.

Attached for the Board's information are excerpts from the final EWA recommended budget. The fiscal year ending 2022 budgets of EWA as unanimously approved by the EWA Board of Directors and the Joint Advisory Committee on April 28, 2021, are \$4.1 million for the total CalPERS pension funding policy budget, \$23.3 million for the total capital budget, and \$18.8 million for the total operating budget. The full budget document is available for review at the District office and online at [www.encinajpa.com](http://www.encinajpa.com).

The Proposed Encina Wastewater Authority CalPERS Pension Funding, Operating, and Capital Program Budgets total approximately \$46.2 million and are summarized below:

	<b>Actual FY2020</b>	<b>Budget FY2021</b>	<b>Proposed FY2022</b>	<b>% Change</b>
CalPERS Pension Funding Policy	\$ 4,096,100	\$ 4,096,100	\$ 4,096,100	0.0%
Operating Program	\$ 17,517,982	\$ 18,211,359	\$ 18,822,867	3.4%
Capital Program	\$ 23,720,148	\$ 24,249,023	\$ 23,294,844	-3.9%
Combined Program Budgets	\$ 45,334,230	\$ 46,556,482	\$ 46,213,811	-0.7%

The amounts shown in the table above are for the entire EWA budget. Vallecitos Water District's share of the EWA budget is dependent upon the demands place on EWA facilities and the ownership percentage currently held by the District. Based on those factors, Vallecitos' share of the Proposed 2022 CalPERS Pension Funding Policy is \$788,954, which is the same as the FY 2021 CalPERS Pension Funding Policy budget. Vallecitos' share of the Proposed 2022 Operating budget is \$3,338,944, which is \$293,592 (9.6%) higher than the FY 2021 Operating budget. Vallecitos' share of the Proposed 2022 Capital budget is \$4,620,502, which is \$1,088,751 (19.1%) less than the Capital expenses projected in the FY 2021 EWA Capital budget for FY 2022.

**FISCAL IMPACT:**

Vallecitos' share of EWA's CalPERS Pension Funding Policy, Operating, and Capital Budgets have been incorporated into the District's budget, which will be considered on June 2, 2021.

**RECOMMENDATION:**

Staff recommends the Board of Directors of the Vallecitos Water District review and adopt a Resolution approving the Encina Wastewater Authority's Fiscal Year 2022 recommended CalPERS Pension Funding Policy, Operating and Capital Improvement Budgets.

**ATTACHMENT:**

1. Encina Wastewater Authority Recommended Budget including Letter of Transmittal and CalPERS Pension Liability Funding Policy – Policy Brief
2. Resolution



**RESOLUTION NO.**

**RESOLUTION OF THE BOARD OF DIRECTORS OF THE VALLECITOS WATER DISTRICT  
APPROVING THE FISCAL YEAR ENDING IN 2022 BUDGETS  
OF THE ENCINA WASTEWATER AUTHORITY  
IN ACCORDANCE WITH THE JOINT POWERS BASIC AGREEMENT**

WHEREAS, the Vallecitos Water District is a party to the Encina Joint Powers Basic agreement entered into on July 13, 1961, for the acquisition, construction, ownership, operation, and maintenance of the Encina Joint Sewer System; and

WHEREAS, the Encina Basic Agreement requires approval of the budget of the Encina Wastewater Authority (EWA) by the member agencies following the recommendation of the Joint Advisory Committee (JAC); and

WHEREAS, the JAC thereafter approved the Fiscal Year 2022 budget of the EWA on April 28, 2021; and

WHEREAS, the Board of Directors of the Vallecitos Water District desires to approve said budget and provide for payment of its share of such expenses in accordance with the allocation provided in the Basic Agreement as modified;

NOW, THEREFORE BE IT RESOLVED by the Board of Directors of the Vallecitos Water District as follows:

SECTION 1: The fiscal year ending in 2022 CalPERS pension funding policy of the EWA, as approved by the JAC on April 28, 2021, in the amount of \$4.1 million is hereby approved.

SECTION 2: The fiscal year ending in 2022 capital budget of the EWA, as approved by the JAC on April 28, 2021, in the amount of \$23.3 million is hereby approved.

SECTION 3: The fiscal year ending in 2022 operating revenue and expense budget of the EWA, as approved by the JAC on April 28, 2021, in the amount of \$18.8 million is hereby approved.

SECTION 4: The Vallecitos Water District General Manager is hereby authorized to make payments on behalf of this agency to EWA in accordance with the budget, as approved by the JAC, and in accordance with the Encina Basic Agreement.

SECTION 5: A certified copy of this resolution shall be forwarded to EWA immediately upon its approval.

PASSED, APPROVED AND ADOPTED by the Board of Directors of the Vallecitos Water District at a regular meeting held on the 19<sup>th</sup> day of May, 2021, by the following roll call vote:

AYES:  
NOES:  
ABSTAIN:  
ABSENT:

ATTEST:

\_\_\_\_\_  
Michael A. Sannella, President  
Board of Directors  
Vallecitos Water District

\_\_\_\_\_  
Glenn Pruum, Secretary  
Board of Directors  
Vallecitos Water District



# Recommended Operating & Capital Budget

Fiscal Year 2022



**ENCINA**  
WASTEWATER  
AUTHORITY



# Mission Statement

“As an environmental leader EWA provides reliable and fiscally responsible wastewater services to the communities we serve while optimizing the use of renewable resources.”

## Proudly Serving

City of Carlsbad  
City of Vista  
City of Encinitas  
Vallecitos Water District  
Buena Sanitation District  
Leucadia Wastewater District



# ENCINA WASTEWATER AUTHORITY

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## RECOMMENDED FY2022 OPERATING & CAPITAL BUDGETS

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Date: April 28, 2021  
 To: Honorable Chair and Members of the Board of Directors  
 Encina Joint Advisory Committee  
 Boards and Councils of the Encina Member Agencies  
 From: Michael Steinlicht, General Manager  
 Subject: Transmittal of FY2022 Recommended Pension Policy, Operating & Capital Budgets

This letter transmits the Encina Wastewater Authority’s (EWA) Recommended Fiscal Year 2022 Pension Policy, Operating and Capital Budgets. In conformance with the Revised Basic Agreement for Ownership, Operation and Maintenance of the Encina Joint Sewage System, this Recommended Budget estimates both the amount of money required to operate, maintain and administer the Joint System during Fiscal Year 2022, and the proportionate amount to be paid by each Member Agency.

The Recommended FY2022 Pension Policy, Operating and Capital Budgets combined total \$46.2M and is summarized below:

Pension Policy, Operating Program & Capital Program	Actual FY2020	Budget FY2021	Recommended FY2022	FY 2021 vs FY 2022 % Change
Encina Water Pollution Control Facility	\$ 39,964,215	\$ 38,082,567	\$ 38,237,282	0.4%
Environmental Compliance – Source Control	\$ 1,167,758	\$ 1,213,334	\$ 1,162,369	-4.2%
Agua Hedionda Pump Station	\$ 875,941	\$ 999,442	\$ 1,054,874	5.5%
Buena Vista Pump Station	\$ 860,972	\$ 1,015,354	\$ 1,205,398	18.7%
Buena Creek Pump Station	\$ 559,005	\$ 805,080	\$ 932,089	15.8%
Carlsbad Water Recycling Facility	\$ 1,571,094	\$ 3,975,465	\$ 3,116,952	-21.6%
Raceway Basin Pump Station	\$ 335,245	\$ 465,240	\$ 504,847	8.5%
<b>Total Operating Budget</b>	<b>\$ 45,334,230</b>	<b>\$ 46,556,482</b>	<b>\$ 46,213,811</b>	<b>-0.7%</b>

**PENSION POLICY OVERVIEW**

The Pension Policy was developed and approved with the guidance and collaboration of EWA’s Board of Directors and Member Agencies. This policy strives to pay off the pension liability over a three-year term and FY2022 continues as Year 3 of this effort. The Funding Policy pays down approximately \$4.1M annually towards the CalPERS Pension Liability from the following programs summarized below:

CalPERS Pension Funding Policy	Actual FY2020	Budget FY2021	Recommended FY2022	FY 2021 vs FY 2022 % Change
Encina Water Pollution Control Facility – Operations	\$ 2,550,374	\$ 2,550,374	\$ 2,550,374	0%
Encina Water Pollution Control Facility – Capital	\$ 779,099	\$ 779,099	\$ 779,099	0%
Environmental Compliance – Source Control	\$ 246,827	\$ 246,827	\$ 246,827	0%
Agua Hedionda Pump Station	\$ 70,681	\$ 70,681	\$ 70,681	0%
Buena Vista Pump Station	\$ 74,547	\$ 74,547	\$ 74,547	0%
Buena Creek Pump Station	\$ 69,638	\$ 69,638	\$ 69,638	0%
Carlsbad Water Recycling Facility	\$ 256,601	\$ 256,601	\$ 256,601	0%
Raceway Basin Pump Station	\$ 48,333	\$ 48,333	\$ 48,333	0%
<b>Total CalPERS Pension Funding Policy</b>	<b>\$ 4,096,100</b>	<b>\$ 4,096,100</b>	<b>\$ 4,096,100</b>	<b>0%</b>

**OPERATING BUDGET OVERVIEW**

The Recommended FY2022 Operating Budget is comprised of seven (7) operational programs that provide services to the Encina Member Agencies. Each operational program includes direct personnel and non-personnel expenses and related internal service fund (ISF) charges. The Recommended FY2022 Budget reflects management’s strategies and objectives to ensure continued achievement within each of the six (6) Business Principles identified in the Five-Year Strategic Business Plan: Protect Public Health and the Environment; Pursue Waste Resource Recovery Opportunities; Conduct Sound Planning and Invest Appropriately; Remain Efficient, Fiscally Responsible, and Innovative; Provide Meaningful Transparency; and Deliver Exceptional Member Agency Service.

The Recommended FY2022 Operating Budget totals approximately \$18.8M for the seven (7) operational programs summarized below:

Operating Program	Actual FY2020	Budget FY2021	Recommended FY2022	FY 2021 vs FY 2022 % Change
Encina Water Pollution Control Facility	\$ 13,520,821	\$ 14,642,571	\$ 14,813,465	1.2%
Environmental Compliance – Source Control	\$ 920,931	\$ 966,507	\$ 915,542	-5.3%
Agua Hedionda Pump Station	\$ 656,183	\$ 825,761	\$ 859,193	4.0%
Buena Vista Pump Station	\$ 653,866	\$ 659,807	\$ 734,851	11.4%
Buena Creek Pump Station	\$ 390,416	\$ 426,442	\$ 524,451	23.0%
Carlsbad Water Recycling Facility	\$ 1,151,086	\$ 1,392,864	\$ 1,405,351	0.9%
Raceway Basin Pump Station	\$ 224,679	\$ 259,407	\$ 282,014	8.7%
<b>Sub-Total: Expenses</b>	<b>\$ 17,517,982</b>	<b>\$ 19,173,359</b>	<b>\$ 19,534,867</b>	<b>1.9%</b>
Estimated Other Operating Revenue	\$ -	\$ (962,000)	\$ (712,000)	-26.0%
<b>Total Operating Budget</b>	<b>\$ 17,517,982</b>	<b>\$ 18,211,359</b>	<b>\$ 18,822,867</b>	<b>3.4%</b>

The FY2022 Operating Budget reflects EWA’s continuing commitment to provide sustainable and fiscally responsible wastewater services to the communities it serves while maximizing the use of alternative and renewable resources. The Recommended FY2022 EWPCF Operating Budget includes \$250,000 in contingency funding to help each of the Member Agencies make sufficient appropriations for their share of EWA expenditures as part of their annual budgeting processes.

**CAPITAL BUDGET OVERVIEW**

The Recommended FY2022 Capital Budget totals approximately \$23.3M for the following EWA capital programs summarized below:

Capital Program	Actual FY2020	Budget FY2021	Recommended FY2022	FY 2021 vs FY 2022 % Change
EWPCF – Capital Improvements	\$ 18,956,289	\$ 16,921,000	\$ 16,454,000	-2.8%
EWPCF – Planned Asset Rehabilitation	\$ 1,029,772	\$ 989,500	\$ 1,101,000	11.3%
EWPCF – Capital Acquisitions	\$ 402,000	\$ 346,700	\$ 349,000	0.7%
Remotes Facilities – Acquisitions & Rehabilitation	\$ 606,227	\$ 3,176,500	\$ 2,488,500	-21.7%
Allocated Personnel Expenses	\$ 2,725,860	\$ 2,815,323	\$ 2,902,344	3.1%
<b>Total Capital Budget</b>	<b>\$ 23,720,148</b>	<b>\$ 24,249,023</b>	<b>\$ 23,294,844</b>	<b>-3.9%</b>

Improvement Projects are planned, scoped, and prioritized through the Comprehensive Asset Management Program (CAMP). The most recent CAMP was published in June 2019 and will continue to be updated biannually. It considers anticipated changes in regulatory requirements, prospective operational efficiencies, funding availability and other factors.

The Recommended FY2022 Capital Budget includes approximately \$2.9 million in funding for 13.21 full-time equivalent (FTE) positions. These positions include full and part-time efforts of EWA executives, professionals, managers, and technical staff who plan, direct, and support EWA's Capital Program.

Significant Capital Improvement Projects for FY2022 funding include: Primary Area Improvements (\$2.7M); Secondary Clarifiers and Strainers Improvements (\$2.1M); and Digester Rehabilitation and Improvements (\$1.7M).

EWPCF – Planned Asset Rehabilitation and Replacement (PARR) reflects minor plant rehabilitation efforts undertaken by EWA staff to maintain the \$514 million worth of Joint System assets. PARR Projects total approximately \$1.1M. EWPCF – Capital Acquisitions total \$0.3M and reflect appropriate investment in minor infrastructure, equipment. Remote Facilities – Acquisitions and Rehabilitation total \$2.5M and reflect appropriate investment in remote facility improvements.

Please join me in recognizing the staff whose efforts produced this document. Joseph Spence, Assistant to the General Manager, led staff efforts in the preparation and development of the Recommended FY2022 Budget with assistance from LeeAnn Warchol, Director of Administrative Services, and third-party quality control review by Financial Management Consultant, Daniel Langlois. The Executive Leadership Team coordinated the budget development processes within their respective departments. Assistant General Manager, Scott McClelland, made certain our constantly developing ideas were presented clearly, consistently and accurately.

Respectfully Submitted,



Michael Steinlicht  
General Manager



## Policy Brief

**Date:** April 28, 2021

**To:** Honorable Chair and Members of the Board of Directors  
 Encina Joint Advisory Committee  
 Boards and Councils of the Encina Member Agencies

**From:** Michael Steinlicht, General Manager

**Subject:** CalPERS Pension Liability Funding Policy – Year 3

Managing the CalPERS pension liability is one of EWA’s most significant financial challenges and was therefore established as one of the organization’s key strategic initiatives to address. On March 5, 2019, staff held the 2019 Policy Development Workshop and obtained clear policy direction on how to manage the pension liability over the following few years. At that time, EWA’s actuarial valuation report, dated June 30, 2017, reflected EWA’s pension liability being \$13.5M. Staff was instructed to pay off the entire pension liability over the next three years which may save the EWA \$10.7M in interest. Based on the guidance and concerns received from the Board of Directors, EWA established the following pension funding policy framework:

- 1) Strive to have the pension liability paid off at the end of three years (final payment around June 2022). For simplicity, we needed to assume the underlying assumptions of the \$13.5M won’t materially change during that time frame and assume a constant 7.0% interest rate being charged.
- 2) Maintain flexibility and control with the funding strategy, not locking into any formal arrangement with CalPERS.
- 3) Mitigate some investment market timing risk by paying into the pension monthly or quarterly over the three-year term, thereby dollar cost averaging over the three years-worth of market fluctuations.
- 4) Avoid overpaying, or becoming super-funded, by reassessing the final year’s payment lower if necessary.
- 5) Report back to the Policy & Finance Committee and Board of Directors on pension funding status on a regular basis.

EWA’s latest actuarial report, dated June 30, 2019, reflects EWA’s liability has grown to \$15.1M. This was primarily the result of the discount rate adjusting from 7.25% down to 7.00% and was in response to CalPERS needing to reflect a reduced outlook of future investment returns. More recently though, the liability grew as a result of CalPERS missing their new investment return benchmark of 7.0% by 0.3%.

EWA has been paying down the liability as planned throughout FY 2020 and FY 2021 but these payments will not be reflected in the actuarial reports for another year. Only then will staff be able to better assess the actual results and savings generated from the funding policy. In the meantime, staff recommends EWA stay the course and continue with the original funding plan. Below illustrates the fiscal impact of the funding policy as originally adopted and has been incorporated into the Recommended FY 2022 Budget:

	FY 2020	FY 2021	FY 2022	Total
<b>Funding Policy</b>				
City of Carlsbad	\$ 1,210,106	\$ 1,210,106	\$ 1,210,106	\$ 3,630,318
City of Vista	1,016,600	1,016,600	1,016,600	3,049,800
Buena Sanitation District	367,994	367,994	367,994	1,103,982
Vallecitos Water District	788,954	788,954	788,954	2,366,862
Leucadia Wastewater District	547,626	547,626	547,626	1,642,878
City of Encinitas	164,820	164,820	164,820	494,460
<b>Total Funding Policy</b>	<b>\$ 4,096,100</b>	<b>\$ 4,096,100</b>	<b>\$ 4,096,100</b>	<b>\$ 12,288,300</b>
<b>Normal Operations</b>				
Unfunded Liability Contribution from EWA	\$ 870,900	\$ 870,900	\$ 870,900	\$ 2,612,700
<b>Normal Costs</b>				
Contributions from EWA	\$ 941,727	\$ 1,031,329	\$ 1,008,220	\$ 2,981,276
Contributions from Employees	\$ 611,946	\$ 651,556	\$ 662,893	\$ 1,926,395

## Policy Brief

**Date:** April 28, 2021

**To:** Honorable Chair and Members of the Board of Directors  
 Encina Joint Advisory Committee  
 Boards and Councils of the Encina Member Agencies

**From:** Michael Steinlicht, General Manager

**Subject:** Workforce Staffing Strategy – Operations Training and Quality Control Specialist

The Encina Wastewater Authority’s (EWA) workforce staffing strategy is linked directly to its mission, vision, values and strategic business and tactical plans. It includes a cost-effective blend of human resources that includes permanent employees, consultants, contract and limited duration employees. Staffing decisions are based on established criteria designed to add value to the organization, reduce risk, and complement or leverage existing staff competencies.

The staffing needs of EWA are reviewed annually. With few exceptions, decisions to expand or contract EWA’s total complement of Full Time Equivalent (FTE) staff are made as part of the budget development process. Department Directors requesting additional staff are required to submit a written report to the General Manager justifying the request.

EWA’s staffing strategy centers on identifying the core workforce needed for ongoing work, which is essential to its mission on a permanent basis and should therefore be permanently staffed, as opposed to work that may be equally important to EWA but has a limited timeframe, or which has a temporary (even if several years) peak workload but is then expected to diminish. Any temporary programmatic increase in workload should consider the use of Limited Duration Employees (LDE) with an established, predictable separation date based upon the temporary nature of the work. In evaluating the need for additional staff, written justification for any new FTEs should address the following criteria:

Evaluation Criteria	Justification Must Address
Permanence	Is the work permanent in nature and not likely to diminish over time?
Reprioritization	Can work within the department be reprioritized to meet the new need, while reducing or eliminating other existing work, redeploying existing staff and negating the need to add an FTE?
Cost Effectiveness and Budget Impact	Is adding an FTE more cost effective over the expected life of the position’s work than alternative resourcing options (e.g. temporary, LDE or contract resources)?
Full Time vs. Part Time	Does the work require a full-time position, or can the work be accomplished with a half-time position?
Appropriate Classification	Can the position be filled at a lower classification and accomplish the work, while minimizing the costs to EWA?
Institutional Knowledge	Does the position require institutional knowledge that could not likely be built and sustained through the use of temporary employees, LDE’s, or contract resources?
Market Availability	What is the market availability and competitive landscape for the desired skill set of the proposed position?
Special Skills or Certifications Required	Are special skills or certification required to perform the work?
Risk Management and Transparency	Does the critical nature of the position, or the consequence of error or failure to effectively and safely perform the work make the use of outside resources impractical or too risky? Is there a concern for loss of transparency if outside resources are utilized?
Logistical Issues	Does the position’s workplace locations, demands or duties create logistical challenges that make the use of temporary or contract resources impractical?

**Workforce Staffing Justification – Operations Trainer**

The Recommended Fiscal Year 2022 Budget includes a new Operations Training and Quality Control Specialist position dedicated to training operations staff. The retirement of two Operators and one recent Shift Supervisor vacancy has partially mitigated the cost impact of this staffing proposal. The following table of justification is provided for your consideration:

Evaluation Criteria	Justification
Permanence	The proposed addition of an Operations Trainer position follows both public and private industry best practice of designating a staff position for the professional development and training of operations staffing.
Reprioritization	EWA runs a lean staffing model and currently has the same FTE count as in 2018 despite the numerous retirements in the Operations Department that is equivalent to 140 years of Operational experience spread over 30 employees. The diminished Operational experience creates a lower level of service and creates greater risk when executing EWA’s mission.
Cost Effectiveness and Budget Impact	The addition of one FTE Operations Trainer position is permanent and will remain so for as long as there is a need for training Operations staff at EWA. This is a more cost-effective option for EWA than cycling through temporary labor or extended use of overtime by existing personnel with limited facility experience.
Full Time vs. Part Time	The addition of one FTE Operations Trainer position is required for full time shift work to train Operations staff during a 24 hour / 365-day rotating shift schedule. The position is required to interact with staff on all shifts on a rotating basis.
Appropriate Classification	Operators are typically hired at the Operator-in-Training position and advance to an Operator I and Operator II level as they gain additional site-specific experience and higher levels of certification. An Operations Trainer minimum level of site-specific experience is 10 years with 3 years of Supervisory experience and must hold a State Water Resources Control Board (SWRCB) Grade III Operator certificate or higher. The level of experience and certification required for EWPCF and CWRF by The SWRCB requires a Grade III certificate to make process control changes.
Institutional Knowledge	It takes 3-5 years for a new Operator to learn all of EWA’s facilities. 38% of Operators have less than 5 years of experience and 23% have less than 2 years of experience. 25% of staff in the Operations Department are eligible to retire including 50% of the current Supervisory staff; thus, the use of temporary staff is not a good long-term strategy. An Operations Trainer minimum level of site-specific experience is 10 years with 3 years of Supervisory experience.
Market Availability	Market competition is extremely tight, and the existing labor pool is very limited for certified operators. As a result, EWA has utilized in-house training of new Operators with limited experience to close the shortfall. The continued increase in the number of new Operations staff has increased the intensity required for training while resources for doing so have diminished through retirements. The need for site specific experience makes this position available to in-house recruitment only.
Special Skills or Certifications Required	To work at the EWPCF, Operators must be State-certified. A Grade III certificate is required to make any process control changes, which takes 3-6 years of relevant experience.
Risk Management and Transparency	Consequence of failure poses risk to staff, Member Agencies, continuity of facility operations, the environment, public health, and overall facility safety. The continued diminishing institutional knowledge in the Operations Department increases the risk of failures in facility operations, safety, and an increase in overtime.
Logistical Issues	The addition of an Operations Trainer position is required for full time shift work during a 24 hour / 365-day rotating shift schedule.

## OPERATING BUDGET: REVENUE *and* EXPENSE SUMMARY

### Revenue Summary

	Actual FY2020	Budget FY2021	Projected FY2021	Recommended FY2022	Change	%
City of Carlsbad	\$ 5,218,653	\$ 5,538,836	\$ 5,318,352	\$ 5,835,150	\$ 296,314	5.3%
City of Vista	\$ 4,723,088	\$ 5,095,483	\$ 4,610,819	\$ 4,948,343	\$ (147,140)	-2.9%
Buena Sanitation District	\$ 1,730,363	\$ 1,831,393	\$ 1,844,348	\$ 1,889,009	\$ 57,616	3.1%
Vallecitos Water District	\$ 3,177,916	\$ 3,045,352	\$ 3,077,166	\$ 3,338,944	\$ 293,592	9.6%
Leucadia Wastewater District	\$ 2,017,173	\$ 2,021,904	\$ 1,988,715	\$ 2,130,280	\$ 108,376	5.4%
City of Encinitas	\$ 650,789	\$ 678,391	\$ 648,913	\$ 681,141	\$ 2,750	0.4%
<b>Sub Total</b>	<b>\$ 17,517,982</b>	<b>\$ 18,211,359</b>	<b>\$ 17,488,313</b>	<b>\$ 18,822,867</b>	<b>\$ 611,508</b>	<b>3.4%</b>
Estimated Other Revenue	*	\$ 962,000	\$ 945,700	\$ 712,000	\$ (250,000)	-26.0%
<b>Total</b>	<b>\$ 17,517,982</b>	<b>\$ 19,173,359</b>	<b>\$ 18,434,013</b>	<b>\$ 19,534,867</b>	<b>\$ 361,508</b>	<b>1.9%</b>

\*2020 Actual total is net of other revenue

### Operating Revenues from Member Agencies by Program

	Actual FY2020	Budget FY2021	Projected FY2021	Recommended FY2022	Change	%
Encina Water Pollution Control Facility	\$ 13,520,821	\$ 13,680,571	\$ 13,161,891	\$ 14,101,465	\$ 420,894	3.1%
Source Control	\$ 920,931	\$ 966,507	\$ 914,563	\$ 915,542	\$ (50,965)	-5.3%
Agua Hedionda Pump Station	\$ 656,183	\$ 825,761	\$ 622,186	\$ 859,193	\$ 33,432	4.0%
Buena Vista Pump Station	\$ 653,866	\$ 659,807	\$ 721,444	\$ 734,851	\$ 75,044	11.4%
Buena Creek Pump Station	\$ 390,416	\$ 426,442	\$ 509,498	\$ 524,451	\$ 98,009	23.0%
Carlsbad Water Recycling Facility	\$ 1,151,086	\$ 1,392,864	\$ 1,288,419	\$ 1,405,351	\$ 12,487	0.9%
Raceway Basin Pump Station	\$ 224,679	\$ 259,407	\$ 270,312	\$ 282,014	\$ 22,607	8.7%
<b>Total</b>	<b>\$ 17,517,982</b>	<b>\$ 18,211,359</b>	<b>\$ 17,488,313</b>	<b>\$ 18,822,867</b>	<b>\$ 611,508</b>	<b>3.4%</b>

### Operating Budget Expense Summary by Program

	Actual FY2020	Budget FY2021	Projected FY2021	Recommended FY2022	Change	%
Encina Water Pollution Control Facility	\$ 13,520,821	\$ 14,642,571	\$ 14,107,591	\$ 14,813,465	\$ 170,894	1.2%
Source Control	\$ 920,931	\$ 966,507	\$ 914,563	\$ 915,542	\$ (50,965)	-5.3%
Agua Hedionda Pump Station	\$ 656,183	\$ 825,761	\$ 622,186	\$ 859,193	\$ 33,432	4.0%
Buena Vista Pump Station	\$ 653,866	\$ 659,807	\$ 721,444	\$ 734,851	\$ 75,044	11.4%
Buena Creek Pump Station	\$ 390,416	\$ 426,442	\$ 509,498	\$ 524,451	\$ 98,009	23.0%
Carlsbad Water Recycling Facility	\$ 1,151,086	\$ 1,392,864	\$ 1,288,419	\$ 1,405,351	\$ 12,487	0.9%
Raceway Basin Pump Station	\$ 224,679	\$ 259,407	\$ 270,312	\$ 282,014	\$ 22,607	8.7%
<b>Total</b>	<b>\$ 17,517,982</b>	<b>\$ 19,173,359</b>	<b>\$ 18,434,013</b>	<b>\$ 19,534,867</b>	<b>\$ 361,508</b>	<b>1.9%</b>

### Combined Operating Budget Expense

	Actual FY2020	Budget FY2021	Projected FY2021	Recommended FY2022	Change	%
Personnel	\$ 7,089,868	\$ 7,284,268	\$ 7,444,337	\$ 7,598,928	\$ 314,660	4.3%
Non-Personnel	\$ 5,176,547	\$ 6,298,350	\$ 5,538,460	\$ 6,045,710	\$ (252,640)	-4.0%
Internal Service Fund	\$ 5,251,567	\$ 5,590,741	\$ 5,451,216	\$ 5,890,229	\$ 299,488	5.4%
<b>Total</b>	<b>\$ 17,517,982</b>	<b>\$ 19,173,359</b>	<b>\$ 18,434,013</b>	<b>\$ 19,534,867</b>	<b>\$ 361,508</b>	<b>1.9%</b>

## OPERATING BUDGET: EXPENSE SUMMARY

### Encina Water Pollution Control Facility

	Actual FY2020	Budget FY2021	Projected FY2021	Recommended FY2022	Change	%
Personnel	\$ 4,942,740	\$ 4,875,074	\$ 5,070,078	\$ 5,090,138	\$ 215,064	4.4%
Non-Personnel	\$ 3,851,875	\$ 4,783,450	\$ 4,150,702	\$ 4,471,660	\$ (311,790)	-6.5%
Internal Service Fund	\$ 4,726,206	\$ 4,984,047	\$ 4,886,811	\$ 5,251,667	\$ 267,620	5.4%
<b>Total</b>	<b>\$ 13,520,821</b>	<b>\$ 14,642,571</b>	<b>\$ 14,107,591</b>	<b>\$ 14,813,465</b>	<b>\$ 170,894</b>	<b>1.2%</b>

### Environmental Compliance – Source Control

	Actual FY2020	Budget FY2021	Projected FY2021	Recommended FY2022	Change	%
Personnel	\$ 728,842	\$ 738,299	\$ 727,401	\$ 703,703	\$ (34,596)	-4.7%
Non-Personnel	\$ 32,691	\$ 30,500	\$ 18,050	\$ 25,100	\$ (5,400)	-17.7%
Internal Service Fund	\$ 159,398	\$ 197,708	\$ 169,112	\$ 186,739	\$ (10,969)	-5.5%
<b>Total</b>	<b>\$ 920,931</b>	<b>\$ 966,507</b>	<b>\$ 914,563</b>	<b>\$ 915,542</b>	<b>\$ (50,965)</b>	<b>-5.3%</b>

### Agua Hedionda Pump Station

	Actual FY2020	Budget FY2021	Projected FY2021	Recommended FY2022	Change	%
Personnel	\$ 367,890	\$ 513,125	\$ 342,505	\$ 533,201	\$ 20,076	3.9%
Non-Personnel	\$ 241,212	\$ 247,600	\$ 217,442	\$ 248,800	\$ 1,200	0.5%
Internal Service Fund	\$ 47,081	\$ 65,036	\$ 62,239	\$ 77,192	\$ 12,156	18.7%
<b>Total</b>	<b>\$ 656,183</b>	<b>\$ 825,761</b>	<b>\$ 622,186</b>	<b>\$ 859,193</b>	<b>\$ 33,432</b>	<b>4.0%</b>

### Buena Vista Pump Station

	Actual FY2020	Budget FY2021	Projected FY2021	Recommended FY2022	Change	%
Personnel	\$ 203,043	\$ 214,790	\$ 270,535	\$ 248,544	\$ 33,754	15.7%
Non-Personnel	\$ 402,596	\$ 395,700	\$ 403,713	\$ 432,850	\$ 37,150	9.4%
Internal Service Fund	\$ 48,227	\$ 49,317	\$ 47,196	\$ 53,457	\$ 4,140	8.4%
<b>Total</b>	<b>\$ 653,866</b>	<b>\$ 659,807</b>	<b>\$ 721,444</b>	<b>\$ 734,851</b>	<b>\$ 75,044</b>	<b>11.4%</b>

### Buena Creek Pump Station

	Actual FY2020	Budget FY2021	Projected FY2021	Recommended FY2022	Change	%
Personnel	\$ 178,152	\$ 197,408	\$ 279,173	\$ 274,524	\$ 77,116	39.1%
Non-Personnel	\$ 171,122	\$ 186,150	\$ 189,285	\$ 200,300	\$ 14,150	7.6%
Internal Service Fund	\$ 41,142	\$ 42,884	\$ 41,040	\$ 49,627	\$ 6,743	15.7%
<b>Total</b>	<b>\$ 390,416</b>	<b>\$ 426,442</b>	<b>\$ 509,498</b>	<b>\$ 524,451</b>	<b>\$ 98,009</b>	<b>23.0%</b>

### Carlsbad Water Recycling Facility

	Actual FY2020	Budget FY2021	Projected FY2021	Recommended FY2022	Change	%
Personnel	\$ 525,433	\$ 584,485	\$ 565,160	\$ 569,538	\$ (14,947)	-2.6%
Non-Personnel	\$ 425,898	\$ 588,800	\$ 509,227	\$ 599,650	\$ 10,850	1.8%
Internal Service Fund	\$ 199,755	\$ 219,579	\$ 214,032	\$ 236,163	\$ 16,584	7.6%
<b>Total</b>	<b>\$ 1,151,086</b>	<b>\$ 1,392,864</b>	<b>\$ 1,288,419</b>	<b>\$ 1,405,351</b>	<b>\$ 12,487</b>	<b>0.9%</b>

### Raceway Basin Pump Station

	Actual FY2020	Budget FY2021	Projected FY2021	Recommended FY2022	Change	%
Personnel	\$ 143,768	\$ 161,087	\$ 189,485	\$ 179,280	\$ 18,193	11.3%
Non-Personnel	\$ 51,153	\$ 66,150	\$ 50,041	\$ 67,350	\$ 1,200	1.8%
Internal Service Fund	\$ 29,758	\$ 32,170	\$ 30,786	\$ 35,384	\$ 3,214	10.0%
<b>Total</b>	<b>\$ 224,679</b>	<b>\$ 259,407</b>	<b>\$ 270,312</b>	<b>\$ 282,014</b>	<b>\$ 22,607</b>	<b>8.7%</b>

## OPERATING BUDGET: REVENUE SUMMARY

## City of Carlsbad

	Actual FY2020	Budget FY2021	Projected FY2021	Recommended FY2022	Change	%
Encina Water Pollution Control Facility	\$ 3,562,012	\$ 3,563,090	\$ 3,528,155	\$ 3,840,623	\$ 277,533	7.8%
Source Control	\$ 234,793	\$ 259,101	\$ 234,492	\$ 247,261	\$ (11,840)	-4.6%
Agua Hedionda Pump Station	\$ 202,760	\$ 255,160	\$ 192,255	\$ 265,491	\$ 10,331	4.0%
Buena Vista Pump Station	\$ 68,002	\$ 68,621	\$ 75,031	\$ 76,424	\$ 7,803	11.4%
Carlsbad Water Recycling Facility	\$ 1,151,086	\$ 1,392,864	\$ 1,288,419	\$ 1,405,351	\$ 12,487	0.9%
<b>Total</b>	<b>\$ 5,218,653</b>	<b>\$ 5,538,836</b>	<b>\$ 5,318,352</b>	<b>\$ 5,835,150</b>	<b>\$ 296,314</b>	<b>5.3%</b>

## City of Vista

	Actual FY2020	Budget FY2021	Projected FY2021	Recommended FY2022	Change	%
Encina Water Pollution Control Facility	\$ 3,159,151	\$ 3,321,469	\$ 2,966,270	\$ 3,128,279	\$ (193,190)	-5.8%
Source Control	\$ 299,971	\$ 352,820	\$ 297,893	\$ 285,921	\$ (66,899)	-19.0%
Agua Hedionda Pump Station	\$ 453,423	\$ 570,601	\$ 429,931	\$ 593,702	\$ 23,101	4.0%
Buena Vista Pump Station	\$ 585,864	\$ 591,186	\$ 646,413	\$ 658,427	\$ 67,241	11.4%
Raceway Basin Pump Station	\$ 224,679	\$ 259,407	\$ 270,312	\$ 282,014	\$ 22,607	8.7%
<b>Total</b>	<b>\$ 4,723,088</b>	<b>\$ 5,095,483</b>	<b>\$ 4,610,819</b>	<b>\$ 4,948,343</b>	<b>\$ (147,140)</b>	<b>-2.9%</b>

## Buena Sanitation District

	Actual FY2020	Budget FY2021	Projected FY2021	Recommended FY2022	Change	%
Encina Water Pollution Control Facility	\$ 1,225,482	\$ 1,280,376	\$ 1,220,525	\$ 1,248,074	\$ (32,302)	-2.5%
Source Control	\$ 114,465	\$ 124,575	\$ 114,325	\$ 116,484	\$ (8,091)	-6.5%
Buena Creek Pump Station	\$ 390,416	\$ 426,442	\$ 509,498	\$ 524,451	\$ 98,009	23.0%
<b>Total</b>	<b>\$ 1,730,363</b>	<b>\$ 1,831,393</b>	<b>\$ 1,844,348</b>	<b>\$ 1,889,009</b>	<b>\$ 57,616</b>	<b>3.1%</b>

## Vallecitos Water District

	Actual FY2020	Budget FY2021	Projected FY2021	Recommended FY2022	Change	%
Encina Water Pollution Control Facility	\$ 3,005,699	\$ 2,898,319	\$ 2,906,802	\$ 3,167,982	\$ 269,663	9.3%
Source Control	\$ 172,217	\$ 147,033	\$ 170,364	\$ 170,962	\$ 23,929	16.3%
<b>Total</b>	<b>\$ 3,177,916</b>	<b>\$ 3,045,352</b>	<b>\$ 3,077,166</b>	<b>\$ 3,338,944</b>	<b>\$ 293,592</b>	<b>9.6%</b>

## Leucadia Wastewater District

	Actual FY2020	Budget FY2021	Projected FY2021	Recommended FY2022	Change	%
Encina Water Pollution Control Facility	\$ 1,948,604	\$ 1,959,477	\$ 1,922,141	\$ 2,060,945	\$ 101,468	5.2%
Source Control	\$ 68,569	\$ 62,427	\$ 66,574	\$ 69,335	\$ 6,908	11.1%
<b>Total</b>	<b>\$ 2,017,173</b>	<b>\$ 2,021,904</b>	<b>\$ 1,988,715</b>	<b>\$ 2,130,280</b>	<b>\$ 108,376</b>	<b>5.4%</b>

## City of Encinitas

	Actual FY2020	Budget FY2021	Projected FY2021	Recommended FY2022	Change	%
Encina Water Pollution Control Facility	\$ 619,873	\$ 657,840	\$ 617,998	\$ 655,562	\$ (2,278)	-0.3%
Source Control	\$ 30,916	\$ 20,551	\$ 30,915	\$ 25,579	\$ 5,028	24.5%
<b>Total</b>	<b>\$ 650,789</b>	<b>\$ 678,391</b>	<b>\$ 648,913</b>	<b>\$ 681,141</b>	<b>\$ 2,750</b>	<b>0.4%</b>

## PERSONNEL EXPENSE SUMMARY *by* ACCOUNT

### Salaries

	2021 Budget	% of Total	2022 Budget	% of Total	% Change
Regular	\$ 8,006,451		\$ 8,142,166		1.7%
Overtime	\$ 170,000		\$ 170,000		0.0%
Holiday	\$ 99,000		\$ 99,000		0.0%
Temporary & Part-Time Staff	\$ 188,000		\$ 188,000		0.0%
Intern Program	\$ 29,800		\$ 29,800		0.0%
Shift Differential	\$ 39,000		\$ 45,000		15.4%
Incentive Awards	\$ 14,500		\$ 14,500		0.0%
Standby	\$ 5,000		\$ 5,000		0.0%
<b>Subtotal Salaries</b>	<b>\$ 8,551,751</b>	<b>68.3%</b>	<b>\$ 8,693,466</b>	<b>67.6%</b>	<b>1.7%</b>

### Benefits

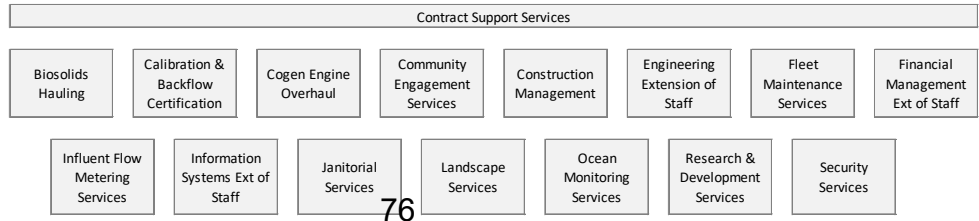
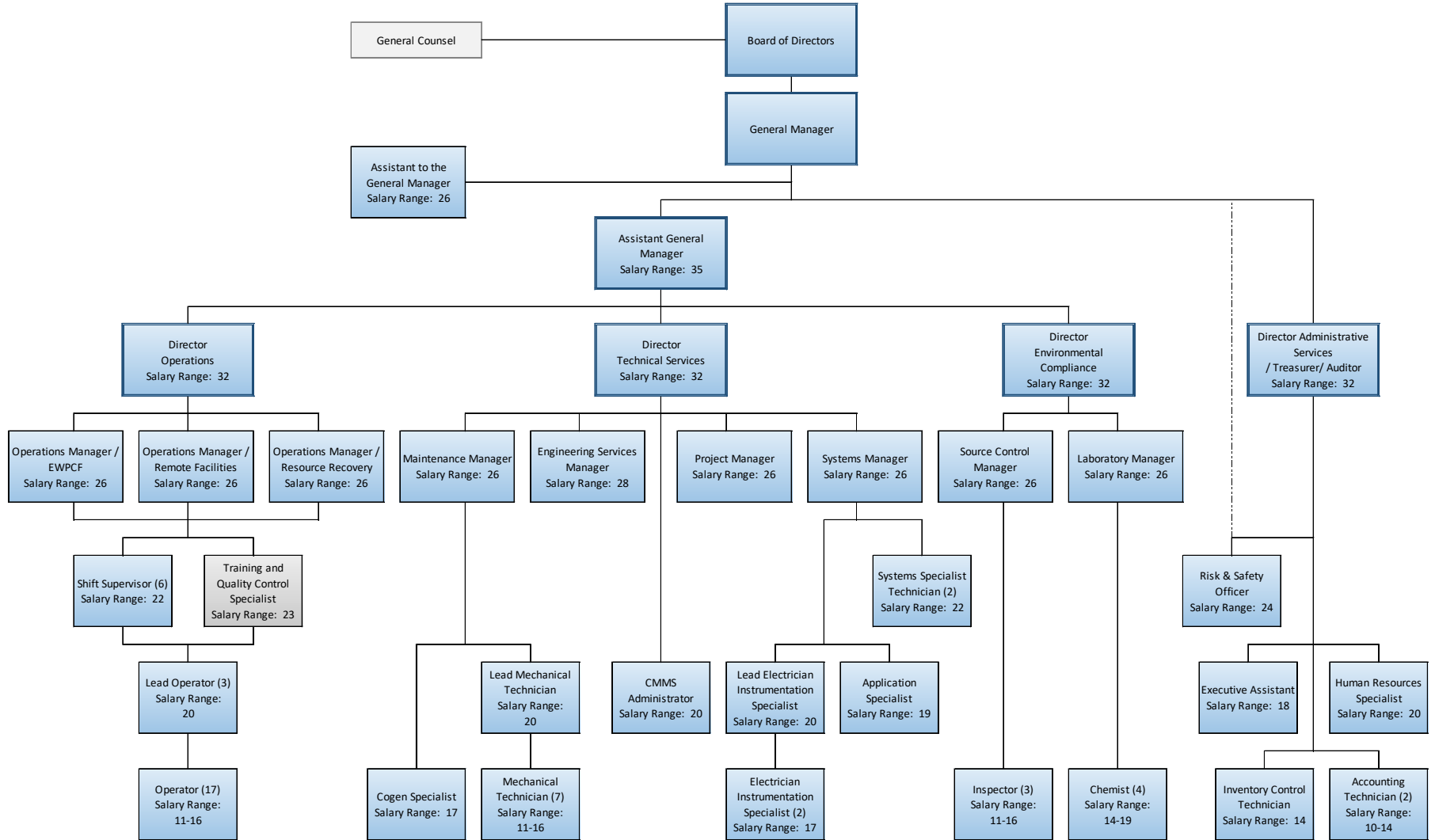
	2021 Budget	% of Total	2022 Budget	% of Total	% Change
CalPERS Retirement Program — Normal Cost	\$ 1,685,885		\$ 1,674,514		-0.7%
CalPERS Retirement Unfunded Liability	\$ 870,900		\$ 870,900		0.0%
CalPERS Employee Contribution	\$ (651,556)		\$ (662,893)		1.7%
Other Post-Employment Benefits	\$ 51,000		\$ 89,000		74.5%
Flexible Benefits 125 Plan	\$ 1,278,772		\$ 1,422,508		11.2%
Deferred Compensation	\$ 303,085		\$ 313,871		3.6%
Medicare	\$ 130,195		\$ 132,036		1.4%
Workers Compensation Insurance	\$ 251,000		\$ 263,500		5.0%
Other Ancillary Benefits	\$ 55,000		\$ 55,000		0.0%
<b>Subtotal Benefits</b>	<b>\$ 3,974,281</b>	<b>31.7%</b>	<b>\$ 4,158,435</b>	<b>32.4%</b>	<b>4.6%</b>
<b>Total Personnel Expense</b>	<b>\$ 12,526,032</b>	<b>100.0%</b>	<b>\$ 12,851,901</b>	<b>100.0%</b>	<b>2.6%</b>

## PERSONNEL EXPENSE SUMMARY *by* PROGRAM

### Programs

	2021 Budget	2021 Positions	2022 Budget	2022 Positions	% Change
Encina Water Pollution Control Facility	\$ 4,875,074	31.47	\$ 5,090,138	31.98	4.4%
Source Control	\$ 738,299	4.35	\$ 703,703	4.35	-4.7%
<i>Agua Hedionda Pump Station</i>	\$ 513,125	3.00	\$ 533,201	3.00	3.9%
<i>Buena Vista Pump Station</i>	\$ 214,790	1.24	\$ 248,544	1.40	15.7%
<i>Buena Creek Pump Station</i>	\$ 197,408	1.12	\$ 274,524	1.55	39.1%
<i>Carlsbad Water Reclamation Facilities</i>	\$ 584,485	3.38	\$ 569,538	3.20	-2.6%
<i>Raceway Basin Pump Station</i>	\$ 161,087	0.93	\$ 179,280	1.01	11.3%
Remote Facilities	\$ 1,670,895	9.67	\$ 1,805,087	10.16	8.0%
<b>Subtotal</b>	<b>\$ 7,284,268</b>	<b>45.49</b>	<b>\$ 7,598,928</b>	<b>46.49</b>	<b>4.3%</b>
Internal Service Funds	\$ 2,426,441	12.30	\$ 2,350,629	12.30	-3.1%
<b>Subtotal Operating</b>	<b>\$ 9,710,709</b>	<b>57.79</b>	<b>\$ 9,949,557</b>	<b>58.79</b>	<b>2.5%</b>
Capital Program	\$ 2,815,323	13.21	\$ 2,902,344	13.21	3.1%
<b>Total Personnel Expense</b>	<b>\$ 12,526,032</b>	<b>71.00</b>	<b>\$ 12,851,901</b>	<b>72.00</b>	<b>2.6%</b>

# FISCAL YEAR 2022 ORGANIZATION (72 FTEs)





### FY2022 SALARY SCHEDULE

Salary Range	Hourly		Annual		Salary Range	Hourly		Annual	
	Minimum	Maximum	Minimum	Maximum		Minimum	Maximum	Minimum	Maximum
1	\$ 16.754	\$ 22.618	\$ 34,848	\$ 47,045	21	\$ 44.453	\$ 60.012	\$ 92,463	\$ 124,825
2	\$ 17.592	\$ 23.749	\$ 36,591	\$ 49,398	22	\$ 46.676	\$ 63.013	\$ 97,086	\$ 131,066
3	\$ 18.471	\$ 24.936	\$ 38,420	\$ 51,867	23	\$ 49.010	\$ 66.163	\$ 101,940	\$ 137,620
4	\$ 19.395	\$ 26.183	\$ 40,341	\$ 54,461	24	\$ 51.460	\$ 69.471	\$ 107,037	\$ 144,501
5	\$ 20.365	\$ 27.492	\$ 42,358	\$ 57,184	25	\$ 54.033	\$ 72.945	\$ 112,389	\$ 151,726
6	\$ 21.383	\$ 28.867	\$ 44,476	\$ 60,043	26	\$ 56.735	\$ 76.592	\$ 118,009	\$ 159,312
7	\$ 22.452	\$ 30.310	\$ 46,700	\$ 63,045	27	\$ 59.572	\$ 80.422	\$ 123,909	\$ 167,278
8	\$ 23.575	\$ 31.826	\$ 49,035	\$ 66,197	28	\$ 62.550	\$ 84.443	\$ 130,105	\$ 175,641
9	\$ 24.753	\$ 33.417	\$ 51,487	\$ 69,507	29	\$ 65.678	\$ 88.665	\$ 136,610	\$ 184,423
10	\$ 25.991	\$ 35.088	\$ 54,061	\$ 72,983	30	\$ 68.962	\$ 93.098	\$ 143,440	\$ 193,645
11	\$ 27.291	\$ 36.842	\$ 56,764	\$ 76,632	31	\$ 72.410	\$ 97.753	\$ 150,612	\$ 203,327
12	\$ 28.655	\$ 38.684	\$ 59,602	\$ 80,463	32	\$ 76.030	\$ 102.641	\$ 158,143	\$ 213,493
13	\$ 30.088	\$ 40.619	\$ 62,583	\$ 84,487	33	\$ 79.832	\$ 107.773	\$ 166,050	\$ 224,168
14	\$ 31.592	\$ 42.649	\$ 65,712	\$ 88,711	34	\$ 83.823	\$ 113.162	\$ 174,353	\$ 235,376
15	\$ 33.172	\$ 44.782	\$ 68,997	\$ 93,146	35	\$ 88.015	\$ 118.820	\$ 183,070	\$ 247,145
16	\$ 34.830	\$ 47.021	\$ 72,447	\$ 97,804	36	\$ 92.415	\$ 124.761	\$ 192,224	\$ 259,502
17	\$ 36.572	\$ 49.372	\$ 76,070	\$ 102,694	37	\$ 97.036	\$ 130.999	\$ 201,835	\$ 272,477
18	\$ 38.400	\$ 51.841	\$ 79,873	\$ 107,829	38	\$ 101.888	\$ 137.549	\$ 211,927	\$ 286,101
19	\$ 40.321	\$ 54.433	\$ 83,867	\$ 113,220	39	\$ 106.982	\$ 144.426	\$ 222,523	\$ 300,406
20	\$ 42.337	\$ 57.154	\$ 88,060	\$ 118,881	40	\$ 112.331	\$ 151.647	\$ 233,649	\$ 315,427

**Labor Relations Resolution # 2021-01**

Standby Duty: \$1.50 / hour

Shift Differential: \$2.50 / hour

Lead Operator Pay: \$2.50 / hour when in absence of Shift Supervisor

Certification Stipend: \$60 / pay period for Class B Drivers License, Crane Operator Certificate or Welding Certificate

Meal Allowance: \$15 / meal for 2+ hours of overtime

Safety Boot Allowance: \$150 - \$300 / year depending on job classification

Safety Prescription Eyewear Allowance: \$400 / year

# ENCINA WATER POLLUTION CONTROL FACILITY

The Encina Water Pollution Control Facility (EWPCF), located in Carlsbad, California, provides wastewater treatment services to approximately 377,000 residents in a 123 square mile service area of northwest San Diego County. The EWPCF consists of three major components: the treatment plant; the Encina Ocean Outfall (EOO); and the Joint Flow Metering System (JFMS). The EWPCF was constructed in 1963 to treat wastewater from the Cities of Carlsbad and Vista, with the City of Encinitas, Vallecitos Water District, Buena Sanitation District and Leucadia Wastewater District joining the partnership in the subsequent years. Since its original design and construction, the treatment plant has undergone four (4) major expansions – the latest completed in 2009, and is beginning another round of construction to address reliability and aging infrastructure. Today, the EWPCF is a modern resource recovery facility that produces: clean water for recycling and Pacific Ocean discharge (via preliminary and primary treatment processes; activated sludge secondary treatment; secondary flow equalization facilities; and a 1.5 mile EOO, which discharges treated effluent at an average depth of one-hundred-fifty (150) feet; a granular fertilizer marketed under the name PureGreen (via anaerobic digesters; solids dewatering centrifuges; and a triple-pass rotary drum heat dryer); and, about 86.1% of the electricity required to power the EWPCF (via a Combined Heat & Cogeneration Power System). In addition, the JFMS consists of sixteen flow meters strategically placed throughout the collection system. The data collected at these metering sites, which is analyzed and certified by an independent consultant, is a critical element in allocating EWPCF costs among the EWA Member Agencies.

**Capacity** – The EWPCF has a rated liquid treatment capacity of 40.51 million gallons per day (MGD) and a rated solids treatment capacity of 43.53 MGD. During FY2022, the EWPCF will: (1) clean more than 8.85 billion gallons of water; (2) recycle over 3 billion gallons for on-site use and regional irrigation; and, (3) process 96 million gallons of digested sludge into over 6,000 tons of PureGreen fertilizer.

**Cost Allocation** – The EWPCF costs are allocated among member agencies based on ownership and usage charges in accordance with the Financial Plan and Revenue Program. EOO costs are allocated among Member Agencies based on the volume of effluent discharged. JFMS costs are allocated among the Member Agencies based on the number, location and type of meters.



Encina Water Pollution Control Facility

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# OPERATING EXPENSE SUMMARY: ENCINA WATER POLLUTION CONTROL FACILITY

**PERSONNEL**

		Actual FY2020		Budget FY2021		Projected FY2021		Recommended FY2022	%
									Change
5100	Salaries	\$ 3,505,813	\$	3,354,262	\$	3,388,329	\$	3,449,143	3%
5200	Benefits	\$ 1,436,927	\$	1,520,812	\$	1,681,749	\$	1,640,995	8%
<b>Total Personnel Expenses</b>		<b>\$ 4,942,740</b>	<b>\$</b>	<b>4,875,074</b>	<b>\$</b>	<b>5,070,078</b>	<b>\$</b>	<b>5,090,138</b>	<b>4%</b>

**NON-PERSONNEL**

		Actual FY2020		Budget FY2021		Projected FY2021		Recommended FY2022	%		
									Change		
21001	7330	Specialty Services	\$	127,410	\$	151,200	\$	129,465	\$	151,900	0%
22001	5400	CEPT Polymer	\$	123,773	\$	115,000	\$	114,660	\$	134,000	17%
22001	5401	Ferric Chloride	\$	419,813	\$	408,000	\$	432,031	\$	441,200	8%
22001	5405	Atmospheric Control (Nitrogen)	\$	17,087	\$	21,600	\$	21,104	\$	21,400	-1%
22001	5406	Pellet Dust Control	\$	14,735	\$	60,000	\$	66,267	\$	48,500	-19%
22001	5407	Sodium Hypochlorite	\$	57,809	\$	72,150	\$	58,098	\$	72,150	0%
22001	5409	Dewatering / Thickening Polymer	\$	718,657	\$	735,000	\$	756,350	\$	735,000	0%
22001	5420	Biosolids Recycling	\$	542,735	\$	579,400	\$	496,716	\$	455,400	-21%
22001	5422	Pure Green Marketing	\$	9,415	\$	10,000	\$	7,967	\$	10,000	0%
22001	5423	Grit Hauling	\$	93,954	\$	109,000	\$	91,967	\$	110,000	1%
22001	5431	Water	\$	14,197	\$	13,700	\$	17,263	\$	20,100	47%
22001	6450	Professional Services	\$	22,741	\$	33,500	\$	33,500	\$	33,500	0%
22001	6720	Specialty Equipment	\$	5,730	\$	8,100	\$	8,307	\$	8,100	0%
22001	6920	Permits	\$	22,147	\$	29,300	\$	26,709	\$	29,200	0%
22001	7310	Safety & Medical Services	\$	15,723	\$	24,600	\$	25,223	\$	24,600	0%
22001	7320	Safety Equipment	\$	94,582	\$	89,100	\$	77,979	\$	89,100	0%
22001	7330	Specialty Services	\$	2,632	\$	3,000	\$	4,290	\$	4,000	33%
22001	7611	Hazwoper Training	\$	150	\$	6,000	\$	6,000	\$	6,000	0%
22001	7616	First Aid Training	\$	3,087	\$	300	\$	142	\$	3,900	1200%
22001	7617	Safety Other	\$	4,555	\$	6,500	\$	6,500	\$	6,500	0%
22001	7620	Contingency	\$	-	\$	250,000	\$	-	\$	250,000	0%
23001	5410	Chemicals	\$	4,649	\$	8,000	\$	8,792	\$	9,000	13%
23001	5530	Misc. Corrosion Protection	\$	-	\$	2,000	\$	479	\$	-	-100%
23001	5910	Equipment Rental	\$	19,238	\$	13,000	\$	17,000	\$	14,000	8%
23001	6120	Fuel & Lube	\$	29,005	\$	23,300	\$	27,000	\$	30,000	29%
23001	6220	Earthquake & Flood Insurance	\$	-	\$	143,400	\$	143,406	\$	186,000	30%
23001	6230	Janitorial	\$	58,877	\$	100,000	\$	65,000	\$	81,500	-19%

continued →

<b>NON-PERSONNEL EXPENSES (cont.)</b>				<b>Actual</b>	<b>Budget</b>	<b>Projected</b>	<b>Recommended</b>	<b>%</b>
				<b>FY2020</b>	<b>FY2021</b>	<b>FY2021</b>	<b>FY2022</b>	<b>Change</b>
23001	6410	Laundry & Uniforms	\$	13,477	\$ 20,500	\$ 23,468	\$ 24,000	17%
23001	6424	Info Systems: Enterprise Applications	\$	386,477	\$ 413,600	\$ 419,957	\$ 194,860	-53%
23001	6450	Professional Services (South Parcel)	\$	91,399	\$ 60,000	\$ 40,000	\$ 30,000	-50%
23001	6710	Equipment New	\$	3,508	\$ 6,000	\$ 6,674	\$ 7,000	17%
23001	6930	Piping & Electrical Repair	\$	143,747	\$ 112,000	\$ 135,000	\$ 117,000	4%
23001	6940	Planned Maintenance	\$	210,850	\$ 202,000	\$ 160,582	\$ 200,000	-1%
23001	7010	Plant Contracts	\$	243,249	\$ 299,000	\$ 266,953	\$ 299,000	0%
23001	7510	Tools	\$	6,976	\$ 9,500	\$ 9,964	\$ 10,000	5%
24001	6810	Ocean Monitoring	\$	22,230	\$ 298,000	\$ 93,600	\$ 249,500	-16%
24001	6911	Effluent Testing	\$	21,557	\$ 27,000	\$ 21,032	\$ 27,000	0%
24001	6920	Permits	\$	230,876	\$ 254,000	\$ 251,419	\$ 271,550	7%
50001	7610	BOD Professional Development	\$	-	\$ 1,100	\$ -	\$ 1,100	0%
50001	BOD	Board of Directors Fees	\$	54,828	\$ 65,600	\$ 79,838	\$ 65,600	0%
<b>Total Non-Personnel Expenses</b>				<b>\$ 3,851,875</b>	<b>\$ 4,783,450</b>	<b>\$ 4,150,702</b>	<b>\$ 4,471,660</b>	<b>-7%</b>

<b>INTERNAL SERVICE FUNDS</b>				<b>Actual</b>	<b>Budget</b>	<b>Projected</b>	<b>Recommended</b>	<b>%</b>
				<b>FY2020</b>	<b>FY2021</b>	<b>FY2021</b>	<b>FY2022</b>	<b>Change</b>
11001		Administration	\$	1,615,525	\$ 1,697,407	\$ 1,624,413	\$ 1,776,955	5%
12001		Laboratory	\$	896,433	\$ 1,007,485	\$ 992,669	\$ 1,059,892	5%
13001		Energy Management	\$	2,214,248	\$ 2,279,155	\$ 2,269,729	\$ 2,414,820	6%
<b>Total Internal Service Fund Expenses</b>				<b>\$ 4,726,206</b>	<b>\$ 4,984,047</b>	<b>\$ 4,886,811</b>	<b>\$ 5,251,667</b>	<b>5%</b>
<b>Total Operating Expenses</b>				<b>\$ 13,520,821</b>	<b>\$ 14,642,571</b>	<b>\$ 14,107,591</b>	<b>\$ 14,813,465</b>	<b>1%</b>



## ENVIRONMENTAL COMPLIANCE & REGIONAL SOURCE CONTROL

The EWPCF discharges clean water to the Pacific Ocean via the Encina Ocean Outfall pursuant to a National Pollutant Discharge Elimination System (NPDES) Permit issued under the authority of the federal Clean Water Act (CWA). The CWA also covers non-domestic sources of wastewater that discharge directly to a publicly owned treatment works like the EWPCF. Such discharges may be federally regulated or regulated by EWA's Pretreatment Ordinance, which are enforced by EWA in cooperation with the host Member Agency under authority derived from the federal CWA. The goal of Encina's Regional Source Control Program is to prevent the discharge of pollutants into the Member Agency sewer system, which may interfere with the operation of the EWPCF or pass through the system and negatively impact the ocean environment, the quality of PureGreen fertilizer or the ability to reclaim water. The Source Control Program achieves this goal by: identifying regulated industries; conducting facility inspections; issuing wastewater discharge permits; sampling industrial discharges to determine compliance; taking enforcement in response to noncompliance; responding to Member Agency requests to perform investigations regarding non-routine discharges; and, conducting related public outreach activities.

**Capacity** – During FY2022 staff estimates fifty-three (53) industries will be fully permitted, while another 630 businesses will participate in EWA's Best Management Practices Program.

**Cost Allocation** – Personnel Expenses make up over 90% of Source Control's budgeted expenses. Over 87% of personnel expenses are allocated to Member Agencies based on the actual level of effort by staff. Remaining personnel expenses and all non-personnel expenses are allocated to the Member Agencies on the basis of Encina Ocean Outfall flows.



Public outreach at the 2020 Alta Vista Gardens Earth Day

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## OPERATING EXPENSE SUMMARY: SOURCE CONTROL

### PERSONNEL

		Actual FY2020		Budget FY2021		Projected FY2021		Recommended FY2022	%
									Change
5100	Salaries	\$ 500,913	\$	494,861	\$	562,233	\$	452,195	-9%
5200	Benefits	\$ 227,929	\$	243,438	\$	165,168	\$	251,508	3%
<b>Total Personnel Expenses</b>		<b>\$ 728,842</b>	<b>\$</b>	<b>738,299</b>	<b>\$</b>	<b>727,401</b>	<b>\$</b>	<b>703,703</b>	<b>-5%</b>

### NON-PERSONNEL

		Actual FY2020		Budget FY2021		Projected FY2021		Recommended FY2022	%
									Change
40001	5520 Books	\$ -	\$	300	\$	-	\$	-	-100%
40001	5930 Equipment Replacement	\$ 1,712	\$	700	\$	284	\$	700	0%
40001	6120 Fuel & Lube	\$ 949	\$	2,300	\$	1,100	\$	2,100	-9%
40001	6310 Lab Equipment Repair	\$ 4,782	\$	6,200	\$	9,976	\$	6,300	2%
40001	6330 Lab Supplies	\$ 86	\$	750	\$	156	\$	750	0%
40001	6410 Laundry & Uniforms	\$ 1,699	\$	2,000	\$	1,587	\$	2,000	0%
40001	6422 Legal Notices	\$ 386	\$	750	\$	-	\$	750	0%
40001	6450 Professional Services	\$ 20,990	\$	15,000	\$	2,266	\$	10,000	-33%
40001	7120 Printing & Reproduction	\$ -	\$	500	\$	-	\$	500	0%
40001	7130 Public Information	\$ 2,087	\$	2,000	\$	2,681	\$	2,000	0%
<b>Total Non-Personnel Expenses</b>		<b>\$ 32,691</b>	<b>\$</b>	<b>30,500</b>	<b>\$</b>	<b>18,050</b>	<b>\$</b>	<b>25,100</b>	<b>-18%</b>

### INTERNAL SERVICE FUNDS

		Actual FY2020		Budget FY2021		Projected FY2021		Recommended FY2022	%
									Change
11001	Administration	\$ 106,435	\$	115,617	\$	110,645	\$	124,322	8%
12001	Laboratory	\$ 50,747	\$	79,810	\$	56,195	\$	60,000	-25%
13001	Energy Management	\$ 2,216	\$	2,281	\$	2,272	\$	2,417	6%
<b>Total Internal Service Fund Expenses</b>		<b>\$ 159,398</b>	<b>\$</b>	<b>197,708</b>	<b>\$</b>	<b>169,112</b>	<b>\$</b>	<b>186,739</b>	<b>-6%</b>
<b>Total Operating Expenses</b>		<b>\$ 920,931</b>	<b>\$</b>	<b>966,507</b>	<b>\$</b>	<b>914,563</b>	<b>\$</b>	<b>915,542</b>	<b>-5%</b>



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# REMOTE FACILITIES

## AGUA HEDIONDA PUMP STATION

The Agua Hedionda Pump Station (AHPS) is part of the Encina Joint Sewerage System and is jointly owned by the City of Vista and the City of Carlsbad. This pump station is located on the southeast shore of the Agua Hedionda Lagoon and was replaced with a new station on the existing site in FY2020. The old station remains operational and is maintained on standby until the new station is fully accepted.

**Capacity** – The new AHPS is equipped four (4) lift pumps and four (4) force main pumps, providing ample pumping redundancy and a broad operating range. This facility is operated 365 days a year on a 24 hour-a-day basis.

**Cost Allocation** – The AHPS is operated by EWA under a contract with the owner agencies. The costs of operating and maintaining the AHPS are allocated to the City of Vista (69.1%) and the City of Carlsbad (30.9%) in accordance with the May 2017 Memorandum of Understanding.



Newly Constructed Agua Hedionda Pump Station

## REMOTE FACILITIES (cont.)

### BUENA VISTA PUMP STATION

The Buena Vista Pump Station (BVPS) is part of the Encina Joint Sewerage System and is jointly owned by the City of Vista and the City of Carlsbad. This pump station is located on the southwest shores of the Buena Vista Lagoon.

**Capacity** – The BVPS, which is equipped with four (4) pumps rated at 6,000 gallons per minute and is operated 365 days a year on a 24 hour-a-day basis.

**Cost Allocation** – The BVPS is operated by EWA under a contract with the owner agencies. The costs of operating and maintaining the BVPS are allocated to the City of Vista (89.6%) and the City of Carlsbad (10.4%) in accordance with the May 2017 Memorandum of Understanding.



Buena Vista Pump Station

## REMOTE FACILITIES (cont.)

### BUENA CREEK PUMP STATION

The Buena Creek Pump Station (BCPS) is owned by the Buena Sanitation District (BSD). This pump station is located approximately two miles north of Palomar Airport Road and 1/8 mile east of Melrose Drive.

**Capacity** – The BCPS, which is equipped with five (5) pumps rated at 4,500 gallons per minute and is operated 365 days a year on a 24 hour-a-day basis.

**Cost Allocation** – The BCPS is operated by EWA under a contract with the BSD. 100% of the costs for operating and maintaining the BCPS are allocated to the BSD in accordance with the May 2017 Memorandum of Understanding.



Buena Creek Pump Station

## REMOTE FACILITIES (cont.)

### CARLSBAD WATER RECYCLING FACILITY

The Carlsbad Water Recycling Facility (CWRF) is owned by the City of Carlsbad via the Carlsbad Municipal Water District. The facility is located on nine (9) acres directly adjacent to the southwest border of the EWPCF.

**Capacity** – The CWRF treats EWPCF secondary effluent to meet title 22, California Code of Regulations standards for disinfected tertiary recycled water, which is conveyed throughout the City for irrigation purposes. A plant expansion completed during FY 2017 increased the plant capacity to 7 MGD.

**Cost Allocation** – The CWRF is operated by EWA under a contract with the Carlsbad Municipal Water District. 100% of the costs for operating and maintaining the CWRF are paid by the Carlsbad Municipal Water District, via the City of Carlsbad, in accordance with the May 2005 Memorandum of Understanding. Recommended expenses are based on the expected recycled water production volume. Actual expenditures will reflect the actual volume of recycled water production.



Carlsbad Water Recycling Facility



## REMOTE FACILITIES (cont.)

### RACEWAY BASIN PUMP STATION

The Raceway Basin Pump Station (RBPS) is owned by the City of Vista. This pump station is located approximately 1/2 mile north of Palomar Airport Road and 1/8 mile west of Melrose Drive.

**Capacity** – The RBPS, which is equipped with three (3) pumps rated at 1,350 gallons per minute and is operated 365 days a year on a 24 hour-a-day basis.

**Cost Allocation** – The RBPS is operated by EWA under a contract with the City of Vista. 100% of the costs for operating and maintaining the RBPS are allocated to the City of Vista in accordance with the May 2017 Memorandum of Understanding.



Raceway Basin Pump Station

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# OPERATING EXPENSE SUMMARY: AGUA HEDIONDA PUMP STATION

## PERSONNEL

		Actual FY2020		Budget FY2021		Projected FY2021		Recommended FY2022	%
									Change
5100	Salaries	\$ 265,294	\$	343,591	\$	273,933	\$	354,264	3%
5200	Benefits	\$ 102,596	\$	169,534	\$	68,572	\$	178,937	6%
<b>Total Personnel Expenses</b>		<b>\$ 367,890</b>	<b>\$</b>	<b>513,125</b>	<b>\$</b>	<b>342,505</b>	<b>\$</b>	<b>533,201</b>	<b>4%</b>

## NON-PERSONNEL

		Actual FY2020		Budget FY2021		Projected FY2021		Recommended FY2022	%
									Change
31001	5431 Water	\$ 42,122	\$	19,200	\$	22,245	\$	19,700	3%
31001	5435 Electricity	\$ 157,379	\$	166,100	\$	159,629	\$	170,550	3%
31001	5910 Equipment Rental	\$ -	\$	1,000	\$	-	\$	1,000	0%
31001	6120 Fuel & Lube	\$ 3,216	\$	7,800	\$	3,650	\$	6,500	-17%
31001	6410 Laundry & Uniforms	\$ 507	\$	450	\$	525	\$	550	22%
31001	6920 Permits	\$ 4,157	\$	4,250	\$	5,470	\$	4,200	-1%
31001	6930 Piping & Electrical Repair	\$ 5,106	\$	3,500	\$	892	\$	3,500	0%
31001	6940 Planned Maintenance	\$ 9,717	\$	11,000	\$	4,975	\$	11,000	0%
31001	7010 Plant Contracts	\$ 17,557	\$	32,800	\$	19,878	\$	30,300	-8%
31001	7320 Safety Equipment	\$ 1,451	\$	1,500	\$	178	\$	1,500	0%
<b>Total Non-Personnel Expenses</b>		<b>\$ 241,212</b>	<b>\$</b>	<b>247,600</b>	<b>\$</b>	<b>217,442</b>	<b>\$</b>	<b>248,800</b>	<b>0%</b>

## INTERNAL SERVICE FUNDS

		Actual FY2020		Budget FY2021		Projected FY2021		Recommended FY2022	%
									Change
11001	Administration	\$ 47,081	\$	65,036	\$	62,239	\$	77,192	19%
<b>Total Internal Service Fund Expenses</b>		<b>\$ 47,081</b>	<b>\$</b>	<b>65,036</b>	<b>\$</b>	<b>62,239</b>	<b>\$</b>	<b>77,192</b>	<b>19%</b>
<b>Total Operating Expenses</b>		<b>\$ 656,183</b>	<b>\$</b>	<b>825,761</b>	<b>\$</b>	<b>622,186</b>	<b>\$</b>	<b>859,193</b>	<b>4%</b>

## OPERATING EXPENSE SUMMARY: BUENA VISTA PUMP STATION

### PERSONNEL

		Actual FY2020		Budget FY2021		Projected FY2021		Recommended FY2022	%
									Change
5100	Salaries	\$ 140,383	\$	140,103	\$	183,027	\$	168,013	20%
5200	Benefits	\$ 62,660	\$	74,687	\$	87,509	\$	80,531	8%
<b>Total Personnel Expenses</b>		<b>\$ 203,043</b>	<b>\$</b>	<b>214,790</b>	<b>\$</b>	<b>270,535</b>	<b>\$</b>	<b>248,544</b>	<b>16%</b>

### NON-PERSONNEL

		Actual FY2020		Budget FY2021		Projected FY2021		Recommended FY2022	%
									Change
32001	5431 Water	\$ 886	\$	1,300	\$	909	\$	1,300	0%
32001	5435 Electricity	\$ 363,507	\$	345,000	\$	372,218	\$	381,100	10%
32001	5910 Equipment Rental	\$ -	\$	-	\$	2,000	\$	-	0%
32001	6120 Fuel & Lube	\$ 6,250	\$	5,050	\$	4,200	\$	4,650	-8%
32001	6410 Laundry & Uniforms	\$ 507	\$	450	\$	525	\$	550	22%
32001	6920 Permits	\$ 2,769	\$	2,050	\$	3,151	\$	2,200	7%
32001	6930 Piping & Electrical Repair	\$ 4,405	\$	6,300	\$	8,000	\$	7,500	19%
32001	6940 Planned Maintenance	\$ 7,635	\$	13,500	\$	3,028	\$	13,500	0%
32001	7010 Plant Contracts	\$ 15,660	\$	21,050	\$	9,290	\$	21,050	0%
32001	7320 Safety Equipment	\$ 977	\$	1,000	\$	392	\$	1,000	0%
<b>Total Non-Personnel Expenses</b>		<b>\$ 402,596</b>	<b>\$</b>	<b>395,700</b>	<b>\$</b>	<b>403,713</b>	<b>\$</b>	<b>432,850</b>	<b>9%</b>

### INTERNAL SERVICE FUNDS

		Actual FY2020		Budget FY2021		Projected FY2021		Recommended FY2022	%
									Change
11001	Administration	\$ 48,227	\$	49,317	\$	47,196	\$	53,457	8%
<b>Total Internal Service Fund Expenses</b>		<b>\$ 48,227</b>	<b>\$</b>	<b>49,317</b>	<b>\$</b>	<b>47,196</b>	<b>\$</b>	<b>53,457</b>	<b>8%</b>
<b>Total Operating Expenses</b>		<b>\$ 653,866</b>	<b>\$</b>	<b>659,807</b>	<b>\$</b>	<b>721,444</b>	<b>\$</b>	<b>734,851</b>	<b>11%</b>

## OPERATING EXPENSE SUMMARY: BUENA CREEK PUMP STATION

### PERSONNEL

		Actual FY2020		Budget FY2021		Projected FY2021		Recommended FY2022	%
									Change
5100	Salaries	\$ 122,085	\$	128,458	\$	188,108	\$	182,184	42%
5200	Benefits	\$ 56,067	\$	68,950	\$	91,064	\$	92,340	34%
<b>Total Personnel Expenses</b>		<b>\$ 178,152</b>	<b>\$</b>	<b>197,408</b>	<b>\$</b>	<b>279,173</b>	<b>\$</b>	<b>274,524</b>	<b>39%</b>

### NON-PERSONNEL

		Actual FY2020		Budget FY2021		Projected FY2021		Recommended FY2022	%
									Change
37001	5431 Water	\$ 2,030	\$	2,050	\$	2,273	\$	2,000	-2%
37001	5435 Electricity	\$ 145,195	\$	142,050	\$	153,522	\$	156,200	10%
37001	6120 Fuel & Lube	\$ 3,647	\$	4,250	\$	3,800	\$	4,400	4%
37001	6410 Laundry & Uniforms	\$ 508	\$	450	\$	525	\$	550	22%
37001	6920 Permits	\$ 2,417	\$	2,950	\$	2,882	\$	2,250	-24%
37001	6930 Piping & Electrical Repair	\$ 796	\$	5,000	\$	4,500	\$	5,000	0%
37001	6940 Planned Maintenance	\$ 4,391	\$	6,000	\$	6,135	\$	6,500	8%
37001	7010 Plant Contracts	\$ 11,445	\$	22,700	\$	15,589	\$	22,700	0%
37001	7320 Safety Equipment	\$ 693	\$	700	\$	59	\$	700	0%
<b>Total Non-Personnel Expenses</b>		<b>\$ 171,122</b>	<b>\$</b>	<b>186,150</b>	<b>\$</b>	<b>189,285</b>	<b>\$</b>	<b>200,300</b>	<b>8%</b>

### INTERNAL SERVICE FUNDS

		Actual FY2020		Budget FY2021		Projected FY2021		Recommended FY2022	%
									Change
11001	Administration	\$ 41,142	\$	42,884	\$	41,040	\$	49,627	16%
<b>Total Internal Service Fund Expenses</b>		<b>\$ 41,142</b>	<b>\$</b>	<b>42,884</b>	<b>\$</b>	<b>41,040</b>	<b>\$</b>	<b>49,627</b>	<b>16%</b>
<b>Total Operating Expenses</b>		<b>\$ 390,416</b>	<b>\$</b>	<b>426,442</b>	<b>\$</b>	<b>509,498</b>	<b>\$</b>	<b>524,451</b>	<b>23%</b>

# OPERATING EXPENSE SUMMARY: CARLSBAD WATER RECYCLING FACILITY

<b>PERSONNEL</b>		<b>Actual</b>	<b>Budget</b>	<b>Projected</b>	<b>Recommended</b>	<b>%</b>
		<b>FY2020</b>	<b>FY2021</b>	<b>FY2021</b>	<b>FY2022</b>	<b>Change</b>
5100	Salaries	\$ 358,141	\$ 380,727	\$ 426,798	\$ 374,537	-2%
5200	Benefits	\$ 167,292	\$ 203,758	\$ 138,362	\$ 195,001	-4%
<b>Total Personnel Expenses</b>		<b>\$ 525,433</b>	<b>\$ 584,485</b>	<b>\$ 565,160</b>	<b>\$ 569,538</b>	<b>-3%</b>

<b>NON-PERSONNEL</b>		<b>Actual</b>	<b>Budget</b>	<b>Projected</b>	<b>Recommended</b>	<b>%</b>
		<b>FY2020</b>	<b>FY2021</b>	<b>FY2021</b>	<b>FY2022</b>	<b>Change</b>
38001 5394	Sodium Hydroxide	\$ 6,966	\$ 17,500	\$ 10,891	\$ 17,500	0%
38001 5395	Citric Acid	\$ 13,095	\$ 30,350	\$ 18,103	\$ 30,350	0%
38001 5407	Sodium Hypochlorite	\$ 139,949	\$ 176,400	\$ 171,211	\$ 185,100	5%
38001 5408	Coagulation Polymer	\$ -	\$ 3,300	\$ -	\$ 3,300	0%
38001 5411	Sodium Bisulfate	\$ 5,943	\$ 22,650	\$ 10,706	\$ 21,550	-5%
38001 5412	Alum	\$ -	\$ 14,100	\$ -	\$ 14,100	0%
38001 5435	Electricity	\$ 173,145	\$ 195,950	\$ 192,100	\$ 189,500	-3%
38001 5530	Misc. Corrosion Protection	\$ -	\$ 2,000	\$ -	\$ 2,000	0%
38001 5910	Equipment Rental	\$ -	\$ 3,500	\$ -	\$ 3,500	0%
38001 6120	Fuel & Lube	\$ 69	\$ 700	\$ 120	\$ 700	0%
38001 6230	Janitorial	\$ 1,575	\$ 2,100	\$ 2,100	\$ 2,100	0%
38001 6410	Laundry & Uniforms	\$ 978	\$ 1,250	\$ 948	\$ 1,250	0%
38001 6424	Information Systems	\$ 3,958	\$ 4,000	\$ 4,591	\$ 4,000	0%
38001 6450	Professional Services	\$ 18,585	\$ 25,000	\$ 18,504	\$ 25,000	0%
38001 6920	Permits	\$ 21,156	\$ 18,950	\$ 23,000	\$ 23,000	21%
38001 6930	Piping & Electrical Repair	\$ 6,003	\$ 8,000	\$ 15,000	\$ 10,000	25%
38001 6940	Planned Maintenance	\$ 28,176	\$ 31,300	\$ 27,747	\$ 35,000	12%
38001 7010	Plant Contracts	\$ 4,977	\$ 30,550	\$ 12,000	\$ 30,500	0%
38001 7320	Safety Equipment	\$ 1,162	\$ 1,200	\$ 2,206	\$ 1,200	0%
<b>Total Non-Personnel Expenses</b>		<b>\$ 425,898</b>	<b>\$ 588,800</b>	<b>\$ 509,227</b>	<b>\$ 599,650</b>	<b>2%</b>

<b>INTERNAL SERVICE FUNDS</b>		<b>Actual</b>	<b>Budget</b>	<b>Projected</b>	<b>Recommended</b>	<b>%</b>
		<b>FY2020</b>	<b>FY2021</b>	<b>FY2021</b>	<b>FY2022</b>	<b>Change</b>
11001	Administration	\$ 140,329	\$ 154,886	\$ 148,226	\$ 165,901	7%
12001	Laboratory	\$ 59,426	\$ 64,693	\$ 65,806	\$ 70,262	9%
<b>Total Internal Service Fund Expenses</b>		<b>\$ 199,755</b>	<b>\$ 219,579</b>	<b>\$ 214,032</b>	<b>\$ 236,163</b>	<b>8%</b>
<b>Total Operating Expenses</b>		<b>\$ 1,151,086</b>	<b>\$ 1,392,864</b>	<b>\$ 1,288,419</b>	<b>\$ 1,405,351</b>	<b>1%</b>

# OPERATING EXPENSE SUMMARY: RACEWAY BASIN PUMP STATION

## PERSONNEL

		Actual FY2020		Budget FY2021		Projected FY2021		Recommended FY2022		% Change
5100	Salaries	\$ 98,544	\$	104,750	\$	127,248	\$	117,426		12%
5200	Benefits	\$ 45,224	\$	56,337	\$	62,237	\$	61,854		10%
<b>Total Personnel Expenses</b>		<b>\$ 143,768</b>	<b>\$</b>	<b>161,087</b>	<b>\$</b>	<b>189,485</b>	<b>\$</b>	<b>179,280</b>		<b>11%</b>

## NON-PERSONNEL

		Actual FY2020		Budget FY2021		Projected FY2021		Recommended FY2022		% Change
39001	5431 Water	\$ 906	\$	900	\$	903	\$	1,000		11%
39001	5435 Electricity	\$ 30,030	\$	30,150	\$	28,717	\$	31,500		4%
39001	6120 Fuel & Lube	\$ 2,285	\$	4,550	\$	3,100	\$	4,400		-3%
39001	6410 Laundry & Uniforms	\$ 508	\$	450	\$	525	\$	550		22%
39001	6920 Permits	\$ 2,788	\$	2,300	\$	1,162	\$	2,100		-9%
39001	6930 Piping & Electrical Repair	\$ 947	\$	2,000	\$	700	\$	2,000		0%
39001	6940 Planned Maintenance	\$ 1,225	\$	5,000	\$	1,600	\$	5,000		0%
39001	7010 Plant Contracts	\$ 11,847	\$	20,150	\$	13,300	\$	20,150		0%
39001	7320 Safety Equipment	\$ 617	\$	650	\$	34	\$	650		0%
<b>Total Non-Personnel Expenses</b>		<b>\$ 51,153</b>	<b>\$</b>	<b>66,150</b>	<b>\$</b>	<b>50,041</b>	<b>\$</b>	<b>67,350</b>		<b>2%</b>

## INTERNAL SERVICE FUNDS

		Actual FY2020		Budget FY2021		Projected FY2021		Recommended FY2022		% Change
11001	Administration	\$ 29,758	\$	32,170	\$	30,786	\$	35,384		10%
<b>Total Internal Service Fund Expenses</b>		<b>\$ 29,758</b>	<b>\$</b>	<b>32,170</b>	<b>\$</b>	<b>30,786</b>	<b>\$</b>	<b>35,384</b>		<b>10%</b>
<b>Total Operating Expenses</b>		<b>\$ 224,679</b>	<b>\$</b>	<b>259,407</b>	<b>\$</b>	<b>270,312</b>	<b>\$</b>	<b>282,014</b>		<b>9%</b>

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## INTERNAL SERVICE FUNDS

Internal Service Funds (ISFs) make categorical and overhead charges to operating and capital programs. Categorical charges are costs incurred by the ISF that are directly attributable to a particular operating or capital program the ISF supports. Overhead charges are costs incurred by the ISF that support more than one operating or capital program. EWA’s budget reflects three ISFs: (1) Administration; (2) Laboratory; and, (3) Energy Management. The existence of these ISFs traces back to the 1998 EWA Staffing Reorganization and management’s effort to distinguish between costs required to ensure public health, produce effluent water compliant with NPDES Permit standards, and maintain the associated Encina Joint System infrastructure from costs associated with administering the Encina Joint System that could be taken on by a Member Agency or a third party administrator (Administration), permit compliance activities that could be contracted out (Laboratory), and power that could be purchased from San Diego Gas & Electric (Energy Management).

**Administration** – The Administration Internal Service Fund provides professional support services to EWA’s Board of Directors as well as all Operating and Capital Programs. Administration plans and executes EWA’s business, asset management, and financial plans; provides treasury and accountancy management; is responsible for required and supplemental financial reporting; administers all human resources functions, employee benefits, professional development, and other “Employer of Choice” initiatives; and, supports EWA’s governance activities.

**Laboratory** – The Laboratory Internal Service Fund is responsible for monitoring and reporting activities required by: (1) EWA’s National Pollutant Discharge Elimination System (NPDES) Permit; (2) permits related to facilities operated and maintained by EWA staff; (3) EWA’s Storm Water Permit; and, (4) permits and contracts related to biosolids use. The Laboratory is also responsible for management of EWA’s Joint Flow Metering System (JFMS), as well as the sampling and data compilation elements of EWA’s Financial Plan and Revenue Program.

EWA’s Laboratory, which is certified by the State of California’s Environmental Laboratory Accreditation Program, analyzes over 32,000 samples per year including process control, plant influent and effluent, biosolids, industrial user samples, ocean water, storm water, and drinking water. A portion of the analyses is completed under contract for EWA’s Member Agencies, which generated \$191,224 in revenue in FY2020, offsetting operating expenses.

**Energy Management** – The Energy Management Internal Service Fund utilizes the EWPCF’s power production and heat exchange facilities to maximize the beneficial reuse of digester gas produced in the wastewater treatment process thus minimizing the amount of energy EWA must purchase to operate the EWPCF. EWPCF’s Energy Management facilities generates about 12 million kilowatt hours of green electricity per year from biogas thus providing about 84.0% of the electricity required to operate the EWPCF. EWA is a member of the Environmental Protection Agency’s Green Power Partnership and has been ranked in the Top 30 of the Green Power Leadership Club for On-Site Generation since 2011.



*Overhaul on a 1,000 horsepower engine*

**Cost Allocation** – All ISF costs and revenues are allocated internally to one or more Operating or Capital program on the basis of use. Each Operating and Capital program has its own cost allocation that apportions its net costs the Member Agencies.



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# OPERATING EXPENSE SUMMARY: INTERNAL SERVICE FUNDS

## PERSONNEL EXPENSES

	Actual FY2020	Budget FY2021	Projected FY2021	Recommended FY2022	% Change
5100 Salaries	\$ 1,730,858	\$ 1,642,122	\$ 1,728,376	\$ 1,591,433	-3%
5200 Benefits	\$ 745,239	\$ 784,319	\$ 796,245	\$ 759,196	-3%
<b>Total Personnel Expenses</b>	<b>\$ 2,476,097</b>	<b>\$ 2,426,441</b>	<b>\$ 2,524,620</b>	<b>\$ 2,350,629</b>	<b>-3%</b>

## NON-PERSONNEL EXPENSES

	Actual FY2020	Budget FY2021	Projected FY2021	Recommended FY2022	% Change
11001 5445 Telephone	\$ 88,112	\$ 86,800	\$ 83,520	\$ 86,400	0%
11001 5510 Advertising	\$ 2,382	\$ 3,000	\$ 2,327	\$ 3,000	0%
11001 5810 Employee Recognition	\$ 14,566	\$ 15,000	\$ 16,895	\$ 16,000	7%
11001 5920 Equipment Repair Maint	\$ 17,955	\$ 23,800	\$ 17,599	\$ 23,800	0%
11001 6210 Independent Auditor/Actuary	\$ 18,144	\$ 31,000	\$ 28,644	\$ 31,000	0%
11001 6220 Insurance	\$ 236,751	\$ 263,200	\$ 268,000	\$ 290,800	10%
11001 6420 Legal Services	\$ 92,893	\$ 95,000	\$ 95,000	\$ 95,000	0%
11001 6430 Memberships	\$ 85,589	\$ 80,000	\$ 83,332	\$ 86,900	9%
11001 6440 Mileage Reimbursement	\$ 2,454	\$ 4,800	\$ -	\$ 2,000	-58%
11001 6424 Info Systems: Infrastructure	\$ -	\$ -	\$ -	\$ 280,000	0%
11001 6450 Professional Services	\$ 109,542	\$ 157,400	\$ 117,965	\$ 147,700	-6%
11001 6830 Materials & Supplies	\$ 27,334	\$ 36,000	\$ 18,790	\$ 36,000	0%
11001 7110 Postage	\$ 4,029	\$ 5,550	\$ 5,044	\$ 5,550	0%
11001 7120 Printing & Reproduction	\$ 66	\$ 3,900	\$ 1,000	\$ 3,900	0%
11001 7410 Subscriptions	\$ 2,320	\$ 2,250	\$ 600	\$ 1,400	-38%
11001 7610 Professional Development	\$ 73,795	\$ 133,900	\$ 37,142	\$ 78,000	-42%
12001 5520 Books	\$ 80	\$ 500	\$ 500	\$ -	-100%
12001 6120 Fuel & Lube	\$ 398	\$ 500	\$ 400	\$ 500	0%
12001 6310 Lab Equipment Repair	\$ 23,671	\$ 30,850	\$ 27,301	\$ 30,850	0%
12001 6320 Lab Minor Equip Replace	\$ 2,359	\$ 2,050	\$ 2,000	\$ 2,050	0%
12001 6330 Lab Supplies	\$ 69,443	\$ 83,550	\$ 59,241	\$ 84,050	1%
12001 6410 Laundry & Uniforms	\$ 4,239	\$ 4,400	\$ 4,046	\$ 4,400	0%
12001 6450 Professional Services	\$ 6,123	\$ 16,500	\$ 9,990	\$ 16,500	0%
12001 6910 Outside Analysis	\$ 11,246	\$ 9,400	\$ 12,211	\$ 13,500	44%
12001 6911 Effluent Testing	\$ 1,160	\$ 2,000	\$ 972	\$ 2,000	0%
12001 6912 Biosolids Testing	\$ 6,857	\$ 12,500	\$ 8,528	\$ 12,500	0%
12001 6913 Industrial User Testing	\$ 6,533	\$ 33,000	\$ 27,005	\$ 33,000	0%
12001 6920 Permits	\$ 8,394	\$ 9,000	\$ 8,400	\$ 9,500	6%
12001 7120 Printing & Reproduction	\$ 318	\$ 500	\$ -	\$ 500	0%
12001 7330 Specialty Services	\$ 5,770	\$ 14,250	\$ 8,400	\$ 14,250	0%
13001 5410 Chemicals	\$ 10,608	\$ 10,550	\$ 7,561	\$ 10,550	0%
13001 5435 Electricity	\$ 1,191,174	\$ 1,233,300	\$ 1,221,500	\$ 1,301,100	5%

continued →

<b>NON-PERSONNEL EXPENSES (cont.)</b>			<b>Actual</b>	<b>Budget</b>	<b>Projected</b>	<b>Recommended</b>	<b>%</b>
			<b>FY2020</b>	<b>FY2021</b>	<b>FY2021</b>	<b>FY2022</b>	<b>Change</b>
13001	5440	Natural Gas	\$ 464,790	\$ 505,000	\$ 556,800	\$ 567,000	12%
13001	6120	Fuel & Lube	\$ 26,096	\$ 33,500	\$ 32,155	\$ 33,500	0%
13001	6230	Janitorial	\$ 2,407	\$ 4,200	\$ -	\$ 4,200	0%
13001	6410	Laundry & Uniforms	\$ 1,186	\$ 1,200	\$ 1,159	\$ 1,200	0%
13001	6730	Non-Specific Repair & Maintenance	\$ 24,819	\$ 25,000	\$ 13,416	\$ 25,000	0%
13001	6920	Permits	\$ 11,557	\$ 19,950	\$ 14,101	\$ 15,000	-25%
13001	6940	Planned Maintenance	\$ 92,897	\$ 108,000	\$ 87,052	\$ 108,000	0%
13001	7330	Specialty Services	\$ 22,922	\$ 61,000	\$ 46,000	\$ 61,000	0%
13001	7510	Tools	\$ 4,489	\$ 2,000	\$ 2,000	\$ 2,000	0%
<b>Total Non-Personnel Expenses</b>			<b>\$ 2,775,468</b>	<b>\$ 3,164,300</b>	<b>\$ 2,926,596</b>	<b>\$ 3,539,600</b>	<b>12%</b>
<b>Total Operating Expenses</b>			<b>\$ 5,251,565</b>	<b>\$ 5,590,741</b>	<b>\$ 5,451,216</b>	<b>\$ 5,890,229</b>	<b>5%</b>

## CAPITAL PROGRAM

The Authority's Capital Program consists of the following elements: (1) EWPCF – Capital Improvements; (2) EWPCF – Planned Asset Rehabilitation & Replacement; (3) EWPCF – Capital Acquisitions; (4) Remote Facilities – Acquisitions & Rehabilitation; (5) Five-Year Capital Improvement Plan; and (6) Twenty Year Capital Improvement Plan.

**EWPCF – Capital Improvements** – Capital Improvement Projects are those projects that increase or maintain the capacity of the Joint System and require a significant time commitment from staff. These projects regularly span multiple fiscal years and, therefore, unspent appropriations are typically carried forward by the Authority's annual Appropriations Resolution. Capital Project costs are allocated to Member Agencies based on ownership of the affected facilities. All Capital Projects are studied, designed, and executed pursuant to EWA's Comprehensive Asset Management Plan.



Digester Sunrise

**EWPCF – Planned Asset Rehabilitation & Replacement** – Planned Asset Rehabilitation & Replacement projects extend the useful life of existing Joint System facilities and require a significant time commitment from staff. These projects are typically completed within a fiscal year, however, if a project cannot be completed, the Authority's annual Appropriations Resolution will identify unspent appropriations to be carried forward. Planned Asset Replacement costs are allocated based on ownership of the affected facilities.

**EWPCF – Capital Acquisitions** – Capital Acquisitions include the purchase of new items and minor facility projects that maintain the capacity and useful life of existing Joint System facilities. Expenditures are allocated based on the benefiting program or internal service fund.

**Remote Facilities – Acquisitions & Rehabilitation** – Remote Facility Acquisitions and Rehabilitation include the purchase of new items and minor facility projects that maintain the capacity and useful life of existing remote facilities operated by the Authority. Expenditures are allocated based on ownership of the affected facilities.

# CAPITAL PROGRAM (cont.)

## LONG TERM CAPITAL IMPROVEMENTS

**Five-Year Capital Improvement Plan** – The Five-Year Capital Improvement Plan includes expenditure projections for current and planned projects expected to require additional appropriations through FY2026, as identified by EWA’s Comprehensive Asset Management Plan (CAMP) documents. The Five-Year Capital Improvement Plan is developed and sequenced pursuant to EWA’s Comprehensive Asset Management Plan.

**Twenty-Year Capital Improvement Plan** – The Twenty-Year Capital Improvement Plan includes expenditure projections for current and planned projects expected to require additional appropriations through FY2041, as identified by EWA’s CAMP documents.

Engineering estimates for both the Five-Year and Twenty-Year Programs assume annual inflation rate increases based on the Engineering News Record Construction Cost Index for Los Angeles (ENRCLA). The ENR cost index is a widely accepted method for tracking trends in industrial construction such as wastewater treatment plants. As planning reports are updated or other information becomes available, the long-term financial schedules may be revised. Capital Programs may also be modified due to unanticipated wastewater service requirements by one or more Member Agencies, changes in local population and development growth patterns, and new regulatory requirements.

## SUMMARY of CAPITAL EXPENSES

	Actual FY2020	Budget FY2021	Recommended FY2022
EWPCF – Capital Improvements	\$ 18,956,289	\$ 16,921,000	\$ 16,454,000
EWPCF – Planned Asset Rehabilitation & Replacement	\$ 1,029,772	\$ 989,500	\$ 1,101,000
EWPCF – Capital Acquisitions	\$ 402,000	\$ 346,700	\$ 349,000
Remotes Facilities – Acquisitions & Rehabilitation	\$ 606,227	\$ 3,176,500	\$ 2,488,500
<b>Subtotal</b>	<b>\$ 20,994,288</b>	<b>\$ 21,433,700</b>	<b>\$ 20,392,500</b>
Salaries & Benefits	\$ 2,725,860	\$ 2,815,323	\$ 2,902,344
<b>Total Capital Expense</b>	<b>\$ 23,720,148</b>	<b>\$ 24,249,023</b>	<b>\$ 23,294,844</b>

## ESTIMATED REVENUES

	Actual FY2020	Budget FY2021	Recommended FY2022
City of Carlsbad	\$ 5,790,011	\$ 7,725,404	\$ 6,727,897
City of Vista	\$ 6,084,522	\$ 5,712,138	\$ 5,809,117
Buena Sanitation District	\$ 1,713,509	\$ 1,780,933	\$ 1,799,167
Vallecitos Water District	\$ 5,153,411	\$ 4,660,409	\$ 4,620,502
Leucadia Wastewater District	\$ 3,861,059	\$ 3,487,794	\$ 3,462,285
City of Encinitas	\$ 976,758	\$ 882,345	\$ 875,876
<b>Total Capital Revenue</b>	<b>\$ 23,579,270</b>	<b>\$ 24,249,023</b>	<b>\$ 23,294,844</b>

CAPITAL IMPROVEMENT PROGRAM  
MULTI-YEAR PROJECTS

	Actual FY2020	Budget FY2021	Recommended FY2022
<i>Liquid Process</i>	\$ 8,872,959	\$ 7,500,000	\$ 4,769,000
<i>Outfall</i>	\$ 353,878	\$ 226,000	\$ -
<i>Solids Process</i>	\$ 2,949,803	\$ 1,660,000	\$ 4,425,000
<i>Energy Management</i>	\$ 1,730,151	\$ 900,000	\$ 519,000
<i>General</i>	\$ 1,321,139	\$ 3,966,000	\$ 4,112,000
<i>Technology</i>	\$ 1,136,395	\$ 1,385,000	\$ 1,669,000
<i>Professional Services</i>	\$ 2,591,964	\$ 1,284,000	\$ 960,000
Total EWPCF – Capital Improvements	\$ 18,956,289	\$ 16,921,000	\$ 16,454,000
EWPCF – Planned Asset Rehabilitation & Replacement	\$ 1,029,772	\$ 989,500	\$ 1,101,000
EWPCF – Capital Acquisitions	\$ 402,000	\$ 346,700	\$ 349,000
Remote Facilities – Acquisitions & Rehabilitation	\$ 606,227	\$ 3,176,500	\$ 2,488,500
Personnel	\$ 2,725,860	\$ 2,815,323	\$ 2,902,344
<b>Total Capital Expense</b>	<b>\$ 23,720,148</b>	<b>\$ 24,249,023</b>	<b>\$ 23,294,844</b>



## EWPCF – CAPITAL IMPROVEMENTS

Org	Object	Project	Description	Amount	Totals
92102	8300	11005	Primary Area Improvements	\$ 2,697,000	
92102	8300	13007	Secondary Clarifiers and Strainers Improvements	\$ 2,072,000	
			<i>Total Liquid Process</i>		\$ 4,769,000
92102	8300	31006	DAFT Repairs	\$ 1,256,000	
92102	8300	32013	Digester Rehabilitation and Improvements	\$ 1,706,000	
92102	8300	33025	Dryer Components Rehabilitation	\$ 152,000	
92102	8300	33026	Drying Safety Improvements	\$ 1,311,000	
			<i>Total Solids Process</i>		\$ 4,425,000
92102	8300	41005	Cogen Engine Top-End Overhaul	\$ 340,000	
92102	8300	41024	Automate Main Breakers in CoGen	\$ 129,000	
92102	8300	41025	Combined Generator Control Module Replacement	\$ 50,000	
			<i>Total Energy Management</i>		\$ 519,000
92102	8300	51002	ORF Carbon Media Replacement	\$ 150,000	
92102	8300	51014	ORF 1A Treatment System	\$ 556,000	
92102	8300	51016	ORF Short Term Improvements	\$ 356,000	
92102	8300	52012	Site Security Facilities - Tier 1	\$ 100,000	
92102	8300	52021	Climate Control at MCCs and Cogen Building	\$ 1,300,000	
92102	8300	52044	Flood Control Channel Restoration	\$ 100,000	
92102	8300	52032	Plant-Wide Asset Painting and Protective Coating	\$ 50,000	
92102	8300	53013	Headworks Building Roof	\$ 200,000	
92102	8300	54005	Implement Minor Condition Assessment Recommendations	\$ 150,000	
92102	8300	54006	As-Needed Contractor Services	\$ 1,000,000	
92102	8300	54007	Miscellaneous Building Rehabilitation	\$ 150,000	
			<i>Total General</i>		\$ 4,112,000
92102	8300	61206	Secondaries Electrical and Controls Improvements	\$ 406,000	
92102	8300	61208	CPS/SEEPS Controls Improvements	\$ 244,000	
92102	8300	61209	Blower Controls Improvements	\$ 125,000	
92102	8300	61211	Chlorine Building and EPS Electrical & Controls Improvements	\$ 434,000	
92102	8300	61514	As-Needed SCADA Integration Services	\$ 210,000	
92102	8300	62709	As-Needed IT & Cyber Security Services	\$ 250,000	
			<i>Total Technology</i>		\$ 1,669,000
92102	8300	81016	Asset Condition Assessments - EWPCF	\$ 100,000	
92102	8300	82015	Water Reuse Strategic Plan	\$ 75,000	
92102	8300	82024	Source Control Program Evaluation	\$ 85,000	
92102	8300	84008	Extension of Staff Engineering Services	\$ 650,000	
92102	8300	84002	Research and Development Projects Services	\$ 50,000	
			<i>Total Professional Services</i>		\$ 960,000
<b>Total EWPCF – Capital Improvements</b>					<b>\$ 16,454,000</b>

## EWPCF – PLANNED ASSET REHABILITATION & REPLACEMENT

Org	Object	Project	Description	Amount	Totals
80002	8010	80711	General Plant Repairs & Unplanning Repair	\$ 140,000	
80002	8010	80721	Plant Security Services	\$ 65,000	
80002	8010	80731	Door Hinge and Lock Repair	\$ 27,000	
80002	8010	80751	Replace Plant Lighting	\$ 40,000	
			<i>Total General Plant</i>		\$ 272,000
80002	8020	80771	TWAS Pump Rebuild	\$ 28,500	
80002	8020	80781	DAF Pressurization Pump rebuild	\$ 10,500	
80002	8020	80791	DAF Poly Pump Rebuild	\$ 5,000	
80002	8020	80801	Plug Valve Replacement	\$ 5,000	
			<i>Total TWAS &amp; DAF System</i>		\$ 49,000
80002	8030	80811	Water Systems Pump Rebuild (2W, 3W, 3WL, 3WLC)	\$ 40,000	
80002	8030	80821	3WL Motor Replacement	\$ 8,000	
80002	8030	80971	Chlorine Pump Rebuild	\$ 5,000	
			<i>Total Water Systems</i>		\$ 53,000
80002	8050	80851	Primary Sludge Pump Replacement	\$ 25,000	
80002	8050	80860	Primary Sed Tank Parts	\$ 50,000	
80002	8050	80860	Primary Sed Tank Drive Unit Replacement	\$ 16,000	
80002	8050	80860	Primary Sed Tank Eff Gate Replacement	\$ 22,000	
80002	8050	80202	Sludge Pump Rebuild Kit	\$ 25,000	
80002	8050	80880	Primary Area Tank Drainage Pump Rebuild	\$ 5,000	
80002	8050	80891	Plant Drainage Rebuild	\$ 8,000	
80002	8050	80901	Primary Grinder Rebuild	\$ 12,000	
80002	8050	80921	Grit Pump Rebuilds (2)	\$ 30,000	
80002	8050	80931	Ferric / Polymer Pumps (2)	\$ 10,000	
80002	8050	80189	Replace Valves in Gallery (8"=5, 6"=5)	\$ 10,000	
			<i>Total Primary Area</i>		\$ 213,000
80002	8050	80961	FOG Metering Pump Replacement	\$ 23,000	
80002	8050	80212	Recirc Pump Rebuild	\$ 12,000	
80002	8050	80199	FOG Transporter (Lobe Pump) Rebuild	\$ 11,500	
			<i>Total FOG System</i>		\$ 46,500
80002	8060	80222	Flow Meter Replacement	\$ 10,000	
80002	8060	80232	Skimmer Assy Replacement	\$ 16,000	
80002	8060	80981	New Tank Drainage Pump	\$ 12,000	
80002	8060	81021	RAS Pump Replacement	\$ 40,000	
80002	8060	81031	Aeration Basin DO Probe Replacements (1 basin)	\$ 30,000	
80002	8060	81041	WAS Pump Rebuild	\$ 30,000	
			Effluent Motor Rehab	\$ 23,000	
			<i>Total Secondary Area</i>		\$ 161,000

Org	Object	Project	Description	Amount	Totals
80002	8070	81061	Digester Mix Pump Minor Rebuild	\$ 10,000	
80002	8070	80242	Digester Transfer Pump Rebuild	\$ 9,000	
80002	8070	81091	Digester #2 Recirculation Rebuild	\$ 12,500	
80002	8070	81101	Digester Hot Water Pump Replacement	\$ 5,000	
80002	8070	80096	Gas Equipment Maintenance	\$ 10,000	
80002	8070	81111	Digester Heat Recirculation Pump Rebuild	\$ 13,000	
			<i>Total Digester Area</i>		\$ 59,500
80002	8080	80309	Centrifuge Feed Pump Grinder Rebuild	\$ 12,000	
80002	8080	81131	Centrifuge Feed Pump and Motor Rebuild	\$ 12,000	
			<i>Total Centrifuge Feed Pit</i>		\$ 24,000
80002	8080	81141	Cake Pump Rebuild	\$ 25,000	
80002	8080	80761	RTO Media Replacement	\$ 60,000	
80002	8080	81161	RTO Popit Valve Replacement (4)	\$ 10,000	
80002	8080	81171	Rotary Valve Replacement	\$ 16,000	
80002	8080	81191	Wet Scrubber Chevron Set Replacement	\$ 5,000	
80002	8080	81201	HD Furnace Safety Inspection	\$ 7,000	
80002	8080	80252	OCF-1 VFD Replacement	\$ 24,000	
80002	8080	80262	Misc Motors	\$ 15,000	
80002	8080	80272	Tuck Scale Load Cell Replacement	\$ 12,000	
80002	8080	70801	Centrifuge VFD Line Filter	\$ 8,000	
			<i>Total Solids Processing Equipment</i>		\$ 182,000
80002	8090	80282	Heatloop Pump Repair	\$ 18,000	
80002	8090	80292	Engine Cooling Pump VFD	\$ 15,000	
80002	8090	81241	UPS Repair and Warranty	\$ 8,000	
			<i>Total Cogeneration System</i>		\$ 41,000
<b>Total EWPCF – Planned Asset Rehabilitation &amp; Replacement</b>					<b>\$ 1,101,000</b>

## EWPCF – CAPITAL ACQUISITIONS

Org	Object	Project	Description	Amount	Totals
23002	7710	70711	MUNIS Contract Services	\$ 50,000	
23002	7710	70721	Computer Replacement	\$ 25,000	
23002	7710	70202	SCADA Clients	\$ 10,000	
23002	7710	70212	Direct Access Replacement	\$ 25,000	
23002	7710	70222	Email Archiver Replacement	\$ 16,000	
23002	7710	70232	Tool Vibration Tester	\$ 12,500	
23002	7710	70242	Acoustic Imager	\$ 26,000	
23002	7710	70731	Penetration Testing	<u>\$ 15,000</u>	
			<i>Total Information Technology</i>		\$ 179,500
23002	7730	70252	Misc Motor Replacements	\$ 30,000	
23002	7730	70107	Vehicle Replacement (Ops Truck)	\$ 29,500	
23002	7730	70751	Cart Rehab/Replacement	<u>\$ 42,000</u>	
			<i>Total New Equipment</i>		\$ 101,500
23002	7750	70262	Muffle Furnace	<u>\$ 13,000</u>	
			<i>Total Operations &amp; Administration Building</i>		\$ 13,000
23002	7750	70801	Centrifuge Rehabilitation	<u>\$ 55,000</u>	
			<i>Total EWPCF Plant</i>		\$ 55,000
<b>Total EWPCF – Capital Acquisitions</b>					<b>\$ 349,000</b>

## REMOTE FACILITIES – ACQUISITIONS & REHABILITATION

Org	Object	Project	Description	Amount	Totals
31002	7750	70830	AHPS - Grinder Rebuild	\$ 28,000	
31002	7750	70840	AHPS - Pump Rebuild	\$ 30,000	
31002	7750	70850	AHPS - Unplanned Minor Rehab	\$ 15,000	
31002	7750	70860	AHPS - VFD Repairs	\$ 10,000	
31002	7750	70870	AHPS - Integration Assistance	\$ 25,000	
31002	7750	70880	AHPS - R-CAMP	\$ 17,000	
			<i>Total AHPS</i>		\$ 125,000
32002	7750	70811	BVPS - Minor EI&C Rehabilitation	\$ 75,000	
32002	7750	70821	BVPS - Minor Mechanical Rehabilitation	\$ 55,000	
32002	7750	70825	BVPS - Minor Structural Rehabilitation	\$ 120,000	
32002	7750	70910	BVPS - Grinder Rebuild	\$ 49,000	
32002	7750	70219	BVPS - Sewage Pump Rebuild	\$ 28,000	
32002	7750	70920	BVPS - Coatings and Paintings	\$ 6,000	
32002	7750	70930	BVPS - Unplanned Minor Rehabilitation	\$ 9,000	
32002	7750	70940	BVPS - Integration Assistance	\$ 15,000	
32002	7750	70960	BVPS - VFD Repairs	\$ 10,000	
32002	7750	70902	BVPS - R-CAMP	\$ 29,000	
			<i>Total BVPS</i>		\$ 396,000
37002	7750	70851	BCPS - Minor Mechanical Rehabilitation	\$ 11,500	
37002	7750	70855	BCPS - Minor Structural Rehabilitation	\$ 44,000	
37002	7750	70990	BCPS - Grinder Rebuild	\$ 49,000	
37002	7750	70990	BCPS - New Grinder	\$ 30,000	
37002	7750	71000	BCPS - Sewage Pump Rebuild	\$ 26,000	
37002	7750	71010	BCPS - Sewage Pump Motor Rebuild	\$ 6,000	
37002	7750	71030	BCPS - Coatings and Paintings	\$ 5,000	
37002	7750	71040	BCPS - Unplanned Minor Rehabilitation	\$ 8,000	
37002	7750	71060	BCPS - Integration Assistance	\$ 15,000	
37002	7750	71050	BCPS - VFD Repairs	\$ 15,000	
37002	7750	71059	BCPS - Minor EI&C Rehabilitation	\$ 99,500	
37002	7750	70980	BCPS - R-CAMP	\$ 29,000	
			<i>Total BCPS</i>		\$ 338,000
38002	7750	71062	CWRF - MF System Decommissioning	\$ 7,000	
38002	7750	71090	CWRF - C-I-P Chem Optimization	\$ 25,000	
38002	7750	71081	CWRF - Minor Structural Rehabilitation	\$ 50,000	
38002	7750	71091	CWRF - Miscellaneous Service Requests	\$ 17,000	
38002	7750	71101	CWRF - SCADA Improvements	\$ 1,200,000	
38002	7750	71111	CWRF - Minor EI&C Rehabilitation	\$ 40,000	
38002	7750	71120	CWRF - Coatings and Paintings	\$ 10,000	
38002	7750	71110	CWRF - Unplanned Minor Rehabilitation	\$ 13,000	
38002	7750	71160	CWRF - Integration Assistance	\$ 50,000	
38002	7750	71130	CWRF - VFD Repairs	\$ 20,000	
38002	7750	71170	CWRF - R-CAMP	\$ 23,000	
			<i>Total CWRF</i>		\$ 1,455,000

Org	Object	Project	Description	Amount	Totals
39002	7750	71191	RBPS - Minor EI&C Rehabilitation	\$ 60,000	
39002	7750	71191	RBPS - Minor Mechanical Rehabilitation	\$ 15,000	
39002	7750	71180	RBPS - Grinder Rebuild	\$ 26,000	
39002	7750	71211	RBPS - Sewage Pump Rebuild	\$ 18,000	
39002	7750	71190	RBPS - Sewage Pump Motor Rebuild	\$ 5,000	
39002	7750	71220	RBPS - Coatings and Paintings	\$ 5,000	
39002	7750	71200	RBPS - Unplanned Minor Rehabilitation	\$ 5,500	
39002	7750	71240	RBPS - Integration Assistance	\$ 15,000	
39002	7750	71210	RBPS - VFD Repairs	\$ 8,000	
39002	7750	71260	RBPS - R-CAMP	\$ 17,000	
			<i>Total RBPS</i>		\$ 174,500
<b>Total Remote Facilities – Capital Acquisitions &amp; Rehabilitation</b>				<b>\$</b>	<b>2,488,500</b>



## LONG-TERM CAPITAL FINANCIAL PLAN 5 YEAR *and* 20 YEAR CAPITAL BUDGET

Fiscal Year	EWPCF Capital Improvements	EWPCF Planned Asset Rehabilitation & Replacement	EWPCF Capital Acquisitions	Remote Facilities Acquisitions & Rehabilitation	Personnel Expense	Total
2022	\$ 16,454,000	\$ 1,101,000	\$ 349,000	\$ 2,488,500	\$ 2,902,344	\$ 23,294,844
2023	\$ 23,910,000	\$ 1,156,000	\$ 356,000	\$ 1,004,500	\$ 2,995,000	\$ 29,421,500
2024	\$ 26,110,000	\$ 1,214,000	\$ 363,000	\$ 1,138,500	\$ 3,091,000	\$ 31,916,500
2025	\$ 29,480,000	\$ 1,275,000	\$ 381,000	\$ 686,500	\$ 3,190,000	\$ 35,012,500
2026	\$ 28,190,000	\$ 1,339,000	\$ 400,000	\$ 770,500	\$ 3,292,000	\$ 33,991,500
<b>5 Year Total</b>	<b>\$ 124,144,000</b>	<b>\$ 6,085,000</b>	<b>\$ 1,849,000</b>	<b>\$ 6,088,500</b>	<b>\$ 15,470,344</b>	<b>\$ 153,636,844</b>
2027	\$ 30,220,000	\$ 1,406,000	\$ 420,000	\$ 809,000	\$ 3,397,000	\$ 36,252,000
2028	\$ 30,000,000	\$ 1,476,000	\$ 441,000	\$ 849,000	\$ 3,506,000	\$ 36,272,000
2029	\$ 27,000,000	\$ 1,550,000	\$ 463,000	\$ 891,000	\$ 3,618,000	\$ 33,522,000
2030	\$ 27,000,000	\$ 1,628,000	\$ 486,000	\$ 936,000	\$ 3,734,000	\$ 33,784,000
2031	\$ 24,000,000	\$ 1,709,000	\$ 510,000	\$ 983,000	\$ 3,853,000	\$ 31,055,000
2032 - 2036	\$ 124,000,000	\$ 9,914,000	\$ 2,963,000	\$ 5,704,000	\$ 21,191,000	\$ 163,772,000
2037 - 2041	\$ 134,000,000	\$ 12,160,000	\$ 3,785,000	\$ 7,283,000	\$ 24,805,000	\$ 182,033,000
<b>20 Year Total</b>	<b>\$ 520,364,000</b>	<b>\$ 35,928,000</b>	<b>\$ 10,917,000</b>	<b>\$ 23,543,500</b>	<b>\$ 79,574,344</b>	<b>\$ 670,326,844</b>

**DATE: MAY 19, 2021**  
**TO: BOARD OF DIRECTORS**  
**SUBJECT: VALLECITOS WATER DISTRICT DRAFT PROPOSED FISCAL YEAR 2021/2022 BUDGET**

**BACKGROUND:**

The Finance Committee met to discuss the budget at four meetings between February 22, 2021, and April 26, 2021. The Board conducted a workshop on the Draft Fiscal Year 2021/2022 Budget on May 6, 2021. At each Committee meeting and workshop, the budget, or parts thereof, was reviewed and input from the Board and Committee members received. The input received has been incorporated into the proposed budget for the Vallecitos Water District presented today.

**DISCUSSION:**

The Draft Proposed Fiscal Year 2021/2022 Vallecitos Water District Budget, provided under separate cover, has been prepared by staff and is being presented to the Board of Directors for information only.

The budget totals \$93.4 million comprised of \$59.4 million of Fiscal Year 2022 operational expenses and a commitment of \$26.1 million for capital items and projects. In addition, \$8.2 million from operations is being set aside for capital replacement.

The Draft Proposed Budget for Fiscal Year 2021/2022, exclusive of capital items and projects for Fiscal Year 2021/2022 and beyond, consists of operational commitments of \$59.4 million. This is made up of \$32.7 million in water purchases, \$12.9 million in water operating expenses, and \$13.8 million in wastewater operating expenses. Capital items and projects for fiscal year 2021/22 alone are \$25.4 million for projects and \$0.7 million for vehicles, and equipment. Capital items and projects are funded through operating transfers set aside for capital replacement and other reserve sources. Reserves also fund debt service payments. Budgeted debt service payments for Fiscal Year 2021/22 are \$5.4 million.

In the Budget for Fiscal Year 2019/2020, the Board approved a funding policy for Vallecitos Water District's Unfunded Accrued Liability (UAL) with CalPERS. Managing the UAL with CalPERS is one of the District's most significant challenges and with guidance from the Board of Directors, staff developed the funding policy to pay off the liability over a three-year period. In accordance with the funding policy, the District paid \$8.1 million dollars of the pension liability in Fiscal Year 2020 and another \$4.0 million dollars in Fiscal Year 2021. Under the policy, the remaining balance would be paid in Fiscal Year 2022 unless directed otherwise by the Board. Staff will be providing updates from the most recent actuarial report and seeking board direction on options presented.

**RECOMMENDATION:**

For information and discussion only

**ATTACHMENTS:**

1. Vallecitos Water District Proposed Budget for Fiscal Year 2021-2022
2. Vallecitos Water District CalPERS Unfunded Accrued Liability Funding Policy (as previously approved).



# DRAFT PROPOSED BUDGET

## Fiscal Year 2021-2022

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## Our Mission

***Water and wastewater specialists providing exceptional and sustainable services.***

This mission of exceptional and sustainable services is reflected in this budget and in the attitudes and commitment of the Vallecitos Water District staff and Board Members.



Clockwise: Jim Pennock, Mike Sannella (center), Tiffany Boyd-Hodgson, Craig Elitharp and James Hernandez

### Board of Directors

Mike Sannella, President  
Craig Elitharp, Vice President  
Tiffany Boyd-Hodgson, Ph.D.  
James Hernandez  
Jim Pennock

Vallecitos Water District is a public agency organized in 1955, proudly serving the City of San Marcos, portions of Escondido, Carlsbad, Vista, and the surrounding unincorporated areas.



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**VALLECITOS WATER DISTRICT**

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BUDGET FOR THE YEAR ENDING JUNE 30, 2022

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# VALLECITOS WATER DISTRICT

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## BUDGET FOR THE YEAR ENDING JUNE 30, 2022

### BUDGETARY CONSIDERATIONS

#### Mission Statement

*Water and wastewater specialists providing exceptional and sustainable services.*

The budget reflects the mission statement

#### Budgetary Approach

Governmental agencies, such as cities and counties, usually approach their budgets from the “revenue end.” Since their revenues are somewhat predictable and restricted, their budgetary considerations are based on setting a level of service (expense total) that can be attained with those available funds.

A special district, however, must make a more thorough analysis. Normally, the expenses can be determined with a high degree of accuracy, and it’s the revenues that must be set to cover those expenses. To complicate matters, factors such as weather variability and customer usage habits can have a profound effect on the overall revenue projection.

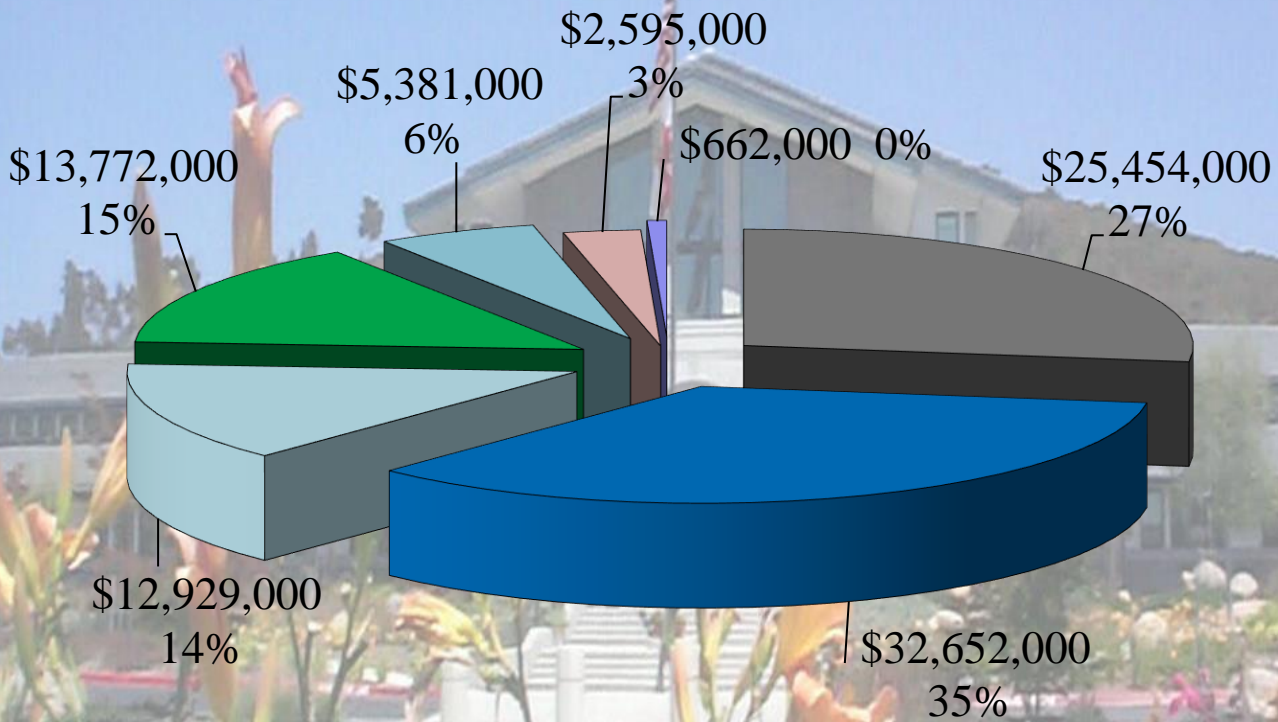
#### Operations vs. Capital Budget

The budget is designed to ensure various revenues and fees are used as intended. The Operations Budget, which covers the ongoing cost of running the District, is paid by the rate payers of the District through charges for water and sewer service. The Capital Facilities Budget is covered primarily by fees on new development and existing customers with increased demands.

Operating revenue in excess of operating expense is earmarked for transfer to the Replacement Reserve Fund for the future replacement of assets. This ensures the current users of our system are paying their fair share for the maintenance of existing facilities as they depreciate.

FISCAL YEAR 2021-2022 BUDGET

\$93,445,000



- Capital
- Water Operations
- Debt Service
- Easements, Vehicles & Equipment
- Water Purchases
- Wastewater Operations
- Fund PERS UAL

2021-22 OPERATING BUDGET  
WATER

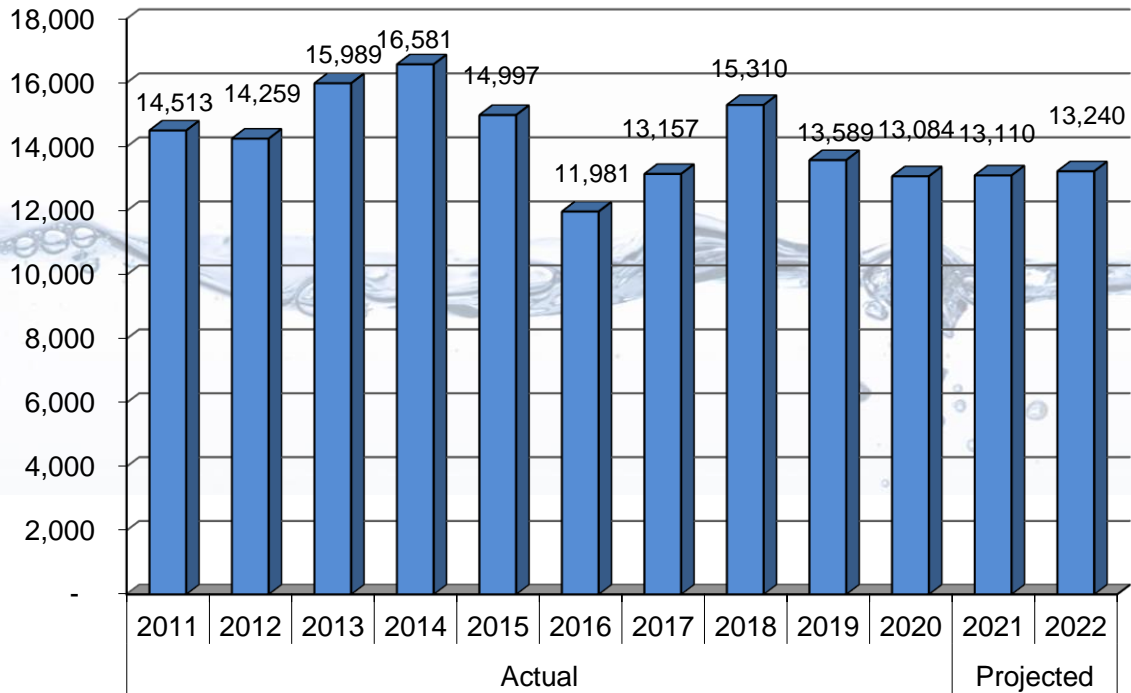






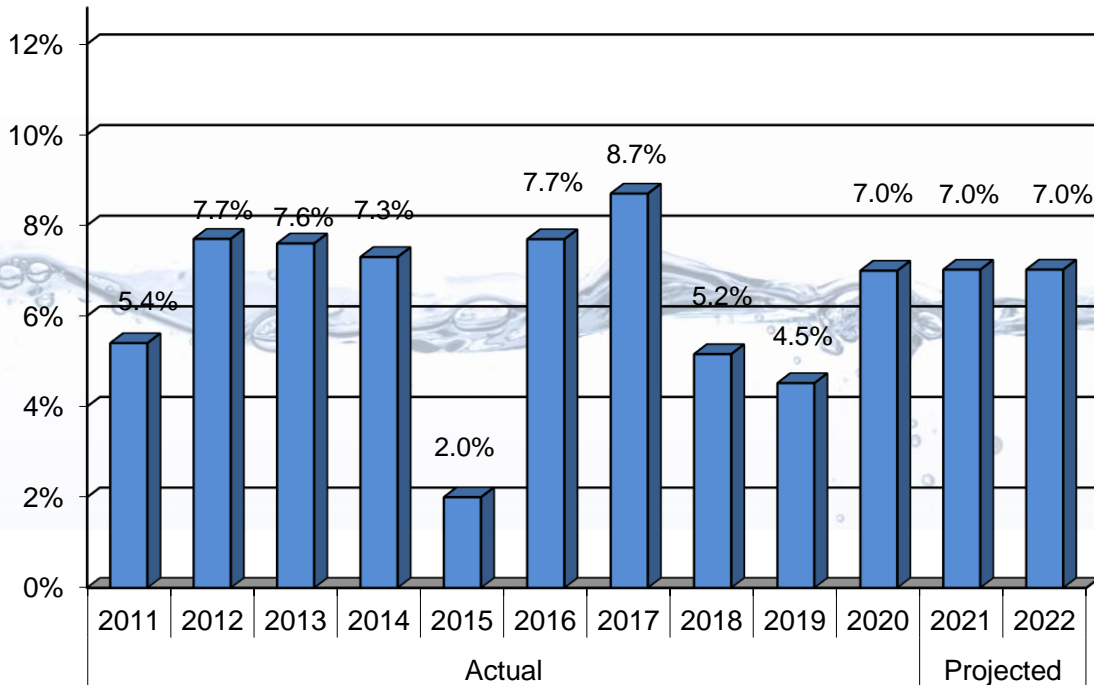
**VALLECITOS WATER DISTRICT**

**WATER SALES IN ACRE FEET**



Year End June 30

**UNBILLED WATER**



Year End June 30

*Unbilled Water includes one-day permit use, tie-ins, operational use, fire hydrant damage and use, meter malfunctions, leaks, and timing differences*

# VALLECITOS WATER DISTRICT

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## BUDGET FOR THE YEAR ENDING JUNE 30, 2022

### FUNCTION DEFINITIONS - WATER OPERATIONS

#### *REVENUES*

Water Sales: Monthly charges to cover the wholesale cost of water, with a minimal markup targeted to cover some operating costs and provide funds for capital improvements and replacement.

Ready To Serve: Monthly charge to cover fixed costs, regardless of water sales. Examples include maintenance of reservoirs and transmission lines, meter reading and administrative costs such as insurance.

Pumping Charges: Charges to customers at high elevations, to cover the power costs required to deliver water.

Interest and Other: Interest revenue, late charges, backflow fees, engineering fees and other miscellaneous revenues.

#### *OPERATING EXPENSES*

Water Purchases: Vallecitos purchases its water from two sources: The San Diego County Water Authority (SDCWA) and the Olivenhain Municipal Water District. Desalinated water is included in the water purchased from SDCWA.

Pumping: To move water to various elevations, and to provide adequate pressure and storage to higher service connections. Includes maintenance of ten pump stations, readings, and power costs.

Water Quality: To monitor incoming water in accordance with federal and state regulations. Includes collecting samples and reporting results, and maintenance of monitoring equipment.

Water Treatment: To treat water in tanks, handle chemicals, and use and maintain injection equipment for pipelines.

Tanks and Reservoirs: Maintenance of 17 steel tanks and 2 reservoirs. Includes corrosion control, security, and water level monitoring.

Transmission and Distribution: Maintenance of pipeline system within 45 square miles, consisting of 379 miles of pipes. Includes 26 pressure reducing stations, 3 (internal) flow control facilities, all air releases/blow-offs, fire hydrant laterals (not including the hydrant), cross-tie valves with other districts, and valve exercising.

Services: Maintenance of all service lines located from main lines to meters.

# VALLECITOS WATER DISTRICT

---

## BUDGET FOR THE YEAR ENDING JUNE 30, 2022

### FUNCTION DEFINITIONS - WATER OPERATIONS (Continued)

Meters: Reading approximately 22,000 meters monthly for billing purposes as well as maintenance of all customer meters.

Backflow Prevention: Ensures compliance with Title 17, requiring backflow devices for specific connections to protect quality of water in our system.

Customer Accounts: Costs related to opening and closing accounts, response to customer concerns, billing costs (statements, mailing), and uncollectible accounts.

Equipment and Vehicles: Maintenance of District equipment. Includes all construction equipment, water, sewer and administrative vehicles, plus miscellaneous tools and equipment.

Buildings and Grounds: Maintenance of administrative and operations buildings, warehouse, and shops. Also includes power costs, alarmed security system, landscape service, janitorial, and pest control.

Engineering: All costs of engineering, capital facilities and inspection services. Includes review and monitoring of development to ensure compliance with standard design practices, impact on existing system and environment, and orderly planning to provide adequate water and sewer service as demand dictates.

Safety and Regulatory Affairs: Program to control unnecessary risks, hazardous conditions, and unsafe practices, and minimize physical losses, personnel injuries, and District liability, and to provide for regulatory compliance in environmental, public health and other mandated areas.

Information Technology: Centralization of the District's technology to maintain hardware, software, servers, networks, and interfaces.

#### General and Administrative

##### Cost of Labor:

- *Salaries* include administrative and conservation personnel salaries and all vacation, sick leave, and holiday time for administrative and water personnel.
- *Group Insurance* is health, vision, and dental costs for all administrative and water personnel.
- *Workers' Compensation Insurance* costs for all administrative and water personnel.
- *Public Employees Retirement System (PERS)* participation costs for all administrative and water personnel.
- *Social Security* costs for all administrative and water personnel.

# VALLECITOS WATER DISTRICT

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## BUDGET FOR THE YEAR ENDING JUNE 30, 2022

### FUNCTION DEFINITIONS - WATER OPERATIONS (Continued)

#### General and Administrative (continued)

- *Other Taxes/Benefits* includes unemployment and other miscellaneous employee taxes and benefits such as annual luncheon, and awards for all personnel.

*District Insurance* premium costs protect District assets, such as buildings and vehicles, and provide liability coverage for potential claims.

*Outside Services* are provided by consultants and temporary help.

*Legal* costs are incurred for general legal counsel (presence at board meetings, contracts, employment issues, etc.)

*Auditing* is conducted by a certified public accounting firm to provide an opinion on the annual financial report.

*Banking Services* are provided to maintain the District's general checking account plus trust and custody services.

*Office Supplies* are purchased for necessary administration of the District including office equipment costing less than the capitalization threshold.

*Postage* not related to public relations or customer billing includes notifications, such as shutdowns and public hearing notification mailings.

*Office Equipment Repair* covers maintenance contracts on computer system, billing equipment, copiers, telephone system, and other repairs as needed.

*Telephone* costs are for service at administration and water operations, long distance, data lines, and cellular phone service for field and key personnel.

*Travel* costs are for administrative and water personnel.

*Meetings and Seminars* for administrative and water personnel provide District representation and professional development.

*Dues and Subscriptions* are for memberships and periodicals to various organizations, such as American Water Works Association (AWWA).

*Public Awareness/Conservation* is the "image and information" arm of the District, utilizing publications, special events, the speakers' bureau, and the VWD School Program to present Vallecitos as the "Water and Wastewater Specialists" and promote effective water conservation programs.

**VALLECITOS WATER DISTRICT**

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BUDGET FOR THE YEAR ENDING JUNE 30, 2022

FUNCTION DEFINITIONS - WATER OPERATIONS (Continued)

General and Administrative (continued)

*Regulatory Fees* are incurred for renewal fees for personnel certifications such as water distribution and treatment, notary, and professional memberships, state regulatory agencies, and other compliance matters.

*Election and Annexations* facilitation costs are assessed by the County.

*Director Fees* are paid for attendance of board meetings, professional conferences, and other District-sanctioned organizations.

*Director Expenses* include all costs incurred by Directors, such as travel reimbursement and conference fees.

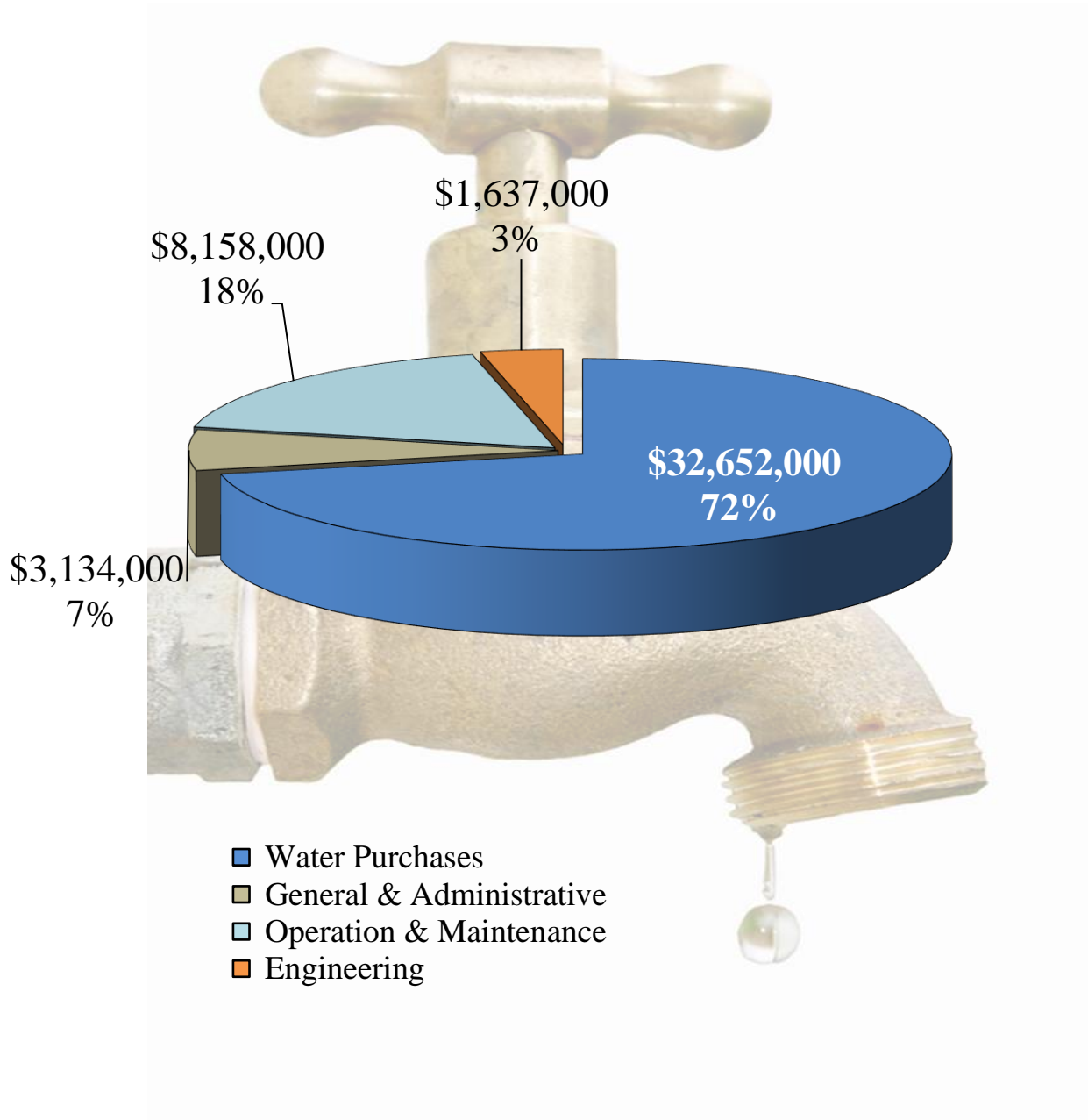
*Other/Mandated Reimbursements* include miscellaneous expenses that do not specifically apply to any of the above-referenced categories less mandated cost reimbursements due from the State.

*Administrative Credit Transfer* is a collection or recovery of overhead costs that are applied to all construction work orders.



2021-22 WATER OPERATING EXPENSE BUDGET

\$45,581,000



**VALLECITOS WATER DISTRICT**

**WATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2022**

		<u>Actual</u> FY 19-20	<u>Budget</u> FY 20-21	<u>Projected</u> FY 20-21	<u>Budget</u> FY 21-22	<u>Estimated</u> FY 22-23
<b>OPERATING REVENUES</b>						
Water Sales	4001	\$ 28,407,203	\$ 26,810,000	\$ 31,260,000	\$ 31,180,000	\$ 32,270,000
Ready to Serve	4003	14,275,830	14,450,000	14,350,000	14,310,000	14,730,000
Pumping Charges	4002	394,029	415,000	431,000	415,000	425,000
Interest	4401	1,848	5,000	5,000	5,000	5,000
Other	Various	709,854	436,000	517,000	596,000	794,000
Total Revenue		<u>43,788,764</u>	<u>42,116,000</u>	<u>46,563,000</u>	<u>46,506,000</u>	<u>48,224,000</u>
<b>OPERATING EXPENSES</b>						
Water Purchases	1010	28,874,401	29,930,000	31,000,000	32,652,000	34,040,000
Pumping	2010	797,345	1,039,000	812,000	923,000	954,000
Water Quality	2020	129,256	210,000	104,000	211,000	225,000
Water Treatment	2030	511,597	467,000	477,000	476,000	498,000
Tanks & Reservoirs	2040	339,469	456,000	368,000	380,000	393,000
Transmission & Dist.	2050	1,675,939	1,877,000	1,862,000	1,910,000	2,103,000
Services	2060	78,010	88,000	104,000	82,000	86,000
Meters	2070	726,233	733,000	918,000	966,000	918,000
Backflow Prevention	2080	93,398	65,000	68,000	74,000	77,000
Customer Accounts	4010	662,308	1,033,000	805,000	888,000	921,000
Equipment & Vehicles	4210	259,936	318,000	250,000	339,000	374,000
Buildings & Grounds	4110	370,924	423,000	387,000	494,000	496,000
Engineering	5010	1,705,060	1,627,000	1,667,000	1,637,000	1,771,000
Safety & Reg. Affairs	5210	243,514	292,000	271,000	285,000	299,000
Information Technology	6230	950,818	1,080,000	994,000	1,130,000	1,159,000
General & Admin.	6xxx	3,415,706	3,088,000	2,990,000	3,134,000	3,201,000
Total Expense		<u>40,833,914</u>	<u>42,726,000</u>	<u>43,077,000</u>	<u>45,581,000</u>	<u>47,515,000</u>
<b>OPERATING INCOME</b>		2,954,850	(610,000)	3,486,000	925,000	709,000
<b>LESS TRANSFERS TO/(FROM)</b>						
REPLACEMENT RESERVE		<u>2,954,850</u>	<u>(610,000)</u>	<u>3,486,000</u>	<u>925,000</u>	<u>709,000</u>
<b>NET INCOME</b>		<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

**VALLECITOS WATER DISTRICT**

**WATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2022**

		<u>Actual</u>	<u>Budget</u>	<u>Projected</u>	<u>Budget</u>	<u>Estimated</u>
		<u>FY 19-20</u>	<u>FY 20-21</u>	<u>FY 20-21</u>	<u>FY 21-22</u>	<u>FY 22-23</u>
WATER PURCHASES	5001	\$ 28,874,401	\$ 29,930,000	\$ 31,000,000	\$ 32,652,000	\$ 34,040,000
<b>PUMPING</b>						
Cost of Labor	2010xxx.51xx	73,670	107,000	87,000	116,000	125,000
Materials & Supplies	" .53xx	14,238	33,000	29,000	37,000	41,000
Outside Repair/Service	" .54xx	6,736	149,000	125,000	56,000	8,000
Power	" .5306	702,701	750,000	571,000	714,000	780,000
Total Pumping		<u>797,345</u>	<u>1,039,000</u>	<u>812,000</u>	<u>923,000</u>	<u>954,000</u>
<b>WATER QUALITY</b>						
Cost of Labor	2020000.51xx	61,207	55,000	41,000	55,000	57,000
Materials & Supplies	" .53xx	32,003	45,000	37,000	41,000	45,000
Outside Repair/Service	" .54xx	36,046	110,000	26,000	115,000	123,000
Total Water Quality		<u>129,256</u>	<u>210,000</u>	<u>104,000</u>	<u>211,000</u>	<u>225,000</u>
<b>WATER TREATMENT</b>						
Cost of Labor	2030000.51xx	425,064	385,000	410,000	394,000	406,000
Materials & Supplies	" .53xx	52,313	50,000	29,000	50,000	57,000
Outside Repair/Service	" .54xx	23,393	20,000	29,000	20,000	22,000
Power	" .5306	10,827	12,000	9,000	12,000	13,000
Total Water Treatment		<u>511,597</u>	<u>467,000</u>	<u>477,000</u>	<u>476,000</u>	<u>498,000</u>
<b>TANKS &amp; RESERVOIRS</b>						
Cost of Labor	2040xxx.51xx	240,128	246,000	184,000	197,000	206,000
Materials & Supplies	" .53xx	14,990	39,000	32,000	24,000	21,000
Outside Repair/Service	" .54xx	78,654	164,000	147,000	152,000	158,000
Power	" .5306	5,697	7,000	5,000	7,000	8,000
Total Tanks & Reservoirs		<u>339,469</u>	<u>456,000</u>	<u>368,000</u>	<u>380,000</u>	<u>393,000</u>
<b>TRANSMISSION &amp; DISTRIBUTION</b>						
Cost of Labor	2050xxx.51xx	1,277,581	1,234,000	1,209,000	1,164,000	1,209,000
Materials & Supplies	" .53xx	201,223	315,000	189,000	263,000	275,000
Outside Repair	" .54xx	185,294	315,000	455,000	470,000	604,000
Power	" .5306	11,841	13,000	9,000	13,000	15,000
Total Trans. & Dist.		<u>1,675,939</u>	<u>1,877,000</u>	<u>1,862,000</u>	<u>1,910,000</u>	<u>2,103,000</u>
<b>SERVICES</b>						
Cost of Labor	2060xxx.51xx	50,356	51,000	53,000	45,000	46,000
Materials & Supplies	" .53xx	12,693	12,000	11,000	12,000	12,000
Outside Repair	" .54xx	14,961	25,000	40,000	25,000	28,000
Total Services		<u>78,010</u>	<u>88,000</u>	<u>104,000</u>	<u>82,000</u>	<u>86,000</u>

**VALLECITOS WATER DISTRICT**

**WATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2022**

		<u>Actual</u>	<u>Budget</u>	<u>Projected</u>	<u>Budget</u>	<u>Estimated</u>
		<u>FY 19-20</u>	<u>FY 20-21</u>	<u>FY 20-21</u>	<u>FY 21-22</u>	<u>FY 22-23</u>
<b>METERS</b>						
Cost of Labor	2070xxx.51xx	\$ 667,393	\$ 656,000	\$ 868,000	\$ 792,000	\$ 838,000
Materials & Supplies	" .53xx	54,631	69,000	46,000	137,000	72,000
Outside Service/Repair	" .54xx	4,209	8,000	4,000	37,000	8,000
Total Meters		<u>726,233</u>	<u>733,000</u>	<u>918,000</u>	<u>966,000</u>	<u>918,000</u>
<b>BACKFLOW PREVENTION</b>						
Cost of Labor	2080000.51xx	35,874	21,000	24,000	23,000	25,000
Materials & Supplies	" .53xx	2,744	1,000	1,000	1,000	2,000
Outside Service	" .54xx	54,780	43,000	43,000	50,000	50,000
Total Backflow		<u>93,398</u>	<u>65,000</u>	<u>68,000</u>	<u>74,000</u>	<u>77,000</u>
<b>CUSTOMER ACCOUNTS</b>						
Cost of Labor	4010000.51xx	505,627	539,000	514,000	561,000	584,000
Materials & Supplies	" .53xx	70,406	97,000	44,000	91,000	93,000
Outside Service/Repair	" .54xx	46,025	40,000	33,000	42,000	50,000
Uncollectible Accts.	" .5703	40,250	357,000	214,000	194,000	194,000
Total Cust. Accts.		<u>662,308</u>	<u>1,033,000</u>	<u>805,000</u>	<u>888,000</u>	<u>921,000</u>
<b>EQUIPMENT &amp; VEHICLES</b>						
Cost of Labor	4210000.51xx	95,985	142,000	100,000	140,000	147,000
Materials & Supplies	" .53xx	46,786	61,000	44,000	59,000	61,000
Fuel	" .5307	101,715	75,000	94,000	100,000	140,000
Outside Repair	" .54xx	15,450	40,000	12,000	40,000	26,000
Total Equip. & Vehicles		<u>259,936</u>	<u>318,000</u>	<u>250,000</u>	<u>339,000</u>	<u>374,000</u>
<b>BUILDINGS &amp; GROUNDS</b>						
Cost of Labor	4110000.51xx	188,892	150,000	201,000	209,000	204,000
Materials & Supplies	" .53xx	27,137	76,000	38,000	78,000	80,000
Outside Services	" .54xx	88,824	122,000	74,000	132,000	135,000
Power	" .5306	66,071	75,000	74,000	75,000	77,000
Total Bldg. & Grnd.		<u>370,924</u>	<u>423,000</u>	<u>387,000</u>	<u>494,000</u>	<u>496,000</u>
<b>ENGINEERING</b>						
Cost of Labor	5010000.51xx	1,613,718	1,469,000	1,589,000	1,446,000	1,573,000
Materials & Supplies	" .53xx	11,593	21,000	16,000	31,000	34,000
Outside Services	" .54xx	79,749	137,000	62,000	160,000	164,000
Total Engineering		<u>1,705,060</u>	<u>1,627,000</u>	<u>1,667,000</u>	<u>1,637,000</u>	<u>1,771,000</u>

**VALLECITOS WATER DISTRICT**

**WATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2022**

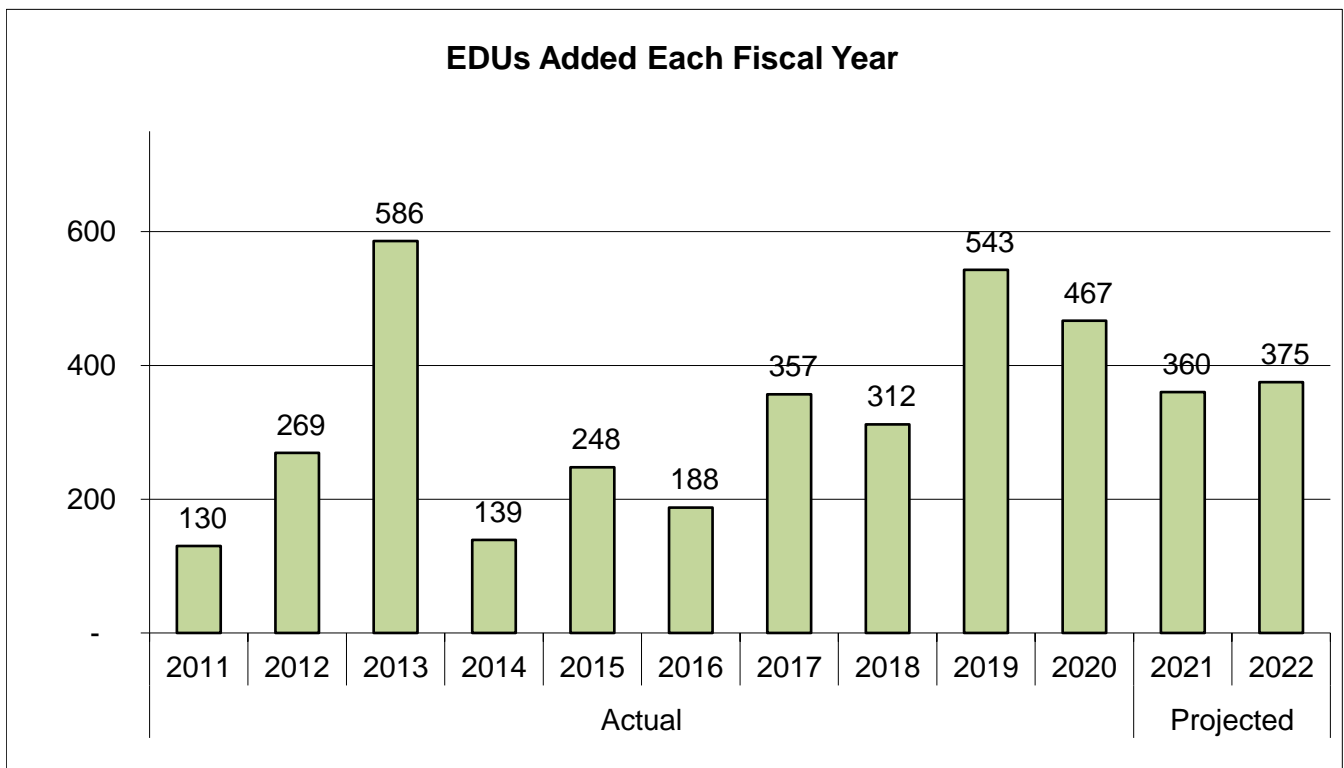
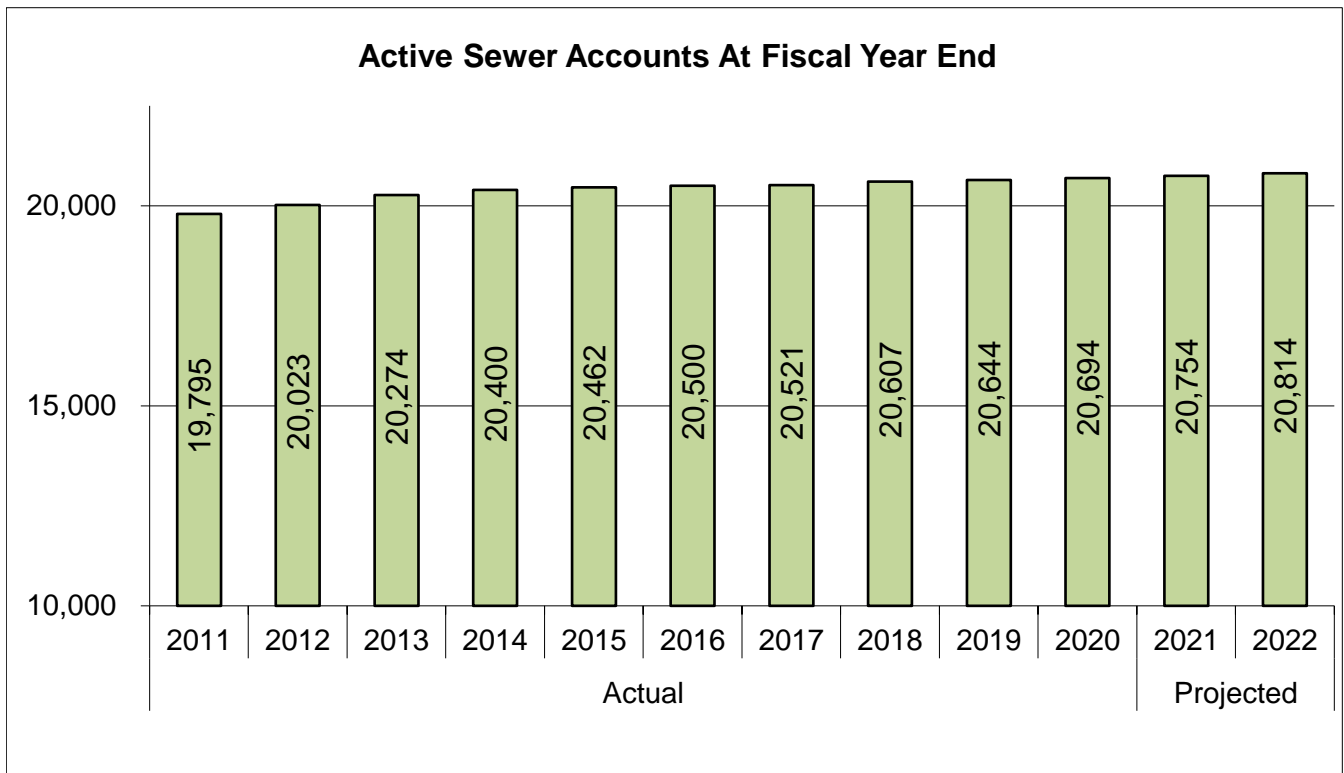
		<u>Actual</u>	<u>Budget</u>	<u>Projected</u>	<u>Budget</u>	<u>Estimated</u>
		<u>FY 19-20</u>	<u>FY 20-21</u>	<u>FY 20-21</u>	<u>FY 21-22</u>	<u>FY 22-23</u>
<b>SAFETY &amp; REG. AFFAIRS</b>						
Cost of Labor	5210000.51xx	\$ 208,531	\$ 234,000	\$ 219,000	\$ 237,000	\$ 249,000
Materials & Supplies	" .53xx	18,445	28,000	24,000	18,000	19,000
Safety Support	" .54xx	16,538	30,000	28,000	30,000	31,000
Total Safety		<u>243,514</u>	<u>292,000</u>	<u>271,000</u>	<u>285,000</u>	<u>299,000</u>
<b>INFORMATION TECHNOLOGY</b>						
Cost of Labor	6230000.51xx	541,901	609,000	584,000	611,000	627,000
Materials & Supplies	" .53xx	95,427	65,000	71,000	84,000	86,000
Outside Services	" .54xx	<u>313,490</u>	<u>406,000</u>	<u>339,000</u>	<u>435,000</u>	<u>446,000</u>
Total Information Tech		<u>950,818</u>	<u>1,080,000</u>	<u>994,000</u>	<u>1,130,000</u>	<u>1,159,000</u>
<b>GENERAL &amp; ADMINISTRATION</b>						
Cost of Labor	6xxxxxx.51xx	3,406,123	3,051,000	3,026,000	3,024,000	3,207,000
Directors Fees	" .5101	41,129	75,000	76,000	75,000	77,000
District Insurance	" .5201	151,391	140,000	115,000	168,000	187,000
Travel	" .5202	8,923	6,000	-	6,000	14,000
Meetings & Seminars	" .5203	24,306	25,000	5,000	36,000	37,000
Dues & Subscriptions	" .5204	80,669	80,000	71,000	80,000	82,000
Directors Expenses	" .5205	34,476	50,000	7,000	50,000	51,000
Office Supplies	" .5301	18,921	41,000	17,000	41,000	42,000
Awareness/Conservation	" .5303	100,770	83,000	77,000	113,000	95,000
Postage	" .5304	1,389	3,000	2,000	3,000	3,000
Outside Services	" .5401	111,745	110,000	128,000	83,000	71,000
Legal	" .5402	130,871	138,000	207,000	180,000	164,000
Auditing	" .5403	11,837	13,000	13,000	13,000	15,000
Bank/Investment Svcs	" .5501	25,565	25,000	21,000	25,000	26,000
Regulatory Fees	" .5502	56,711	50,000	37,000	51,000	52,000
Election & Annexation	" .5503	-	2,000	2,000	2,000	2,000
Other/Reimbursements		65,584	10,000	4,000	10,000	10,000
Admin Credit Transfer.	4702	<u>(854,704)</u>	<u>(814,000)</u>	<u>(818,000)</u>	<u>(826,000)</u>	<u>(934,000)</u>
Total Gen. & Admin.		<u>3,415,706</u>	<u>3,088,000</u>	<u>2,990,000</u>	<u>3,134,000</u>	<u>3,201,000</u>
<b>TOTAL EXPENSES</b>		<u>\$ 40,833,914</u>	<u>\$ 42,726,000</u>	<u>\$ 43,077,000</u>	<u>\$ 45,581,000</u>	<u>\$ 47,515,000</u>

2021-22 OPERATING BUDGET  
WASTEWATER

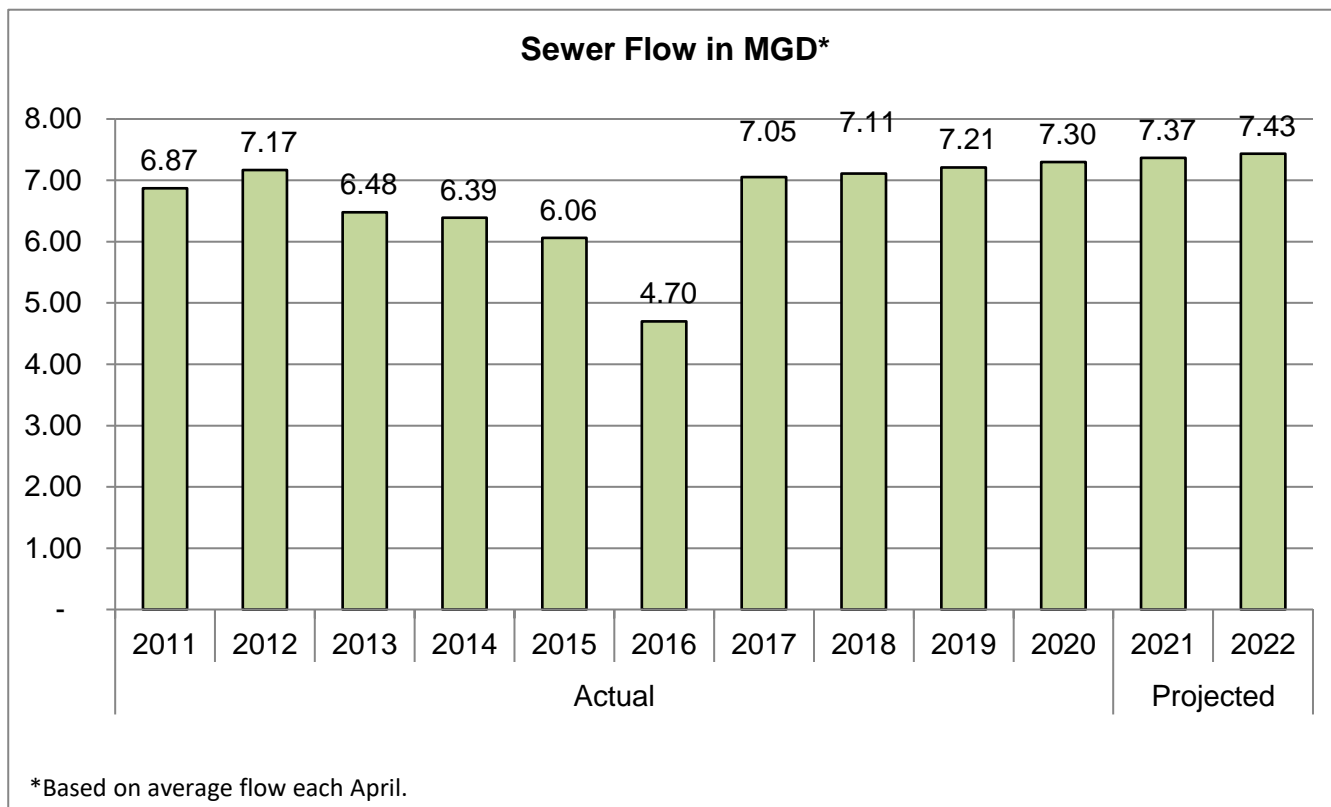
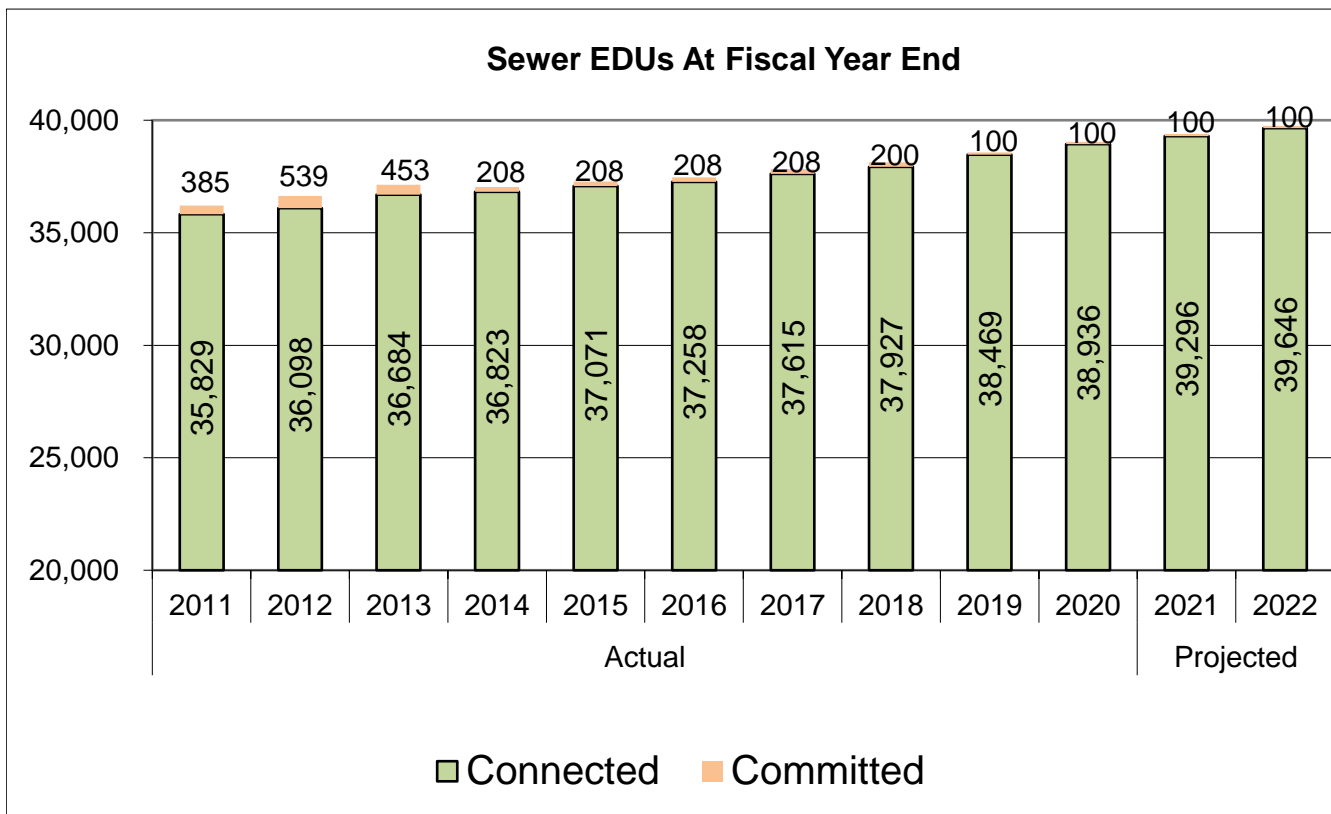


*Chlorine Contact Tank at Meadowlark Wastewater Reclamation Facility*





**VALLECITOS WATER DISTRICT**



# VALLECITOS WATER DISTRICT

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## BUDGET FOR THE YEAR ENDING JUNE 30, 2022

### FUNCTION DEFINITIONS - WASTEWATER OPERATIONS

#### *REVENUES*

Sewer Service: Monthly charges to cover the cost to collect, treat and dispose of wastewater plus maintain the various wastewater facilities.

Reclaimed Water Sales: Revenue generated from contractual sale of reclaimed water to the Carlsbad Municipal Water District and the Olivenhain Municipal Water District on a cost recovery basis.

Other: Interest revenue, late charges, engineering fees and other miscellaneous revenues.

#### *OPERATING EXPENSES*

Collection and Conveyance: Maintaining flow in 276 miles of District sewer lines. Includes blockage removal, television inspection, and maintenance of pipeline system and manholes.

Lift Stations: Cost of lifting sewage flows at the Montiel Lift Station, Lake San Marcos Lift Station and Questhaven Lift Station. Includes maintenance and power costs of the pumping systems.

Source Control: Costs to ensure compliance with federal, state, and local regulations as administered through the Encina Wastewater Authority.

Encina Disposal: Cost reimbursement to the Encina Wastewater Authority for processing wastewater and returning clean water to the environment.

Meadowlark Plant: All costs attributed to treating wastewater and for production and sale of reclaimed water to City of Carlsbad, and OMWD including operation and maintenance of the plant, No. 1 Lift Station, and Mahr Reservoir.

Customer Accounts: Responds to customers, associated billing costs, and uncollectible accounts.

Equipment and Vehicles: Maintenance of sewer vehicles and equipment and transfer of a portion of administrative and water operations vehicle costs attributable to sewer.

Buildings and Grounds: A transfer of costs attributable to sewer.

Engineering: All attributable sewer engineering, capital facilities and inspection costs.

# VALLECITOS WATER DISTRICT

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## BUDGET FOR THE YEAR ENDING JUNE 30, 2022

### FUNCTION DEFINITIONS - WASTEWATER OPERATIONS (Continued)

Safety and Compliance: A transfer of safety and regulatory affairs costs attributable to sewer operations.

Information Technology: Centralization of the District's technology to maintain hardware, software, servers, networks, and interfaces.

#### General and Administrative

##### Cost of Labor:

- *Salaries* include all vacation, sick leave, and holiday time for sewer personnel.
- *Group Insurance* is health, vision, and dental costs for all sewer personnel.
- *Workers' Compensation Insurance* covers all sewer personnel.
- *Public Employees Retirement System (PERS)* participation costs for all sewer personnel.
- *Social Security* cost for all sewer personnel.
- *Other Taxes* include unemployment and other miscellaneous employee taxes for sewer personnel.

*Travel* costs for sewer personnel.

*Meetings and Seminars* fees for sewer personnel are to provide District representation and professional development.

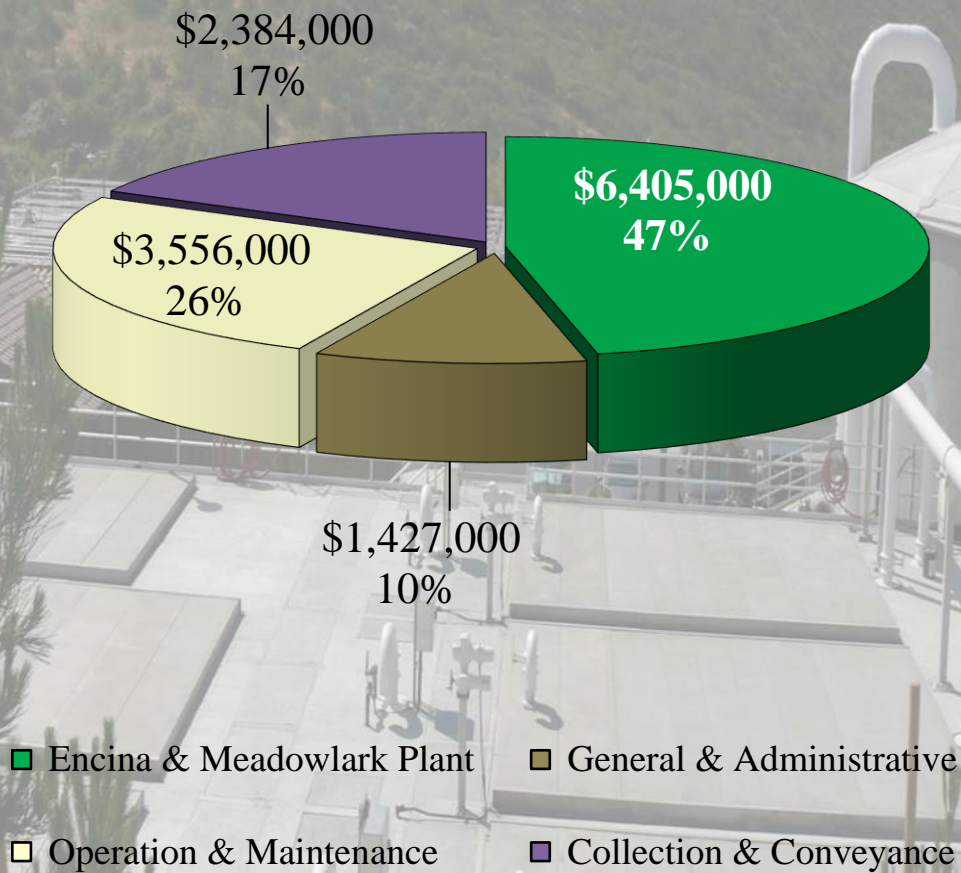
*Dues and Subscriptions* are periodical costs for sewer-related activities.

*Other* includes miscellaneous expenses that do not specifically apply to any of the above-referenced categories.

*Administrative Credit Transfer* is the collection or recovery of overhead costs that apply to all construction work orders.

## 2021-22 WASTEWATER OPERATING EXPENSE BUDGET

\$13,772,000



**VALLECITOS WATER DISTRICT**

**WASTEWATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2022**

		<u>Actual</u> <u>FY 19-20</u>	<u>Budget</u> <u>FY 20-21</u>	<u>Projected</u> <u>FY 20-21</u>	<u>Budget</u> <u>FY 21-22</u>	<u>Estimated</u> <u>FY 22-23</u>
<b>OPERATING REVENUES</b>						
Sewer Service	4101	\$ 18,012,258	\$ 17,330,000	\$ 17,695,000	\$ 17,763,000	\$ 18,210,000
Reclaimed Water Sales	4102	2,663,436	2,794,000	2,726,000	2,975,000	2,995,000
Other	Various	421,084	110,000	285,000	317,000	325,000
Total Revenue		<u>21,096,778</u>	<u>20,234,000</u>	<u>20,706,000</u>	<u>21,055,000</u>	<u>21,530,000</u>
<b>OPERATING EXPENSES</b>						
Collection & Conveyance	3010000	2,189,635	2,352,000	2,437,000	2,384,000	2,491,000
Lift Stations	3020000	283,593	293,000	281,000	236,000	246,000
Source Control	3060000	173,515	204,000	192,000	203,000	209,000
Encina Disposal	3070000	2,994,404	3,045,000	3,077,000	3,339,000	3,439,000
Meadowlark Plant	3410000	2,800,121	3,102,000	2,749,000	3,066,000	3,061,000
Customer Accounts	4010000	479,027	600,000	465,000	565,000	582,063
Equipment & Vehicles	4210000	207,627	227,000	230,000	262,000	267,000
Buildings & Grounds	4110000	199,958	303,000	251,000	329,000	346,000
Engineering	5010000	727,741	747,000	822,000	899,000	819,000
Safety & Compliance	5210000	144,621	197,000	165,000	189,000	198,000
Information Technology	6230000	743,855	828,000	788,000	873,000	895,000
General & Admin.	6xxx000	1,747,995	1,412,000	1,566,000	1,427,000	1,471,000
Total Expense		<u>12,692,092</u>	<u>13,310,000</u>	<u>13,023,000</u>	<u>13,772,000</u>	<u>14,024,063</u>
OPERATING INCOME		<u>8,404,686</u>	<u>6,924,000</u>	<u>7,683,000</u>	<u>7,283,000</u>	<u>7,505,937</u>
LESS: TRANSFERS TO REPLACEMENT RESERVE		<u>8,404,686</u>	<u>6,924,000</u>	<u>7,683,000</u>	<u>7,283,000</u>	<u>7,505,937</u>
NET INCOME		<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>



**VALLECITOS WATER DISTRICT**

**WASTEWATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2022**

		<u>Actual</u> <u>FY 19-20</u>	<u>Budget</u> <u>FY 20-21</u>	<u>Projected</u> <u>FY 20-21</u>	<u>Budget</u> <u>FY 21-22</u>	<u>Estimated</u> <u>FY 22-23</u>
<b>COLLECTION/CONVEYANCE</b>						
Cost of Labor	3010xxx.51xx	\$ 1,722,551	\$ 1,655,000	\$ 1,744,000	\$ 1,668,000	\$ 1,757,000
Materials & Supplies	" .53xx	176,700	165,000	112,000	157,000	161,000
Chemicals	" .5350	276,860	350,000	345,000	315,000	323,000
Outside Services/Power	" .5xxx	13,524	182,000	236,000	244,000	250,000
Total Collection/Conveyance		<u>2,189,635</u>	<u>2,352,000</u>	<u>2,437,000</u>	<u>2,384,000</u>	<u>2,491,000</u>
<b>LIFT STATIONS</b>						
Cost of Labor	3020xxx.51xx	181,757	130,000	135,000	133,000	140,000
Materials & Supplies	" .53xx	34,307	55,000	65,000	35,000	36,000
Outside Services	" .54xx	15,799	58,000	38,000	20,000	21,000
Power	" .5306	51,730	50,000	43,000	48,000	49,000
Total Lift Stations		<u>283,593</u>	<u>293,000</u>	<u>281,000</u>	<u>236,000</u>	<u>246,000</u>
<b>SOURCE CONTROL</b>						
Cost of Labor	3060000.51xx	159,168	173,000	167,000	170,000	175,000
Materials & Supplies	" .53xx	14,347	24,000	21,000	25,000	26,000
Outside Services	" .54xx	-	7,000	4,000	8,000	8,000
Total Industrial Waste		<u>173,515</u>	<u>204,000</u>	<u>192,000</u>	<u>203,000</u>	<u>209,000</u>
ENCINA DISPOSAL	3070000.551	<u>2,994,404</u>	<u>3,045,000</u>	<u>3,077,000</u>	<u>3,339,000</u>	<u>3,439,000</u>
<b>MEADOWLARK LIFT STATION</b>						
Cost of Labor	3710000.51xx	72,233	87,000	63,000	72,000	76,000
Materials & Supplies	" .53xx	4,344	45,000	39,000	37,000	38,000
Chemicals	" .5350	71,421	140,000	118,000	125,000	128,000
Outside Services	" .54xx	28,091	77,000	44,000	40,000	41,000
Power	" .5306	79,573	100,000	82,000	90,000	93,000
Total Lift Sta.		<u>255,662</u>	<u>449,000</u>	<u>346,000</u>	<u>364,000</u>	<u>376,000</u>

**VALLECITOS WATER DISTRICT**

**WASTEWATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2022**

		Actual FY 19-20	Budget FY 20-21	Projected FY 20-21	Budget FY 21-22	Estimated FY 22-23
<b>MEADOWLARK PLANT</b>						
Cost of Labor	3410000.51xx	\$ 1,091,793	\$ 1,107,000	\$ 1,081,000	\$ 1,107,000	\$ 1,152,000
Materials & Supplies	" .53xx	291,764	316,000	325,000	365,000	313,000
Chemicals	" .5350	159,534	250,000	176,000	205,000	210,000
Outside Services	" .54xx	431,062	291,000	304,000	335,000	302,000
Power	" .5306	364,684	415,000	305,000	400,000	412,000
Telephone	" .5305	167	2,000	1,000	1,000	1,000
Total Meadowlark		<u>2,339,004</u>	<u>2,381,000</u>	<u>2,192,000</u>	<u>2,413,000</u>	<u>2,390,000</u>
<b>MAHR RESERVOIR</b>						
Cost of Labor	3810000.51xx	72,978	97,000	86,000	100,000	103,000
Materials & Supplies	" .53xx	30,831	15,000	9,000	18,000	18,000
Chemicals	" .5350	20,887	35,000	35,000	40,000	39,000
Outside Services	" .54xx	26,388	65,000	41,000	76,000	78,000
Power	" .5306	54,371	60,000	40,000	55,000	57,000
Total Mahr Reservoir		<u>205,455</u>	<u>272,000</u>	<u>211,000</u>	<u>289,000</u>	<u>295,000</u>
<b>CUSTOMER ACCOUNTS</b>						
Cost of Labor	4010000.51xx	342,389	336,000	356,000	349,000	363,000
Materials & Supplies	" .53xx	64,073	93,000	27,000	87,000	89,000
Outside Services	" .54xx	42,502	32,000	31,000	35,000	36,000
Uncollectible Accts.	" .5703	30,063	139,000	51,000	94,000	94,063
Total Cust. Accts.		<u>479,027</u>	<u>600,000</u>	<u>465,000</u>	<u>565,000</u>	<u>582,063</u>
<b>EQUIPMENT &amp; VEHICLES</b>						
Cost of Labor	4210000.51xx	111,566	123,000	129,000	151,000	158,000
Materials & Supplies	" .53xx	28,117	49,000	43,000	47,000	48,000
Fuel	" .5307	39,651	30,000	39,000	39,000	50,000
Outside Services	" .54xx	28,293	25,000	19,000	25,000	11,000
Total Equip. & Veh.		<u>207,627</u>	<u>227,000</u>	<u>230,000</u>	<u>262,000</u>	<u>267,000</u>
<b>BUILDINGS &amp; GROUNDS</b>						
Cost of Labor	4110000.51xx	49,039	65,000	72,000	78,000	88,000
Materials & Supplies	" .53xx	12,925	69,000	27,000	68,000	70,000
Outside Services	" .54xx	75,817	104,000	82,000	111,000	114,000
Power	" .5306	62,177	65,000	70,000	72,000	74,000
Total Buildings & Grounds		<u>199,958</u>	<u>303,000</u>	<u>251,000</u>	<u>329,000</u>	<u>346,000</u>
<b>ENGINEERING</b>						
Cost of Labor	5010000.51xx	698,798	629,000	744,000	686,000	719,000
Materials & Supplies	" .53xx	1,615	21,000	3,000	22,000	23,000
Outside Services	" .54xx	27,328	97,000	75,000	191,000	77,000
Total Engineering		<u>727,741</u>	<u>747,000</u>	<u>822,000</u>	<u>899,000</u>	<u>819,000</u>

**VALLECITOS WATER DISTRICT**

**WASTEWATER OPERATIONS BUDGET FOR THE YEAR ENDING JUNE 30, 2022**

		<u>Actual</u>	<u>Budget</u>	<u>Projected</u>	<u>Budget</u>	<u>Estimated</u>
		<u>FY 19-20</u>	<u>FY 20-21</u>	<u>FY 20-21</u>	<u>FY 21-22</u>	<u>FY 22-23</u>
<b>SAFETY &amp; REGULATORY AFFAIRS</b>						
Cost of Labor	5210000.51xx	\$ 110,924	\$ 139,000	\$ 111,000	\$ 141,000	\$ 149,000
Materials & Supplies	" .53xx	17,817	29,000	28,000	18,000	18,000
Safety Support	" .54xx	15,880	29,000	26,000	30,000	31,000
Total Safety/Reg Affairs		<u>144,621</u>	<u>197,000</u>	<u>165,000</u>	<u>189,000</u>	<u>198,000</u>
<b>INFORMATION TECH</b>						
Cost of Labor	6230000.51xx	338,294	361,000	379,000	364,000	373,000
Materials & Supplies	" .53xx	91,591	58,000	85,000	77,000	79,000
Outside Services	" .54xx	313,970	409,000	324,000	432,000	443,000
Total Information Tech		<u>743,855</u>	<u>828,000</u>	<u>788,000</u>	<u>873,000</u>	<u>895,000</u>
<b>GENERAL &amp; ADMINISTRATION</b>						
Cost of Labor	6xxxxxx.51xx	1,611,282	1,430,000	1,508,000	1,430,000	1,510,000
Directors Fees	" .5101	30,133	58,000	54,000	58,000	59,000
District Insurance	" .5201	106,289	150,000	110,000	113,000	125,000
Travel	" .5202	-	4,000	-	4,000	4,000
Meetings & Seminars	" .5203	697	13,000	4,000	15,000	15,000
Dues & Subscriptions	" .5204	39,348	48,000	32,000	48,000	49,000
Office Supplies	" .5301	9,559	13,000	5,000	13,000	13,000
Postage	" .5304	1,335	6,000	2,000	4,000	4,000
Outside Services	" .5401	93,071	74,000	69,000	87,000	66,000
Legal	" .5402	123,946	132,000	199,000	184,000	163,000
Auditing	" .5403	11,373	13,000	13,000	13,000	15,000
Bank/Investment Svcs	" .5501	24,351	25,000	20,000	25,000	26,000
Regulatory Fees	" .5502	-	49,000	36,000	51,000	52,000
Other	" .5702	75,417	5,000	2,000	5,000	5,000
Admin Credit Trans	4702	(378,806)	(608,000)	(488,000)	(623,000)	(635,000)
Total Gen. & Admin.		<u>1,747,995</u>	<u>1,412,000</u>	<u>1,566,000</u>	<u>1,427,000</u>	<u>1,471,000</u>
<b>TOTAL EXPENSES</b>		<u><b>\$ 12,692,092</b></u>	<u><b>\$ 13,310,000</b></u>	<u><b>\$ 13,023,000</b></u>	<u><b>\$ 13,772,000</b></u>	<u><b>\$ 14,024,063</b></u>

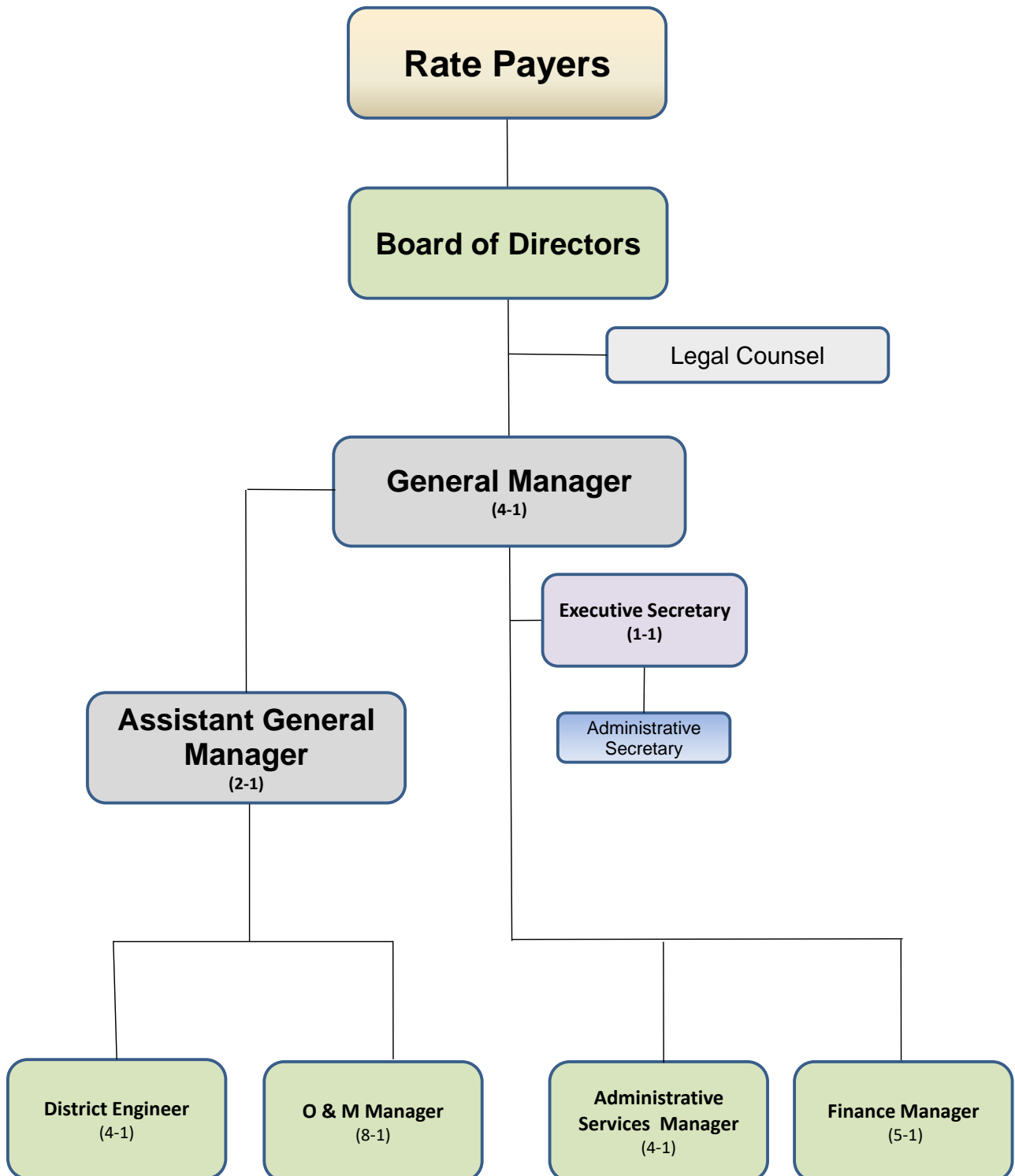
**VALLECITOS WATER DISTRICT**

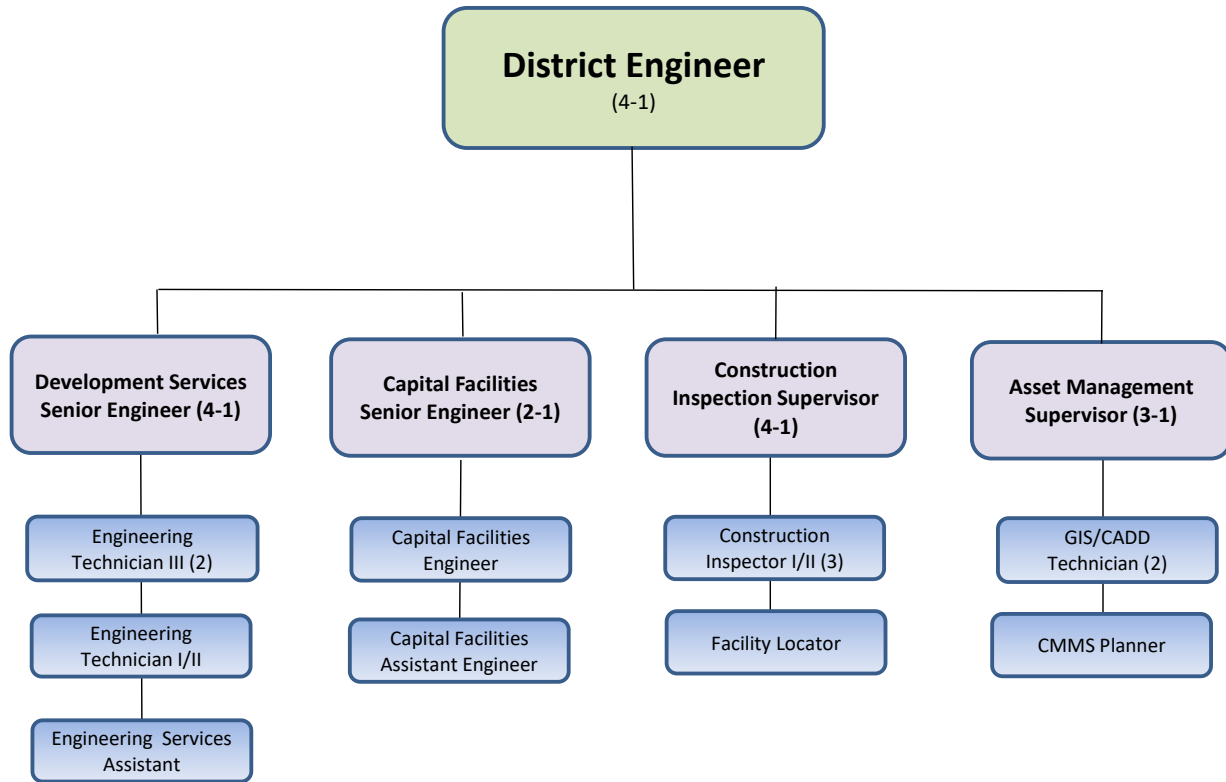
**BUDGET FOR THE YEAR ENDING JUNE 30, 2022**

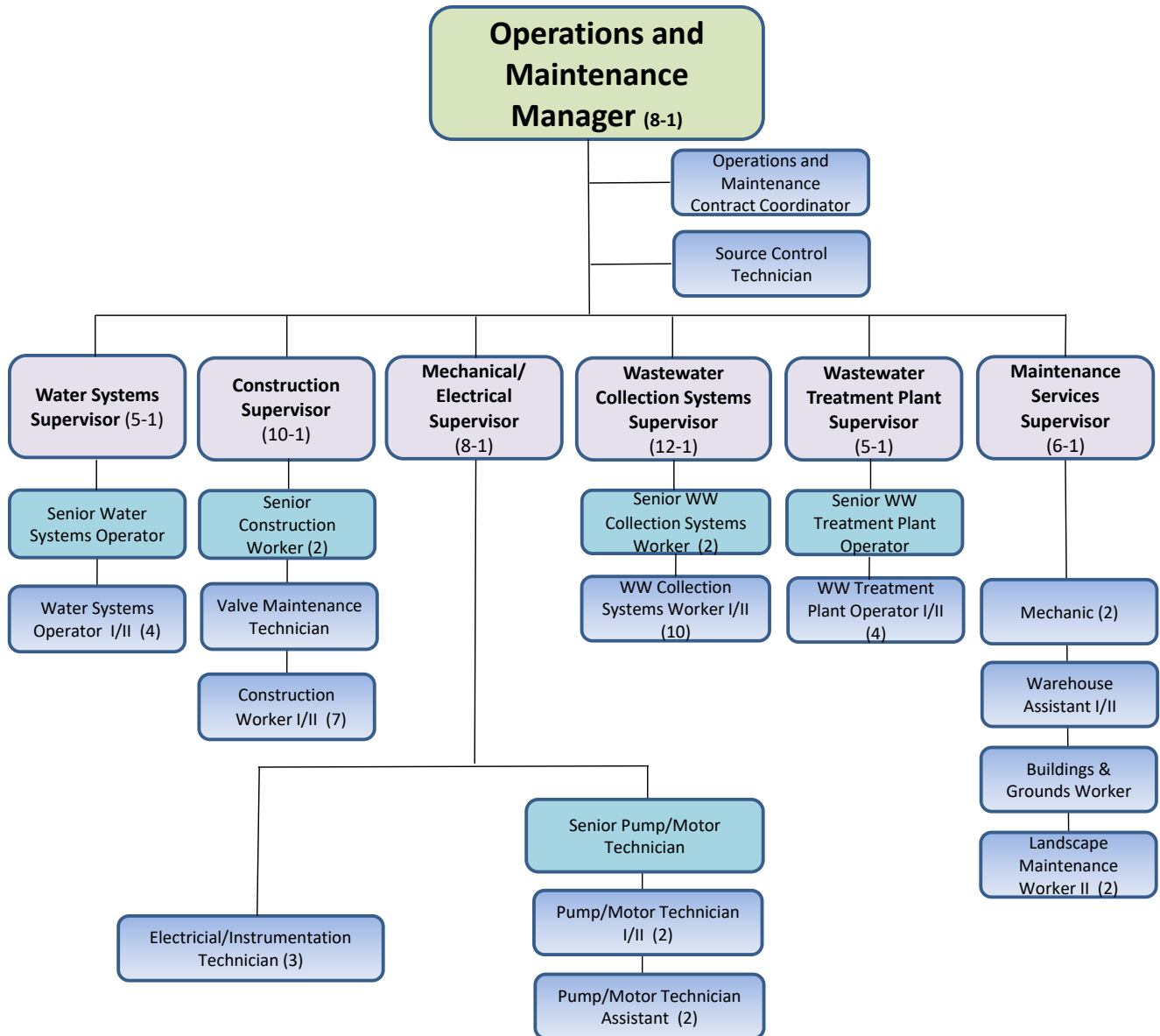
**SALARY AND BENEFIT RECAP**

	Actual FY 19-20	Budget FY 20-21	Projected FY 20-21	Budget FY 21-22	Estimated FY 22-23
<b>SALARIES</b>					
Water Operations	\$ 5,825,569	\$ 5,583,000	\$ 5,487,000	\$ 5,606,000	\$ 5,935,000
Wastewater Operations	3,969,024	3,951,000	3,903,000	4,010,000	4,224,000
Subtotal	9,794,593	9,534,000	9,390,000	9,616,000	10,159,000
Labor Posted to Work Orders*	597,760	657,000	701,000	682,000	712,000
<b>TOTAL SALARIES</b>	<b>10,392,353</b>	<b>10,191,000</b>	<b>10,091,000</b>	<b>10,298,000</b>	<b>10,871,000</b>
<b>BENEFITS</b>					
Public Employee Retirement	2,446,153	2,123,000	2,266,000	2,074,000	2,152,000
Group Insurance	2,614,148	2,377,000	2,489,000	2,540,000	2,658,000
Social Security	767,619	780,000	755,000	788,000	832,000
Workers' Comp Insurance	184,353	222,000	191,000	205,000	223,000
457 Contribution Match	234,374	218,000	186,000	218,000	218,000
Other Taxes and Benefits	17,448	27,000	18,000	22,000	24,000
<b>TOTAL BENEFITS</b>	<b>6,264,095</b>	<b>5,747,000</b>	<b>5,905,000</b>	<b>5,847,000</b>	<b>6,107,000</b>
<b>TOTAL SALARIES &amp; BENEFITS</b>	<b>\$ 16,656,448</b>	<b>\$ 15,938,000</b>	<b>\$ 15,996,000</b>	<b>\$ 16,145,000</b>	<b>\$ 16,978,000</b>
 Benefits as a Percentage of Salaries	 <u>60.3%</u>	 <u>56.4%</u>	 <u>58.5%</u>	 <u>56.8%</u>	 <u>56.2%</u>
 Operations	 52.00	 54.00	 54.00	 55.00	 55.00
Engineering	17.00	17.00	17.00	18.00	18.00
Finance	23.00	21.00	21.00	20.00	20.00
Administration	15.75	15.75	15.75	15.75	15.75
<b>Total Funded FTEs</b>	<b><u>107.75</u></b>	<b><u>107.75</u></b>	<b><u>107.75</u></b>	<b><u>108.75</u></b>	<b><u>108.75</u></b>

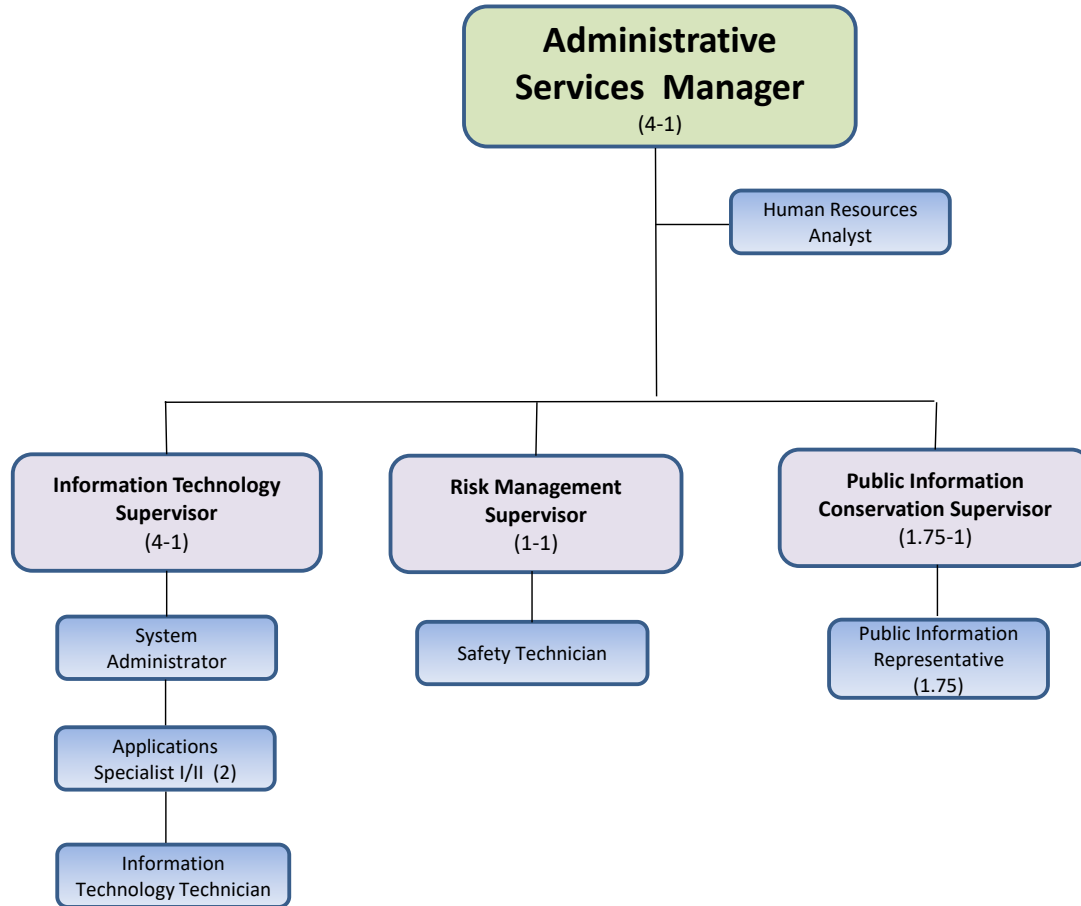
\* There is also a labor overhead charge to work orders to cover benefit costs which are a part of the credit in the General and Administration sections of Water and Wastewater operations.

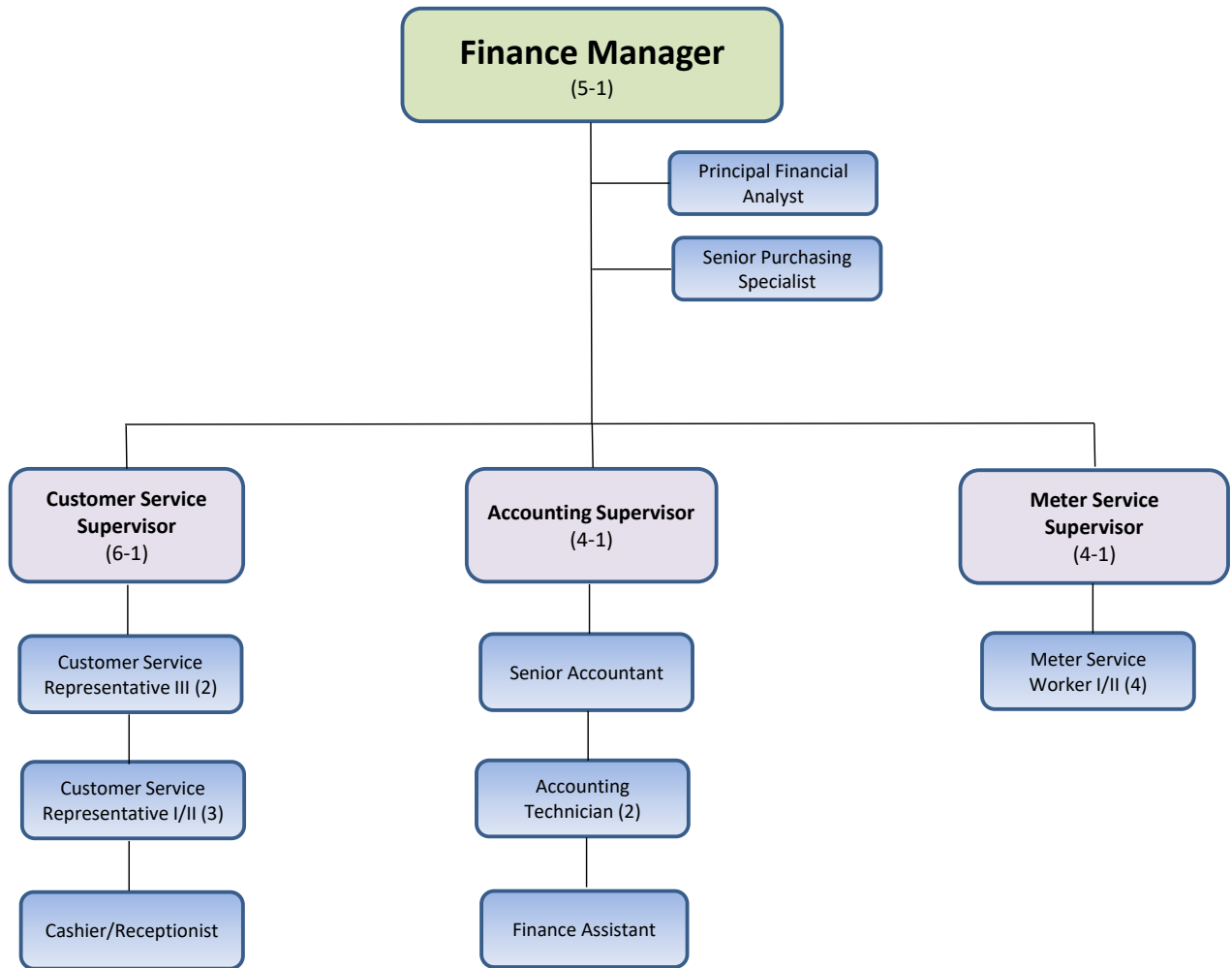












**VALLECITOS WATER DISTRICT**

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2021-22 PERSONNEL BUDGET

POSITIONS/PERSONNEL:

Management will scrutinize the need for all positions and only fill positions if absolutely necessary. The fiscal year 2021-22 budget includes 9 months of funding for the Assistant General Manager position. There are no new positions, one reclassification, and one retitle as outlined below.

RECLASSIFICATIONS:

Control Systems Specialist to Electrical/Instrumentation Technician - Estimated Annual Savings: \$16,000

The recently vacated Control Systems Specialist has resulted in reevaluating the ability to fill this specialized position while competing with private sector salaries. The District will continue to use consultants as-needed for this type of work with assistance from the IT Supervisor. The mechanical/electrical department has a need for the position to revert back to being an electrician. One CSS position will be reclassified to Electrical/Instrumentation Technician.

Mechanical Maintenance Worker I/II to Pump and Motor Technician Assistant – Estimated Annual Savings: \$27,000

Mechanical Maintenance Worker (MMW) classifications have evolved over time to where the majority of the duties overlap with the Pump and Motor Technician (PMT) classifications. The mechanical/electrical department requests consolidating these series to ensure employees are appropriately classified, while also streamlining the recruitment and hiring process to allow for employees to upgrade within the job series when they have the required knowledge, skill and abilities. Two vacant MMW I/II positions will be retitled to PMT Assistant.

RETITLES:

Operations & Maintenance Assistant to Operations & Maintenance Contract Coordinator - Estimated Annual Cost: \$0

This is a retitle only and will have no fiscal impact as there is no salary change.

OTHER:

Assistant General Manager - Estimated Additional Annual Cost: \$277,000

The vacant Assistant General Manager (AGM) is a vacant authorized position/Full-Time Equivalent that will be funded in anticipation of filling the position. While the AGM position remained vacant, workload has increased requiring the need for additional Executive Management support. The AGM would fill in for the General Manager as needed, assist in responding to customer and Board requests, increase engagement on regional issues, develop strategic planning initiatives and regional partnerships, and resolve long-standing organizational issues. The AGM is a critical position for the District's Succession Plan. The position is budgeted for 9 months in Fiscal Year 21/22 at a cost of \$208,000 followed by an annual cost of \$277,000 including benefits.

# VALLECITOS WATER DISTRICT

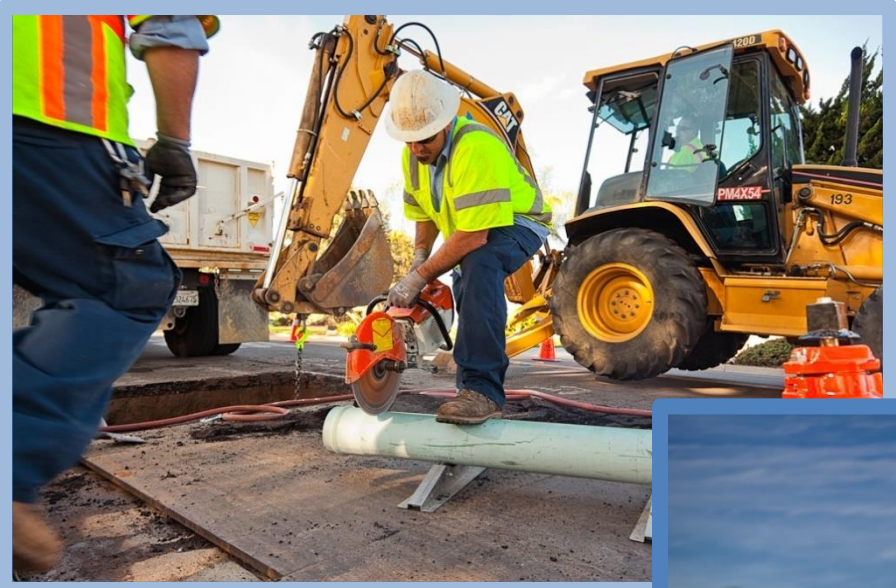
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## 2021-22 PUBLIC AWARENESS AND CONSERVATION PROGRAM BUDGET

<b><u>REBATE PROGRAMS *</u></b>	Prj 2022100047	W/O 117447
To encourage the purchase of qualified low flow devices, appliances, artificial turf or rebates to customers who remove their existing turf grass and install a low-water landscape (i.e., Cash for Grass program.)		
		\$ 1,000
<b><u>OUTREACH &amp; ADVERTISING</u></b>	Prj 2022100048	W/O 117448
For purchase of items and services used to assist customers in becoming better informed about water related issues. Includes but not limited to: purchase of videos, books, displays and promotional items; advertising; cost to participate in community events; employee education; and to provide tours of District facilities. Includes cost to produce and mail newsletters, consumer confidence report, brochures, bill inserts, special hearing notifications, and others as needed.		
		52,900
<b><u>VIDEO PRODUCTION</u></b>	Prj 2022100049	W/O 123555
Cost to hire outside production company to produce videos highlighting the District or for internal staff to purchase supplies and services to create videos. Videos to be shown during tours of the District, speaking engagements, on the VWD website and/or on social media.		
		9,900
<b><u>EDUCATION</u></b>	Prj 2022100050	W/O 117451
For continued development and purchase of materials designed to promote and implement K-12 education programs. This includes the Splash Science Mobile Lab visits to area elementary schools and payment for bus transportation to Jack's Pond Park and Heritage Park to listen to educational water history information by District staff. Also includes bus transportation for school tours of the District. Includes materials and costs to participate in annual Water Awareness Campaign (4th grade calendar/poster contest), such as the purchase of calendars, entry forms, prizes for entrants and poster contest winners. Also includes participation in Palomar College GEAR UP program.		
		35,500
<b><u>COOPERATIVE PROGRAMS*</u></b>	Prj 2022100051	W/O 117452
For participation in cost-sharing programs such as residential surveys; large property audits, which are outsourced due to extensive staff time that would be required; customer service surveys; and supplies such as dye tablets, showerheads and moisture probes.		
		3,000
<b><u>WATERWISE LANDSCAPE</u></b>	Prj 2022100052	W/O 117453
To promote low water use landscape and irrigation practices. Includes the cost for sponsoring, maintaining and upgrading water-wise demonstration gardens**, landscape irrigation/plant selection workshops, signage and promotion of demonstration gardens, waterwise plant promotions, and purchase of waterwise landscape brochures and publication reprints.		
** Demonstration gardens include: Sustainable Demonstration Garden at VWD Administration building, Heritage Park native plant garden and Jack's Pond Park native plant garden.		
		7,300
<b><u>MEMBERSHIPS &amp; EQUIPMENT</u></b>	Prj 2022100053	W/O 117454
To maintain memberships in related organizations and committees and for the purchases of new or replacement equipment.		
		2,400
<b><u>COMMERCIAL/INDUSTRIAL</u></b>	Prj 2022100054	W/O 117455
To assist large commercial and public agency customers by providing workshops, written materials, monetary incentives, and using outside consultants.		
		1,000
<b>TOTAL PUBLIC AWARENESS/CONSERVATION PROGRAM BUDGET</b>		<b><u>\$ 113,000</u></b>

\* Uncertainty in the funding from the Metropolitan Water District may adversely impact the availability of programs.

# 2021-22 CAPITAL BUDGET



**VALLECITOS WATER DISTRICT**

**Comprehensive Project List**

Page Number	Project Number	Project Title	Funding Source	Previous Budget & Amendments	Estimated Amt Expended @ 6/30/21	Fiscal Year 2021-22	
						Carryforward	New Request
<b>Carryover Projects</b>							
36	2021100002	Land Outfall Parallel Sewer Section A Phase 1	210 & 220	\$ 11,320,000	\$ 120,000	\$ 11,200,000	\$ -
37	71004	San Marcos Interceptor Phase 2	210 & 220	8,500,000	8,595,000	(95,000)	250,000
38	90001	Land Outfall Gravity Sewer Sec D Phs 1	210 & 220	8,630,000	255,000	8,375,000	70,000
39	2020100002	Montiel Lift Station and Foremain Replacement	210 & 220	5,580,000	775,000	4,805,000	-
40	2016100002	Chlorine Contact Tank Expansion	250	4,719,000	67,000	4,652,000	-
41	2021100001	Encina Wastewater Authority FY 20/21	210	4,087,000	2,712,000	1,375,000	-
42	2017100224	City of San Marcos Creek District Phase 1	110 & 210	3,740,000	90,000	3,650,000	(162,000)
43	2021100003	16-Inch Emergency Bypass Pipeline Rehabilitation	210	2,010,000	210,000	1,800,000	1,200,000
44	2020100003	Tres-Amigos Water Line Replacement Phase 1	110	3,035,000	175,000	2,860,000	-
45	2020100005	Meadowlark Failsafe Rehabilitation (Buena Reach)	210	1,160,000	125,000	1,035,000	1,825,000
46	2017100002	MRF: Conversion to Sodium Hypochlorite	250	1,795,000	25,000	1,770,000	50,000
47	2019100002	MRF - Biological Selector Improvements	250	1,700,000	575,000	1,125,000	(125,000)
48	2012100002	Richland Invert Replacement	210	1,535,000	15,000	1,520,000	5,000
49	2020100010	Ductile Iron Pipe Condition Assessment	110	605,000	100,000	505,000	695,000
50	2020100004	District-wide SCADA Upgrade Project	110 & 210	1,250,000	700,000	550,000	-
51	2020100006	Sage Canyon Tank Refurbishment	110	1,028,000	30,000	998,000	127,000
52	2020100007	Steel Pipeline Condition Assessment	110	855,000	-	855,000	-
53	2018100011	MRF - Tertiary Structural Rehab and Repairs	250	663,000	95,000	568,000	52,000
54	2014100004	Asset Management Replacement Schedule	110 & 210	704,000	190,000	514,000	-
55	2021100006	MRF Direct Potable Reuse	210	400,000	10,000	390,000	250,000
56	2020100009	Land Outfall West Condition Assessment	210	609,000	175,000	434,000	-
57	2020100011	Palos Vista Pump Station - Motor Starters Upgrade	110	408,000	5,000	403,000	109,000
58	2018100004	Las Posas Water Line Replacement	110	307,000	17,000	290,000	196,000
59	2021100004	MRF Headworks - Upgrade/Replace Equipment	210	440,000	455,000	(15,000)	35,000
60	2021100005	Coronado Hills Tank Exterior Refurbishment	110	420,000	-	420,000	40,000
61	2021100006	Richland I Tank Exterior Refurbishment	110	385,000	-	385,000	20,000
62	2020100023	Technology Infrastructure Upgrades	110 & 210	220,000	220,000	-	130,000
63	2020100022	Redundancy for Admin. Wireless Radio Network	110 & 210	347,000	45,000	302,000	-
64	2021100008	Coggan Pump Station - Generator	110	285,000	-	285,000	40,000
65	2021100007	Rancheros Drive Sewer Replacement	210	300,000	2,000	298,000	-
66	2016100007	Rock Springs Valve Replacement	110	300,000	7,000	293,000	-
67	2017100005	Fire Services - Backflow Preventer Upgrades	110	250,000	175,000	75,000	-
68	2016100014	Via Vera Cruz Tank Hill Stabilization	110	250,000	35,000	215,000	-
69	2021100009	MRF - Odor Scrubber #1 Replacement	210	250,000	225,000	25,000	-
70	2020100012	DHS - Upgrades for Critical Infrastructure Hardware	110 & 210	239,000	11,000	228,000	-
71	2020100014	District Wide Solar	110 & 210	105,000	165,000	(60,000)	65,000
72	2020100016	Door Access Control System Expansion -MRF & Mahr	110 & 210	101,000	101,000	-	49,000
73	2020100026	Upgrades to Surveillance Video Management System	110 & 210	150,000	-	150,000	-
74	2020100015	HVAC Communication Upgrade	110 & 210	143,000	-	143,000	-
75	2020100021	Update Restrooms to ADA Compliance	110 & 210	107,000	-	107,000	28,000
76	2021100013	City of San Marcos Joint Projects Relocate/Adjust	110 & 210	70,000	-	70,000	11,000
				<b>\$ 69,002,000</b>	<b>\$ 16,502,000</b>	<b>\$ 52,500,000</b>	<b>\$ 4,960,000</b>
<b>New Projects</b>							
77	2022100001	Encina Wastewater Authority Five Year Plan	210	-	-	-	31,847,000
78	2022100002	Camino de Amigos Sewer Replacement	210 & 220	-	-	-	1,380,000
79	2022100003	Sewer Lining and Rehab 2022	210	-	-	-	870,000
80	2022100004	Maximo Mobility	110 & 210	-	-	-	270,000
81	2022100005	Lake San Marcos Lift Station - Generator	210	-	-	-	235,000
82	2022100006	Energy Management Study	110 & 210	-	-	-	230,000
83	2022100007	Reclaimed Pumps - Evaluation and Design	250	-	-	-	190,000
84	2022100008	Meadowlark - Landscaping Improvements	210	-	-	-	180,000
85	2022100009	Maintenance Services Department - Offices	110 & 210	-	-	-	150,000
86	2022100010	Wulff Pressure Reducing Station	110	-	-	-	140,000
87	2022100011	Maximo - GIS interface	110 & 210	-	-	-	120,000
88	2022100012	District-wide Valve Replacement Program	110	-	-	-	100,000
89	2022100013	Fleet Maintenance - Hydraulic Lift Replacement	110 & 210	-	-	-	80,000
90	2022100014	Safety Nets and Climbing System for Twin Oaks	110	-	-	-	70,000
91	2022100015	E Building - Minor Repairs and Painting	110 & 210	-	-	-	60,000
92	2022100016	Administration Building - Concrete Repairs	110 & 210	-	-	-	55,000
93	2022100017	Meadowlark - Concrete and Asphalt Improvements	210	-	-	-	50,000
94	2022100018	Painting of Car Wash Building	110 & 210	-	-	-	50,000
95	2022100019	Meadowlark Headworks - Sluice Gate Actuators	210	-	-	-	42,000
96	2022100020	Craven Pressure Station - Interior Refurbishment	110	-	-	-	40,000
97	2022100021	Trussell FCF - Water Quality Analyzer	110	-	-	-	35,000
98	2022100022	San Elijo Pump Station - Water Quality Analyzer	110	-	-	-	35,000
99	2022100023	Administration Building - Roof Repairs	110 & 210	-	-	-	34,000
100	2022100024	Palomar Tank: Asphalt Repair & Sealcoat	110	-	-	-	33,000
101	2022100025	Maximo 7.6.1.2 Upgrade	110 & 210	-	-	-	30,000
102	2022100026	GEMS AB Suite 6.1 Upgrade	110 & 210	-	-	-	30,000
103	2022100027	Meadowlark - BOD Monitor	210	-	-	-	28,000
104	2022100028	Sodium Bisulfite Secondary Containment	250	-	-	-	25,000
105	2022100029	Mountain Belle Tank: Asphalt Repair & Sealcoat	110	-	-	-	21,000
106	2022100030	NeoGOV Applicant Tracking Software	110 & 210	-	-	-	21,000
107	2022100031	OpenGOV Digital Transparency and Reporting	110 & 210	-	-	-	20,000
108	2022100032	District Headquarters - HVAC Repairs	110 & 210	-	-	-	20,000
109	2022100033	Schoolhouse Pump Station - Roof Replacement	110	-	-	-	20,000
110	2022100034	Mahr Reservoir - Algae Monitoring	250	-	-	-	18,000
111	2022100035	Website Redesign - VWD.ORG	110 & 210	-	-	-	15,000
112	2022100036	N Twin Oaks #2 Tank: Asphalt Repair & Sealcoat	110	-	-	-	12,000
113	TBA	Future Projects					40,435,000
				<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 76,991,000</b>
				<b>\$ 69,002,000</b>	<b>\$ 16,502,000</b>	<b>\$ 52,500,000</b>	<b>\$ 81,951,000</b>
						<b>\$134,451,000</b>	

**VALLECITOS WATER DISTRICT**

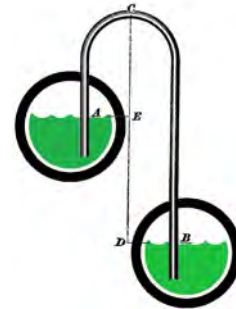
**Comprehensive Project List**

Project	Spending by Fiscal Year						Page Number
	2021-22	2022-23	2023-24	2024-25	2025-26	2026 to 2031	
\$ 11,320,000	\$ 400,000	\$ 600,000	\$ 4,200,000	\$ 6,000,000	\$ -	\$ -	36
8,750,000	155,000	-	-	-	-	-	37
8,700,000	5,000	15,000	435,000	5,000,000	2,990,000	-	38
5,580,000	1,260,000	3,545,000	-	-	-	-	39
4,719,000	292,000	4,360,000	-	-	-	-	40
4,087,000	1,375,000	-	-	-	-	-	41
3,578,000	1,014,000	2,474,000	-	-	-	-	42
3,210,000	-	3,000,000	-	-	-	-	43
3,035,000	1,405,000	1,455,000	-	-	-	-	44
2,985,000	2,860,000	-	-	-	-	-	45
1,845,000	270,000	1,550,000	-	-	-	-	46
1,575,000	1,000,000	-	-	-	-	-	47
1,540,000	65,000	850,000	610,000	-	-	-	48
1,300,000	300,000	300,000	300,000	300,000	-	-	49
1,250,000	550,000	-	-	-	-	-	50
1,155,000	1,125,000	-	-	-	-	-	51
855,000	250,000	250,000	355,000	-	-	-	52
715,000	620,000	-	-	-	-	-	53
704,000	320,000	194,000	-	-	-	-	54
650,000	340,000	300,000	-	-	-	-	55
609,000	60,000	374,000	-	-	-	-	56
517,000	512,000	-	-	-	-	-	57
503,000	486,000	-	-	-	-	-	58
475,000	20,000	-	-	-	-	-	59
460,000	5,000	455,000	-	-	-	-	60
405,000	45,000	360,000	-	-	-	-	61
350,000	130,000	-	-	-	-	-	62
347,000	302,000	-	-	-	-	-	63
325,000	325,000	-	-	-	-	-	64
300,000	28,000	270,000	-	-	-	-	65
300,000	20,000	273,000	-	-	-	-	66
250,000	75,000	-	-	-	-	-	67
250,000	-	-	20,000	195,000	-	-	68
250,000	25,000	-	-	-	-	-	69
239,000	228,000	-	-	-	-	-	70
170,000	5,000	-	-	-	-	-	71
150,000	49,000	-	-	-	-	-	72
150,000	150,000	-	-	-	-	-	73
143,000	143,000	-	-	-	-	-	74
135,000	135,000	-	-	-	-	-	75
81,000	-	81,000	-	-	-	-	76
<b>\$ 73,962,000</b>	<b>\$ 19,349,000</b>	<b>\$ 17,706,000</b>	<b>\$ 5,920,000</b>	<b>\$ 11,495,000</b>	<b>\$ 2,990,000</b>	<b>\$ -</b>	
31,847,000	4,156,000	6,607,000	6,412,000	7,492,000	7,180,000	-	77
1,380,000	40,000	390,000	950,000	-	-	-	78
870,000	45,000	825,000	-	-	-	-	79
270,000	20,000	250,000	-	-	-	-	80
235,000	235,000	-	-	-	-	-	81
230,000	230,000	-	-	-	-	-	82
190,000	40,000	150,000	-	-	-	-	83
180,000	30,000	150,000	-	-	-	-	84
150,000	150,000	-	-	-	-	-	85
140,000	140,000	-	-	-	-	-	86
120,000	75,000	45,000	-	-	-	-	87
100,000	100,000	-	-	-	-	-	88
80,000	80,000	-	-	-	-	-	89
70,000	70,000	-	-	-	-	-	90
60,000	60,000	-	-	-	-	-	91
55,000	55,000	-	-	-	-	-	92
50,000	50,000	-	-	-	-	-	93
50,000	50,000	-	-	-	-	-	94
42,000	42,000	-	-	-	-	-	95
40,000	40,000	-	-	-	-	-	96
35,000	35,000	-	-	-	-	-	97
35,000	35,000	-	-	-	-	-	98
34,000	34,000	-	-	-	-	-	99
33,000	33,000	-	-	-	-	-	100
30,000	30,000	-	-	-	-	-	101
30,000	30,000	-	-	-	-	-	102
28,000	28,000	-	-	-	-	-	103
25,000	25,000	-	-	-	-	-	104
21,000	21,000	-	-	-	-	-	105
21,000	21,000	-	-	-	-	-	106
20,000	20,000	-	-	-	-	-	107
20,000	20,000	-	-	-	-	-	108
20,000	20,000	-	-	-	-	-	109
18,000	18,000	-	-	-	-	-	110
15,000	15,000	-	-	-	-	-	111
12,000	12,000	-	-	-	-	-	112
40,435,000	-	30,000	875,000	8,850,000	15,825,000	14,855,000	113
<b>\$ 76,991,000</b>	<b>\$ 6,105,000</b>	<b>\$ 8,447,000</b>	<b>\$ 8,237,000</b>	<b>\$ 16,342,000</b>	<b>\$ 23,005,000</b>	<b>\$ 14,855,000</b>	
<b>\$ 150,953,000</b>	<b>\$ 25,454,000</b>	<b>\$ 26,153,000</b>	<b>\$ 14,157,000</b>	<b>\$ 27,837,000</b>	<b>\$ 25,995,000</b>	<b>\$ 14,855,000</b>	



## Capital Improvement Program Land Outfall Parallel Sewer Section A Phase 1

**Description:** The existing 20 to 24-inch Siphon Section A, and 30-inch Gravity Section A of the Land Outfall are under capacity and will require a parallel 30-inch pipeline and a new 42-inch pipe to be installed.



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 2021100002

**Funding Source:** 76% Fund 220 – Sewer Capacity  
24% Fund 210 – Sewer Replacement

**Comments:** The Land Outfall comprises approximately 34,000 feet of sewer pipe (total) installed in 1985, connecting Lift Station No. 1 to the Encina Water pollution Control Facility. The Siphon Section A comprises approximately 12,000-feet of 20 to 24-inch ductile iron pipe (DIP) and operates as a pressurized inverted siphon. The Siphon Section A corridor begins just west of Acacia Drive and ends just east of El Camino Real. Currently Siphon Section A is overcapacity during peak wet weather flow conditions. A 30-inch siphon pipeline, parallel to Siphon Section A, needs to be installed to provide additional capacity and to accommodate ultimate build out demands.

Approximately 1,500 feet of existing 30-inch vitrified clay pipe (VCP), referred to a Gravity Section A, was installed in 1985 as part of the 34,000 foot Land Outfall project, which connects Lift Station No. 1 to the Encina Water pollution Control Facility. Gravity Section A is currently under capacity for build out demands and will need to be replaced with new 42-inch PVC.

**Operations Impact:** Reduce the risk of sewer spills. Increase capacity. Routine maintenance.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$120,000	\$200,000					\$320,000
Design		\$200,000	\$600,000	\$200,000			\$1,000,000
Construction				\$4,000,000	\$6,000,000		\$10,000,000
<b>Total</b>	\$120,000	\$400,000	\$600,000	\$4,200,000	\$6,000,000	\$0	<b>\$11,320,000</b>

*FY 2021/22 Budget Request - \$0*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021	Jul 2021	Jun 2022	Apr 2022	Jun 2023	Jul 2023	Jun 2025	Jun 2025

## Capital Improvement Program San Marcos Interceptor Phase 2

**Description:** The project consists of constructing approximately 3400 feet of 42-inch sewer interceptor replacing an existing 21-inch sewer line. The existing line is prone to groundwater inflow and infiltration (I&I) and at risk for failure and sanitary sewer overflow. The sewer interceptor runs along San Marcos Creek from north of the State Route 78 past McMahr Road. The project includes open cut and a tunnel section.



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 71004

**Funding Source:** 29% Fund 210 – Sewer Replacement  
71% Fund 220 – Sewer Capacity

**Comments:** This project is the last phase of a project identified in the 2002 Master Plan. The reduction of inflow and infiltration (I&I) will help extend the life of the sewer system downstream of the San Marcos interceptor and reduce unnecessary treatment of groundwater at the Encina Water Pollution Control Facility and VWD's Meadowlark Water Reclamation Facility. The new line will also reduce the likelihood of sanitary sewer overflows into the San Marcos Creek. Previous phases have already been completed. Design began FY 13/14 for the last phase, Phase 2, between Via Vera Cruz and Pacific Street in order to be consistent with the future improvements within the Creek District. The City of San Marcos will reimburse VWD for approximately \$70,000 in design costs for Phase 2. The construction cost reimbursement will be finalized after actual bid prices are received for the project. This project is identified in the 2018 Master Plan as Project SP-11.

**Operations Impact:** The sewer capacity replacement project will serve to prevent future sanitary sewer overflows (SSOs).

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$370,000						\$370,000
Design	\$825,000						\$825,000
Construction	\$7,400,000	\$155,000					\$7,555,000
<b>Total</b>	<b>\$8,595,000</b>	<b>\$155,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$8,750,000</b>

**FY 2021/22 Budget Request - \$250,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 1996	Jul 1996	Jun 2007	Dec 2013	May 2020	Jun 2020	Jun 2021	Jul 2021

## Capital Improvement Program Land Outfall Gravity Sewer Sec D Phs 1

**Description:** Approximately 7,900 feet of existing 30 to 39-inch sewer pipe within Gravity Section D of the Land Outfall is currently under capacity and will need to be upsized to new 36-inch to 48-inch PVC pipes.



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 90001

**Funding Source:** 20% Fund 220 - Sewer Capacity  
80% Fund 210 - Sewer Replacement

**Comments:** The Land Outfall comprises approximately 34,000 feet of sewer pipe (total) installed in 1985, connecting Lift Station No. 1 to the Encina Water pollution Control Facility. A portion of the Land Outfall, referred to as Gravity Section D, is made up of approximately 15,000 feet of sewer pipe ranging in size from 30 to 39-inch from east of Interstate 5 to the end of Siphon C, located near Palomar Oaks Way and Camino Vida Roble. Approximately 7,900 feet of Gravity Section D is currently over capacity and needs to be upsized to new 36-inch to 48-inch PVC pipelines. The District will work with other interested agencies (City of Carlsbad, Buena Sanitation District & City of Vista) when possible in pursuit of cost-sharing alternatives. After project completion, the District estimates \$3,515,000 will be received in reimbursements.

The existing Land Outfall capacity ownership percentages for the three agencies are:

Carlsbad 23.98%  
Vista 17.99%  
VWD 58.03%

**Operations Impact:** Reduce the risk of sewer spills. Increase capacity. Routine maintenance.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$255,000	\$5,000					\$260,000
Design			\$15,000				\$15,000
Construction				\$435,000	\$5,000,000	\$2,990,000	\$8,425,000
<b>Total</b>	\$255,000	\$5,000	\$15,000	\$435,000	\$5,000,000	\$2,990,000	<b>\$8,700,000</b>

**FY 2021/22 Budget Request - \$70,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2008	Jan 2009	Jun 2023	Jul 2023	Sep 2024	Oct 2024	Sep 2025	Oct 2025

## Capital Improvement Program Montiel Lift Station and Forcemain Replacement

**Description:** The Montiel Lift Station and the discharge forcemain have surpassed the end of their design life and require replacement. In addition, the lift station is undersized to handle peak wet weather build out flows for the area.



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 2020100002

**Funding Source:** 51% Fund 210 – Sewer Replacement  
49% Fund 220 – Sewer Capacity

**Comments:** The Montiel Lift Station is a small facility just north of State Route-78 and east of Nordahl Road. This lift station was constructed in 1985 and was originally designed to serve as a temporary purpose. The lift station collects and conveys wastewater flows from a 200-acre area east of Nordahl Road near the District's eastern service area boundary. The lift station's discharge consists of 1,830-feet of 6-inch diameter ductile iron pipe (DIP) forcemain which has surpassed the end of its design life. The District has prepared a planning document and determined that a gravity outfall solution, in partnership with the City of Escondido will not be realized. This project is identified in the 2018 Master Plan as Project LS-1.

The existing forcemain discharge connection to the gravity manhole in Nordahl Road will be replaced as part of this project. An additional 2,350 feet of forcemain piping may be included downstream of this location to reduce the quantity/cost of future CIP replacements of the existing gravity sewer in the Nordahl Shopping Center. Additional replacements of existing 10" diameter DIP influent gravity sewer segments upstream of the lift station may be replaced. Applying these project components under one scope of work presents an estimated savings of over \$1,000,000 compared to executing individually as separate capital improvement projects.

**Operations Impact:** Routine monitoring and maintenance.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$375,000						\$375,000
Design	\$400,000	\$260,000					\$660,000
Construction		\$1,000,000	\$3,545,000				\$4,545,000
<b>Total</b>	<b>\$775,000</b>	<b>\$1,260,000</b>	<b>\$3,545,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,580,000</b>

**FY 2021/22 Budget Request - \$0**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2019	Feb 2016	Jul 2021	Jan 2020	Apr 2022	May 2022	Mar 2023	Apr 2023

## Capital Improvement Program Chlorine Contact Tank Expansion

**Description:** Expand the existing Chlorine Contact Tank (CCT) at the Meadowlark Water Reclamation Facility (MRF) from 5 million gallons a day (MGD) to 6.5 MGD. Evaluate updating CCT process to utilize Ultraviolet Sterilization.



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 2016100002

**Funding Source:** 100% Fund 250 - Reclaimed

**Work Order:** 167177

**Comments:** The existing CCT were part of the original expansion of MRF in the 1980's. During the latest expansion of MRF which started in 2005, the CCTs were re-rated to handle the expanded flow but were not updated. Currently the CCTs remain one of the bottlenecks in the process at MRF.

Chlorine contact tanks (CCTs) at Meadowlark Water Reclamation Facility (MRF) can process up to 5 million gallons per day (MGD) of reclaimed water; all of the other treatment components at MRF has the ability to process up to 6.5 MGD. This was identified in the draft Nutrient Removal Study, which indicated that MRF has the ability to increase the daily treatment capacity to 6.5 MGD. The District as a member of the North San Diego County Water Reuse Coalition secured a grant of \$90,000 under Prop 84, awarded by the State Water Resources Control Board (SWRCB). The District is seeking 25% Grant funding for the project budget total. Reimbursement for project costs will also be acquired from current recycled water customers (City of Carlsbad and Olivenhain Municipal Water District) through the Recycled Water Rates. Construction of the CCT expansion will be contingent on acquiring these grant funds and reimbursement agreements. The net result will be 'no cost' to the District.

**Operations Impact:** Normal maintenance.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$67,000	\$5,000					\$72,000
Design		\$287,000	\$60,000				\$347,000
Construction			\$4,300,000				\$4,300,000
<b>Total</b>	\$67,000	\$292,000	\$4,360,000	\$0	\$0	\$0	<b>\$4,719,000</b>

**FY 2021/22 Budget Request - \$0**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2015	Apr 2016	Jul 2021	Jul 2021	Aug 2022	Sep 2022	Jun 2023	Jul 2023

## Capital Improvement Program Encina Wastewater Authority FY 20/21

**Description:** The District is a member agency of the Encina Wastewater Authority (EWA). The District shares in the cost of planned asset replacements and capital acquisitions.



**Project Manager:** Wes Owen

**Department:** General Manager

**Project:** 2021100001

**Funding Source:** 100% Fund 210 – Sewer Replacement

**Comments:** These miscellaneous Encina Wastewater Authority capital projects are budgeted each year based on the District's 22.4% ownership share.

**Operations Impact:** No significant increase in costs or changes in efficiencies are anticipated from this project

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction	\$2,712,000	\$1,375,000					\$4,087,000
<b>Total</b>	<b>\$2,712,000</b>	<b>\$1,375,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,087,000</b>

*FY 2021/22 Budget Request - \$0*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2009							Aug 2021

## Capital Improvement Program City of San Marcos Creek District Phase 1

**Description:** This amount is set-aside to cover services rendered in conjunction with various City of San Marcos projects involving District infrastructure per the District/City of San Marcos Cost Sharing Agreement dated March 31, 2009. This includes District staff time involved in inspection and project management, as well as reimbursements to the City for District infrastructure relocations and adjustments.



**Project Manager:** James Gumpel

**Department:** Engineering

**Project:** 2017100224

**Funding Source:** See Below

**Comments:**

Project:	Amount:	Source:
Discovery St Widening*	\$764,000	Water/Sewer 85% / 15%
Bent Ave Bridge*	\$1,014,000	Water/Sewer 25% / 75%
Via Vera Cruz Bridge*	\$1,800,000	Water/Sewer 70% / 30%
<b>Total</b>	<b>\$3,578,000</b>	

These projects are in conjunction with the City's Capital Improvement Plan. Totals do not include potential construction change orders.

**Operations Impact:** Normal maintenance for infrastructure.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$90,000						\$90,000
Design							
Construction		\$1,014,000	\$2,474,000				\$3,488,000
<b>Total</b>	\$90,000	\$1,014,000	\$2,474,000	\$0	\$0	\$0	<b>\$3,578,000</b>

*FY 2021/22 Budget Request - (\$162,000)*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2016						Apr 2023	May 2023



## Capital Improvement Program 16-Inch Emergency Bypass Pipeline Rehabilitation

**Description:** Rehabilitate approximately 4550 feet of existing 16-inch reinforced plastic mortar sewer pipeline and 3500 feet of existing 12-inch ductile iron pipeline with a cured-in-place-pipe (CIPP) liner and replace necessary isolation valves and appurtenances. Provide new permanent access locations at incremental lengths along both alignments.



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 2021100003

**Funding Source:** 100% Fund 210 – Sewer Replacement

**Comments:** The 16-inch Emergency Bypass pipeline was installed in 1969 and connects to the District's 24-inch Land Outfall pipeline in the City of Carlsbad. The pipeline extends from Melrose Drive near Poinsettia Lane and follows a natural canyon easterly to Rancho Santa Fe Road near Via Cancion. The pipeline is primarily composed of reinforced plastic mortar (RPM) pipe, commonly referred to as "Techite", with some section of ductile iron pipe (DIP). The pipeline, controlled by a series of valves, serves as an emergency bypass of sewer flows to and from the Meadowlark Water Reclamation Facility (MRF) and the Land Outfall pipeline to the Encina Water Pollution Control Facility (EWPCF) in Carlsbad. Due to age, material, and corrosive environment, the pipeline has suffered breaks in recent years and several of the control valves no longer function.

This project will incorporate necessary rehabilitation to the District's Failsafe 12-inch DIP Outfall located approximately 5-ft offset of the Bypass Pipeline. Both utilities are considered at-risk critical infrastructure assets to the District. This project will result in an overall savings in excess of \$500,000 when compared to executing the two pipeline rehab projects under individual capital improvement projects.

**Operations Impact:** Restore operation to broken valves and increase life of the Emergency Bypass Sewer and the Failsafe Outfall.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$90,000						\$90,000
Design	\$120,000	\$120,000					\$240,000
Construction		\$2,880,000					\$2,880,000
<b>Total</b>	\$210,000	\$3,000,000	\$0	\$0	\$0	\$0	<b>\$3,210,000</b>

**FY 2021/22 Budget Request - \$1,200,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2020	Jul 2020	Jan 2021	Feb 2021	Sep 2021	Oct 2021	Feb 2022	Mar 2022

## Capital Improvement Program Tres-Amigos Water Line Replacement Phase 1

**Description:** Replace approximately 7,800 feet of the Tres-Amigos thin-wall steel water line. The aging 6-inch to 8-inch steel pipe will be replaced with new PVC pipe.



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 2020100003

**Funding Source:** 100% Fund 110 – Water Replacement

**Comments:** The Tres-Amigos water line consists of approximately 19,000 feet of pipelines ranging from 6-inch to 12-inch diameter. The water pipelines located in the northern limits of VWD boundary were installed in the 1950s and 1960s, extending from the North Twin Oaks Tank No. 2 in Pleasant Heights Drive to north of Carrio Drive. The original Tres Amigos Line Extension Project occurred in 1958 which installed 6-inch and 8-inch diameter tar wrapped 12-14-gauge steel pipelines. This material is considered steam pipeline and is not adequate for use in pressurized water distribution systems. The Project will design the replacement of existing 6-inch and 8-inch diameter steel water mains with 8-inch (minimum) diameter C-900 PVC water pipeline.

Due to the frequency of pipeline ruptures, this project will replace approximately 7,800-feet of the Tres Amigos water pipelines beginning at the tee junction in Green Hills Way, traveling northbound in VWD easements and in Ormsby Way. The pipeline corridor veers east in an existing VWD easement from Ormsby Way and travels northbound in alignment with Fairview Drive and crosses Gopher Canyon Road, continuing northbound in Fairview Drive. North of the Carrio Drive/ Fairview Drive intersection, the pipeline travels northeast in VWD easements through private properties to a dead-end at VWD’s northern boundary (end of Project). A key Project objective includes the relocation of the existing pipelines out of private backyards and into more accessible areas.

**Operations Impact:** Reduced risk of water line breakage. Annual and routine pipeline maintenance is expected with the completion of this project.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$50,000						\$50,000
Design	\$125,000	\$405,000					\$530,000
Construction		\$1,000,000	\$1,455,000				\$2,455,000
<b>Total</b>	<b>\$175,000</b>	<b>\$1,405,000</b>	<b>\$1,455,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,035,000</b>

**FY 2021/22 Budget Request - \$0**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2019	Jul 2019	Jun 2020	Jul 2020	Mar 2022	May 2022	Feb 2023	Mar 2023

**Capital Improvement Program  
Meadowlark Failsafe Rehabilitation (Buena Reach)**

**Description:** This project will install manholes to provide access to the pressured system for cured in place pipeline rehabilitation, repair, and/or replacement alternatives.



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 2020100005

**Funding Source:** 100% Fund 210 – Sewer Replacement

**Comments:** The Meadowlark Failsafe Sewer Outfall is composed of approximately 9900 feet of 16-inch ductile iron pipe (DIP) installed in 1980 from Aviara Parkway and Palomar Airport Road to Yarrow Road and Camino Vida Roble in Carlsbad. Recent repairs in the Buena Reach have determined that there is a significant need to improve the condition of this pipeline. This project will install manholes to provide access to the pressured system for cured in place pipeline rehabilitation, repair, and/or replacement alternatives.

Buena Sanitation District is responsible for 50% of any repairs or improvements in the Buena Reach and a letter agreement as a rider to the 1980 agreement will be required. After project completion, VWD expects to receive approximately \$1,450,000 in project design and construction reimbursements.

**Operations Impact:** Improve maintenance access. Identify structural, flow capacity deficiencies, and potential repairs. Reduce risk of sewer spills. Annual and routine pipeline maintenance.

**Project Spending Plan**

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$25,000						\$25,000
Design	\$100,000	\$80,000					\$180,000
Construction		\$2,780,000					\$2,780,000
<b>Total</b>	\$125,000	\$2,860,000	\$0	\$0	\$0	\$0	<b>\$2,985,000</b>

**FY 2021/22 Budget Request - \$1,825,000**

**Estimated Project Timeline**

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2019	Jan 2020	Nov 2020	Nov 2020	Sep 2021	Oct 2021	Feb 2022	Mar 2022

## Capital Improvement Program MRF: Conversion to Sodium Hypochlorite

**Description:** Replace the use of chlorine gas at the Meadowlark Water Reclamation Facility with bulk storage of sodium hypochlorite (bleach) and perform a structural retrofit to meet the current State seismic standards for buildings.



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 2017100002

**Funding Source:** 100% Fund 250 - Reclaimed

**Comments:** The Meadowlark Water Reclamation Facility (MRF) currently uses 100% chlorine gas as a disinfectant in order to meet State regulations for reclaimed water. Chlorine gas is an acute hazard that presents a danger to District staff and the increasing number of residents in the immediate area. Use of this gas requires the District to maintain several expensive State and Federal safety programs, equipment, and a Hazardous Materials response team; requiring a considerable amount of staff time. The conversion to bulk storage of sodium hypochlorite removes the acute hazard of chlorine gas and replaces it with a bleach solution (12.5%) that removes the District’s requirement to maintain several of the extensive safety programs for that site. Use of the bleach will not create an acute hazard in the event of a leak. The project will proceed with an agreement from the Recycled Water customers (City of Carlsbad and OMWD) to reimburse the District through Recycled Water rates.

During the Process Hazard Analysis of 2019, ventilation openings in the Chlorine Building were identified as having seismic deficiencies. These deficiencies need to be seismically retrofitted to the current building code.

**Operations Impact:** Removal of an acute hazard. Reduction in regulatory requirements and staff time at the Meadowlark Reclamation Facility. Economic benefit of no longer needing to import chlorine gas or maintain a HazMat team. Routine maintenance.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$25,000	\$10,000					\$35,000
Design		\$260,000	\$70,000				\$330,000
Construction			\$1,480,000				\$1,480,000
<b>Total</b>	\$25,000	\$270,000	\$1,550,000	\$0	\$0	\$0	<b>\$1,845,000</b>

*FY 2021/22 Budget Request - \$50,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2016	Jul 2018	Jun 2021	Jul 2021	Aug 2022	Oct 2022	Jun 2023	Jun 2023

## Capital Improvement Program MRF - Biological Selector Improvements

**Description:** Construct modifications to the existing aeration basins to reduce sludge bulking, improve treatment, and reduce operation and maintenance costs at the Meadowlark Water Reclamation Facility (MRF).



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 2019100002

**Funding Source:** 100% Fund 250 - Reclaimed

**Comments:** Using biological modeling, this project will make improvements to the aeration basin operation and capacity. With the addition of a anaerobic selector to the existing aeration basin, overall treatment will improve, lowering operational costs. In addition flexibility will be added to the process by allowing treatment to occur without running the roughing filters. Infrastructure modifications will be made to the aeration basin including changing to ceramic disc diffusers and adding geo-membrane baffling, a new compressed air mixing system, and process control probes.

The construction of the biological selector will only proceed with an agreement from the current recycled water customers (City of Carlsbad and Olivenhain Municipal Water District) to reimburse the District through the Recycled Water Rates.

**Operations Impact:** Reduce operation and maintenance costs.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$50,000						\$50,000
Design	\$210,000						\$225,000
Construction	\$315,000	\$1,000,000					\$1,300,000
<b>Total</b>	<b>\$575,000</b>	<b>\$1,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,575,000</b>

*FY 2021/22 Budget Request - (\$125,000)*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2018	Jul 2018	Feb 2019	Mar 2019	Feb 2021	Mar 2021	Oct 2021	Nov 2021

## Capital Improvement Program Richland Invert Replacement

**Description:** This project calls for the replacement of the existing 100-foot wastewater siphon pipeline that travels under San Marcos Creek from the Diamond Environmental Services parking lot south of Mission Road to the 18-inch Richland Interceptor. The existing 8-inch and 10-inch pipelines will be replaced with either a new 15-inch siphon to be located at the existing pipelines' location.



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 2012100002

**Funding Source:** 100% Fund 210 – Sewer Replacement

**Work Order:** 123749

**Comments:** The existing 8-inch and 10-inch invert pipelines were installed over 27 years ago and were originally designed to be temporary. Because of their size restrictions, surcharging occurs in the upstream gravity pipelines during peak flows. In addition, recent inspections by the District’s Collections crew have revealed damage to the existing pipe. This project will evaluate whether a new, larger capacity siphon underneath the San Marcos Creek or a gravity line in the City right-of-way is the most cost effective option. If the creek crossing is selected, staff anticipates environmental wetland permitting will be required. The 2018 Master Plan has identified this replacement as project SP-10.

**Operations Impact:** The project increases sewage handling capacity in the collections system and solves an existing sewer surcharge issue during daily peak and wet weather events. Annual, routine sewer pipeline maintenance is expected with the completion of this project.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$15,000	\$35,000					\$50,000
Design		\$30,000	\$150,000				\$180,000
Construction			\$700,000	\$610,000			\$1,310,000
<b>Total</b>	\$15,000	\$65,000	\$850,000	\$610,000	\$0	\$0	<b>\$1,540,000</b>

**FY 2021/22 Budget Request - \$5,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jun 2011	Apr 2012	Mar 2022	Apr 2022	Feb 2023	Mar 2023	Sep 2023	Oct 2023

## Capital Improvement Program Ductile Iron Pipe Condition Assessment

**Description:** Leverage the District's Asset Management Program to perform condition assessment on targeted areas of the ductile iron pipe system that have been experiencing breaks in recent years. Results will be evaluated to minimize future replacement projects and reduce chances of emergency repairs.



**Project Manager:** Susan Bowman

**Department:** Engineering

**Project:** 2020100010

**Funding Source:** 100% Fund 110 – Water Replacement

**Comments:** The District will plan and implement a phased, multi-year condition assessment program. This program will use pipeline condition assessment technology in conjunction with the District's Asset Management Program, to target specific areas in the ductile iron pipe (DIP) water line system for evaluation. The program will determine whether pipelines are in need of repair, rehabilitation, or full replacement. Coordination with Operations staff will minimize disruption to customers and provide invaluable insight to developing implementation plans. Implementation plans will establish where pipe tools will be inserted into the water line to measure pipeline wall thickness. Results will be evaluated to maximize the beneficial use of the District's existing infrastructure.

**Operations Impact:** Reduce risk of water line breakage by identifying potential repairs. Extend the useful life of the existing water lines, reduce operational costs of annual and routine pipeline maintenance.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning		\$20,000	\$20,000	\$20,000	\$20,000		\$80,000
Design	\$29,000	\$20,000	\$20,000	\$20,000	\$20,000		\$109,000
Construction	\$71,000	\$260,000	\$260,000	\$260,000	\$260,000		\$1,111,000
<b>Total</b>	\$100,000	\$300,000	\$300,000	\$300,000	\$300,000	\$0	<b>\$1,300,000</b>

**FY 2021/22 Budget Request - \$695,000**

### Estimated Project Timeline

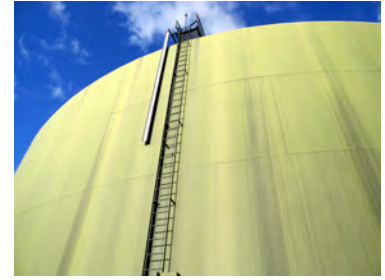
Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2019			Jul 2019	Dec 2022	Jan 2020	Jun 2023	Jun 2023





## Capital Improvement Program Sage Canyon Tank Refurbishment

**Description:** Sage Canyon Tank requires interior refurbishment.



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 2020100006

**Funding Source:** 100% Fund 110 – Water Replacement

**Comments:** The existing interior lining of the 3.7 million gallon (MG) tank has deteriorated and requires full refurbishment. This project will remove the existing lining and coating and install a new lining and coating. Structural repairs to the ceiling rafters and equipment upgrades may also be necessary.

**Operations Impact:** Prevent further delamination of the existing lining. Routine maintenance

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$5,000						\$5,000
Design	\$25,000	\$15,000					\$40,000
Construction		\$1,110,000					\$1,110,000
<b>Total</b>	<b>\$30,000</b>	<b>\$1,125,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,155,000</b>

**FY 2021/22 Budget Request - \$127,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2019	Nov 2019	Dec 2020	Jan 2021	Oct 2021	Nov 2021	Mar 2022	Apr 2022

## Capital Improvement Program Steel Pipeline Condition Assessment

**Description:** Leverage the District's Asset Management Program to perform condition assessment on targeted areas of the District's highest priority steel water line. Results will be evaluated to minimize future replacement projects and reduce chances of emergency repairs.



**Project Manager:** Susan Bowman

**Department:** Engineering

**Project:** 2020100007

**Funding Source:** 100% Fund 110 – Water Replacement

**Comments:** The District will plan and implement a phased, multi-year condition assessment program. This program will use pipeline condition assessment technology in conjunction with the District's Asset Management Program, to target specific areas in the District's steel (CML&C) water line system for evaluation. The program will determine whether pipelines are in need of repair, rehabilitation, or full replacement. Coordination with Operations staff will minimize disruption to customers and provide invaluable insight to developing work plans. Work plans will establish where pipe tools will be inserted into the water line to measure pipeline wall thickness. Results will be evaluated to maximize the beneficial use of the District's existing infrastructure.

**Operations Impact:** Reduce risk of water line breakage by identifying potential repairs. Extend the useful life of the existing water lines. Annual and routine pipeline maintenance.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design		\$75,000	\$75,000	\$75,000			\$225,000
Construction		\$175,000	\$175,000	\$280,000			\$630,000
<b>Total</b>	\$0	\$250,000	\$250,000	\$355,000	\$0	\$0	<b>\$855,000</b>

*FY 2021/22 Budget Request - \$0*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2019	Jul 2019	Dec 2023	Jan 2020	Jun 2024			Jun 2024

## Capital Improvement Program MRF - Tertiary Structural Rehab and Repairs

**Description:** The Tertiary Treatment Area at the Meadowlark Water Reclamation Facility (MRF) requires rehabilitation and repairs to the influent chamber, an associated air line, a joint seal and pipe opening to Filter Basin No. 3, the existing sluice gate located in the Chlorine Contact Tank - Effluent and Backwash Pump Station, and various related areas.



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 2018100011

**Funding Source:** 100% Fund 250 - Reclaimed

**Comments:** The Meadowlark Water Reclamation Facility's (MRF) Tertiary Treatment Area needs various repairs due to the corrosive nature of the treatment process. The existing high solids epoxy coating the tertiary influent chamber is failing. A stainless steel mixing air line inside the chamber has also developed leaks. Using bypass methods, the chamber's protective lining will need to be repaired and the airline replaced. Associated with the tertiary influent chamber is a concrete mixer platform that has deteriorated and will need to be replaced with new steel beams and platform.

Downstream from the influent chamber are six tertiary filter basins. The joint seal in Filter Basin No. 3 is failing, resulting in corrosion to a pipe opening at the bottom of the filter and corrosion to the associated pipe located outside of the basin in the Filter Pipe Gallery. This isolated area will need to be repaired and recoated. All work will need to be scheduled during low production of recycled water.

The existing sluice gate in the Effluent and Backwash Pump Station, which is used to isolate tertiary flows in the Chlorine Contact Tank, is non-functional. The sluice gate needs to be replaced to restore operational use of this equipment.

To get more competitive pricing, and due to the coordinated scheduling of the related work, these individual repairs will be grouped together under one construction contract.

**Operations Impact:** Restore operational functionality. Maintains the integrity of tertiary treatment area and operational processes. Normal maintenance.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$5,000						\$5,000
Design	\$50,000	\$10,000					\$60,000
Construction	\$40,000	\$610,000					\$650,000
<b>Total</b>	<b>\$95,000</b>	<b>\$620,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$715,000</b>

*FY 2021/22 Budget Request - \$52,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2017	Apr 2018	Jun 2019	Jul 2019	Jul 2021	Nov 2021	Feb 2022	Mar 2022

## Capital Improvement Program Asset Management Replacement Schedule

**Description:** Create a comprehensive Asset Management Plan integrating the District's own computerized maintenance management system (CMMS), prioritized Asset/Infrastructure replacement schedule, including condition assessment, for the District Facilities. This item is part of the VWD Strategic Plan – Strategic Focus Area 1.2.



**Project Manager:** Susan Bowman

**Department:** Engineering

**Project:** 2014100004

**Funding Source:** 50% Fund 110 – Water Replacement  
50% Fund 210 – Sewer Replacement

**Comments:** The District’s infrastructure is aging and proper planning requires an understanding of when, where, and how much replacing that infrastructure will cost. Proper preventative maintenance helps ensure the District obtains the maximum beneficial life out of its infrastructure. The District has already taken steps towards this by implementing a computerized maintenance management system (CMMS) known as Maximo to implement and track preventative, corrective, and emergency maintenance/repairs on all assets/ infrastructure. This project will take the CMMS, Geographical Information System (GIS) and condition information to develop an Asset Management Plan that will provide a prioritized, risk-based replacement schedule with cost estimates over the expected life of all assets/infrastructure. This, plus a Business Risk Exposure analysis and performance of condition assessments on infrastructure, will help the the Asset Management Plan identify future renewal and replacement projects.

**Operations Impact:** An Asset Management Plan with schedule will help to prevent costly line breaks, prioritize resource allocation, improve efficiency and reduce overall asset lifecycle costs.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning		\$20,000	\$50,000				\$70,000
Design	\$190,000	\$100,000	\$50,000				\$340,000
Construction		\$200,000	\$94,000				\$294,000
<b>Total</b>	\$190,000	\$320,000	\$194,000	\$0	\$0	\$0	<b>\$704,000</b>

**FY 2021/22 Budget Request - \$0**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2013	Jul 2017	Jun 2023	Jan 2019	Jun 2023			Jun 2023

## Capital Improvement Program MRF Direct Potable Reuse

**Description:** VWD would like to explore the feasibility of repurposing or expanding MRF Plant Capacity and providing potable reuse



**Project Manager:** James Gumpel

**Department:** Engineering

**Project:** 2021100006

**Funding Source:** 100% Fund 210 – Sewer Replacement

**Comments:** The Meadowlark Water Reclamation Facility (MRF) currently provides approximately 4 MGD of recycled water to the Olivenhain Municipal Water District and the City of Carlsbad. VWD would like to explore the feasibility of repurposing some of this capacity, or expanding MRF, to create potable water for distribution to VWD’s water customers. The evaluation is the first step in determining if this concept is technically and financially feasible.

**Operations Impact:** Potential to provide alternative water supply source

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$10,000	\$340,000	\$300,000				\$650,000
Design							
Construction							
<b>Total</b>	\$10,000	\$340,000	\$300,000	\$0	\$0	\$0	<b>\$650,000</b>

*FY 2021/22 Budget Request - \$250,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2020	Apr 2021	Jun 2023					Jun 2035

## Capital Improvement Program Land Outfall West Condition Assessment

**Description:** The western segment of the sewer Land Outfall is in need of a condition assessment to evaluate for future cleaning, rehabilitation, and/or repair projects



**Project Manager:** Susan Bowman

**Department:** Engineering

**Project:** 2020100009

**Funding Source:** 100% Fund 210 – Sewer Replacement

**Work Order:** 212368

**Comments:** The existing sewer Land Outfall pipeline was installed in 1986 and connects the District's Lift Station No.1 to the Encina Water Pollution Control Facility (EWPCF).The 34,000 foot long pipeline has both gravity and pressurized segments. While some eastern segments, between Melrose Drive and Acacia Drive were replaced in 2006, there has been no evaluation of the western portion of the Land Outfall from El Camino Real to the EWPCF. This project will evaluate through closed-circuit television (CCTV) inspection the condition of approximately 16,700 feet of sewer pipeline ranging in size from 30-inch to 54-inch.

As joint partners in the Land Outfall, this project will require coordination with the City of Carlsbad and the Buena Sanitation District (Vista). After project completion, we expect to receive \$256,000 in reimbursements.

**Operations Impact:** Reduce the risk of sewer spills. Routine maintenance.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$10,000	\$20,000	\$50,000				\$80,000
Design	\$65,000	\$20,000	\$50,000				\$135,000
Construction	\$100,000	\$20,000	\$274,000				\$394,000
<b>Total</b>	<b>\$175,000</b>	<b>\$60,000</b>	<b>\$374,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$609,000</b>

**FY 2021/22 Budget Request - \$0**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2019	Jul 2019	Jun 2023	Aug 2019	Oct 2022	Oct 2020	Jun 2023	Jun 2023



## Capital Improvement Program Palos Vista Pump Station - Motor Starters Upgrade

**Description:** Upgrade four auto-transformer motor starters to solid state soft starters.



**Project Manager:** Dean Toth

**Department:** Mechanical/Electrical

**Project:** 2020100011

**Funding Source:** 100% Fund 110 – Water Replacement

**Comments:**

Replace four auto-transformer motor starters. Replacement is required due to wear from a long service life of over 25 years and a lack of support for replacement parts. New solid state soft starters will improve reliability and operating efficiency of electric motors.

**Operations Impact:** Routine maintenance.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$5,000						\$5,000
Design		\$30,000					\$30,000
Construction		\$482,000					\$482,000
<b>Total</b>	\$5,000	\$512,000	\$0	\$0	\$0	\$0	<b>\$517,000</b>

*FY 2021/22 Budget Request - \$109,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2019							Jun 2022

## Capital Improvement Program Las Posas Water Line Replacement

**Description:** Replace an existing 10-inch water line crossing underneath an existing double reinforced box culvert on Las Posas Road.



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 2018100004

**Funding Source:** 100% Fund 110 – Water Replacement

**Comments:** A 10-inch ductile iron (DIP) water main underneath a double reinforced box culvert (RBC) on Las Posas Road, between Linda Vista Drive and Stone Drive is aging and in need of replacement. It has experienced a break in recent years and control valves associated with this water main are non-operational. The replacement will involve installing a new parallel PVC water main in a steel casing and reconnecting to the existing asbestos-cement pipe (ACP) located on either side of the double RBC.

**Operations Impact:** Prevent future breaks. Routine maintenance.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$7,000						\$7,000
Design	\$10,000	\$78,000					\$88,000
Construction		\$408,000					\$408,000
<b>Total</b>	<b>\$17,000</b>	<b>\$486,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$503,000</b>

**FY 2021/22 Budget Request - \$196,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jun 2017	Jun 2018	Apr 2021	May 2021	Nov 2021	Jan 2022	May 2022	Jun 2022

## Capital Improvement Program MRF Headworks - Upgrade/Replace Equipment

**Description:** Replace existing channel grinders, frames, augers and control panels.



**Project Manager:** Ryan Morgan

**Department:** Mechanical/Electrical

**Project:** 2021100004

**Funding Source:** 100% Fund 210 – Sewer Replacement

**Comments:** Vallecitos staff evaluated the existing augers, grinders and flow conditions at the Meadowlark Reclamation Facility (MRF) Headworks and determined an update/upgrade to the existing equipment is necessary to satisfy current and future wastewater flow conditions at MRF. This project will replace the existing equipment to provide increased efficiency and reliability at the MRF Headworks.

**Operations Impact:** Routine maintenance.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$20,000						\$20,000
Design	\$10,000						\$10,000
Construction	\$425,000	\$20,000					\$445,000
<b>Total</b>	<b>\$455,000</b>	<b>\$20,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$475,000</b>

*FY 2021/22 Budget Request - \$35,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2020	Jul 2020	Sep 2020	Oct 2020	Jan 2021	Feb 2021	Aug 2021	Sep 2021

## Capital Improvement Program Coronado Hills Tank Exterior Refurbishment

**Description:** Coronado Hills Tank requires exterior refurbishment.



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 2021100005

**Funding Source:** 100% Fund 110 – Water Replacement

**Comments:** The existing exterior coating of the 2.6 million gallon (MG) tank has deteriorated and requires full refurbishment. As part of the refurbishment, some equipment upgrades may be necessary.

**Operations Impact:** Prevent further deterioration of the exterior coating and corrosion of the metal tank shell. Routine maintenance.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning		\$5,000					\$5,000
Design							
Construction			\$455,000				\$455,000
<b>Total</b>	\$0	\$5,000	\$455,000	\$0	\$0	\$0	<b>\$460,000</b>

*FY 2021/22 Budget Request - \$40,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2020	Jan 2022	Jun 2022	Jul 2022	Dec 2022	Jan 2023	Jun 2023	Jul 2023

## Capital Improvement Program Richland I Tank Exterior Refurbishment

**Description:** Richland I Tank requires exterior refurbishment.



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 2021100006

**Funding Source:** 100% Fund 110 – Water Replacement

**Comments:** The existing exterior coating of the 1.3 million gallon (MG) tank has deteriorated and requires full refurbishment. As part of the refurbishment, some equipment upgrades may be necessary.

**Operations Impact:** Prevent further deterioration of the exterior coating and corrosion of the metal tank shell. Routine maintenance.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning		\$5,000					\$5,000
Design		\$40,000					\$40,000
Construction			\$360,000				\$360,000
<b>Total</b>	\$0	\$45,000	\$360,000	\$0	\$0	\$0	<b>\$405,000</b>

*FY 2021/22 Budget Request - \$20,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021	Jul 2021	Dec 2021	Jan 2022	Jun 2022	Jul 2022	Jan 2023	Feb 2023

## Capital Improvement Program Technology Infrastructure Upgrades

**Description:** Replacement or upgrades of District technology infrastructure. Includes servers, networking equipment (wired/wireless), security appliances, and supporting infrastructure management solutions.



**Project Manager:** Matias Labarrere

**Department:** Information Technology

**Project:** 2020100023

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** Secure and reliable technical infrastructure is mission critical to District operations and service to the public. Serious disruptions or costly unplanned emergency repairs can occur if end-of-life/end-of-support systems are not upgraded or replaced in a timely manner, resulting in reduced productivity and service levels.

**Operations Impact:** Replacement of end-of-life equipment is necessary to ensure continuity of business operations.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction	\$220,000	\$130,000					\$350,000
<b>Total</b>	\$220,000	\$130,000	\$0	\$0	\$0	\$0	<b>\$350,000</b>

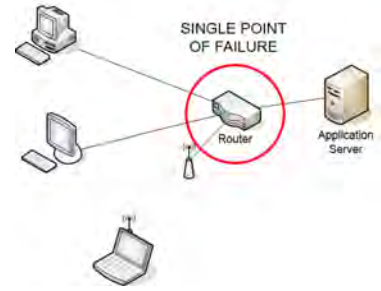
*FY 2021/22 Budget Request - \$130,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2019							Jun 2022

## Capital Improvement Program Redundancy for Admin. Wireless Radio Network

**Description:** The District provides network connectivity between facilities via wireless radio infrastructure. Additional redundancy of radio network is necessary in order to provide continuity of data communications between sites in the event of a radio failure.



**Project Manager:** Matias Labarrere

**Department:** Information Technology

**Project:** 2020100022

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** Upgrades to District Wireless Radio network. Additional radio stations are needed to support redundancy of data communications between the following district locations: Admin/Operations Buildings, Meadowlark Reclamation Facility, Twin Oaks Reservoir. Current Administrative Wireless radio architecture has a single point of failure - one fault or malfunction will cause the entire communications system to stop operating in the event of a single radio outage.

**Operations Impact:** Additional redundancy must be added to the Administrative radio network in order to provide continuity of data communications in the event of radio failures.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$45,000	\$19,000					\$64,000
Design		\$58,000					\$58,000
Construction		\$225,000					\$225,000
<b>Total</b>	\$45,000	\$302,000	\$0	\$0	\$0	\$0	<b>\$347,000</b>

*FY 2021/22 Budget Request - \$0*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2019							Jun 2022



## Capital Improvement Program Coggan Pump Station - Generator

**Description:** Install new permanent generator with automatic transfer switch.



**Project Manager:** Dean Toth

**Department:** Mechanical/Electrical

**Project:** 2021100008

**Funding Source:** 100% Fund 110 – Water Replacement

**Comments:** Coggan Pump Station has no permanent generator for emergency power. To insure reliability to this facility, an Air Pollution Control District (APCD) / California Air Resources Board (CARB) compliant generator will need to be installed at the station. Improvements will also include an automatic transfer switch, enclosure, concrete pad, and conduit.

**Operations Impact:** Provide reliability to the pump station in the event of a power failure. Routine maintenance.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design		\$35,000					\$35,000
Construction		\$290,000					\$290,000
<b>Total</b>	\$0	\$325,000	\$0	\$0	\$0	\$0	<b>\$325,000</b>

*FY 2021/22 Budget Request - \$40,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2020	Jul 2020	Jun 2021	Jul 2021	Jan 2022	Mar 2022	Jun 2022	Jun 2022

## Capital Improvement Program Rancheros Drive Sewer Replacement

**Description:** The project will include identifying alternative alignments, bypass pumping, and sewer replacement with District approved materials.



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 2021100007

**Funding Source:** 100% Fund 210 – Sewer Replacement

**Comments:** The Rancheros Drive sewer includes approximately 700-feet of corroded ductile iron pipe originally installed in 1972. Severe corrosion has compromised the structural integrity of the pipe wall and collections is no longer able to safely clean and maintain the sewer.

**Operations Impact:** Collections will have the ability to clean and maintain the Rancheros Drive Sewer upon completion of the project.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$2,000	\$5,000					\$7,000
Design		\$23,000					\$23,000
Construction			\$270,000				\$270,000
<b>Total</b>	\$2,000	\$28,000	\$270,000	\$0	\$0	\$0	<b>\$300,000</b>

**FY 2021/22 Budget Request - \$0**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Mar 2020	Jun 2021	Dec 2021	Jan 2022	Jun 2022	Jul 2022	Dec 2022	Jan 2023

## Capital Improvement Program Rock Springs Valve Replacement

**Description:** Replace the existing 12-inch and 14-inch valve cluster at Rock Springs Road and Bennet Avenue and associated piping. The valves are non-operational and the nearby pipeline has failed in recent years



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 2016100007

**Funding Source:** 100% Fund 110 – Water Replacement

**Comments:** This project will allow proper control of the water system and reduce the number of customers affected during a pipeline failure.

**Operations Impact:** The valves are non-operational. Operations and maintenance repair costs will be minimized at this location.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$7,000						\$7,000
Design		\$20,000					\$20,000
Construction			\$273,000				\$273,000
<b>Total</b>	\$7,000	\$20,000	\$273,000	\$0	\$0	\$0	<b>\$300,000</b>

**FY 2021/22 Budget Request - \$0**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2015	Jun 2018	Dec 2021	Jan 2022	Jun 2022	Jul 2022	Dec 2022	Jan 2023

## Capital Improvement Program Fire Services - Backflow Preventer Upgrades

**Description:** Replace single-check backflow prevention systems with double-check systems on fire services.



**Project Manager:** Kevin Anctil

**Department:** Construction

**Project:** 2017100005

**Funding Source:** 100% Fund 110 – Water Replacement

**Comments:** The District is responsible for several fire service backflow preventers in the distribution system that were installed prior to new District standards being adopted. The single-check backflow preventers that were installed are no longer an acceptable device and some have failed due to corrosion from being installed in an underground vault. The Construction department will replace 5 systems each year with an approved double-check backflow prevention system and bring the services above ground.

**Operations Impact:** Enhanced backflow prevention. Routine maintenance.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction	\$175,000	\$75,000					\$250,000
<b>Total</b>	\$175,000	\$75,000	\$0	\$0	\$0	\$0	<b>\$250,000</b>

**FY 2021/22 Budget Request - \$0**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2017							Jun 2022

### Capital Improvement Program Via Vera Cruz Tank Hill Stabilization

**Description:** A side slope adjacent to the Via Vera Cruz Tank requires slope stabilization treatment.



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 2016100014

**Funding Source:** 100% Fund 110 – Water Replacement

**Work Order:** 162901

**Comments:** A portion of the existing slope adjacent to the Via Vera Cruz Tank on District property is failing due to steep terrain and material composition. The foundation of a property line fence is being eroded and exposed and material washes down to the tank elevation. Routine clean-up of the area is done and falling rocks threaten to damage the tank. Phase 1 of the project installed a rigid barrier at the toe of slope along a portion of the perimeter to catch failing rocks. Phase 2 will apply a mesh or tensioned slope stabilization system to approximately 2200 square feet (SF) of steep slope to prevent further failures. Repairs to the property line fence will also be performed and landscaping repairs may be necessary.

**Operations Impact:** Reduced risk of damage to the tank from falling rocks. Eliminate clean-up of the area from debris. Maintain security of property with intact fence. Annual and routine monitoring of the slope.

#### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design	\$7,000			\$20,000			\$27,000
Construction	\$28,000				\$195,000		\$223,000
<b>Total</b>	<b>\$35,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$20,000</b>	<b>\$195,000</b>	<b>\$0</b>	<b>\$250,000</b>

**FY 2021/22 Budget Request - \$0**

#### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2015	Jan 2016	Mar 2016	Jul 2023	Jun 2024	Jul 2024	Dec 2024	Dec 2024

## Capital Improvement Program MRF - Odor Scrubber #1 Replacement

**Description:** Replace existing Odor Scrubber #1.



**Project Manager:** Dawn McDougale

**Department:** Meadowlark Reclamation Facility

**Project:** 2021100009

**Funding Source:** 100% Fund 210 – Sewer Replacement

**Comments:** Odor Scrubber #1 is over 10 years old and is showing signs of degradation. The components required to maintain reliable operation are in need of constant repair and maintenance. The odor scrubber is required to be in operation 24/7 in order to comply with the Air Pollution Control District's (APCD) permit. As the odor scrubber continues to age and degrade, compliance with the APCD regulations will be increasingly difficult to achieve. The odor scrubber reduces and/or eliminates odors from various plant processes that would otherwise be released to the atmosphere. The odor scrubber also reduces the corrosion effects of hydrogen sulfide gas and is a part of the District's efforts in maintaining good neighbor relations by abating offensive odors.

**Operations Impact:** A new odor scrubber will provide greater reliability for odor control and meet APCD permit requirements.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction	\$225,000	\$25,000					\$250,000
<b>Total</b>	\$225,000	\$25,000	\$0	\$0	\$0	\$0	<b>\$250,000</b>

*FY 2021/22 Budget Request - \$0*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2020							Jun 2021

## Capital Improvement Program DHS- Upgrades for Critical Infrastructure Hardware

**Description:** The Department of Homeland Security (DHS) performed an audit of the District Industrial Control System (ICS) Information Technology Network on 11/27-28/2018. As a result of the audit, several recommendations were provided to enhance system architecture on the Supervisory Control and Data Acquisition (SCADA) network. Initiatives contained within this CIP aim to strengthen the cybersecurity posture of the District's industrial control systems (ICS).



**Project Manager:** Matias Labarrere

**Department:** Information Technology

**Project:** 2020100012

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** As a core part of its mission to reduce risk to the Nation’s critical infrastructure (CI), Department of Homeland Security (DHS) National Cyber Assessments and Technical Services (NCATS) subject matter experts provide cybersecurity assessments to CI asset owners and operators to strengthen the cybersecurity posture of their industrial control systems (ICS). NCATS on behalf of the National Cybersecurity and Communications Integration Center (NCCIC) provides voluntary assessments based on standards, guidelines, and best practices. The assessment methodology provides a structured framework that asset owners and operators can leverage to evaluate and validate the cybersecurity of their ICS networks. The information gained from these reviews provided the District with additional understanding and context necessary to build effective defense-in-depth processes for enhancing our cybersecurity posture. The DHS team worked directly with the information technology (IT), operations technology (OT), and management staff at the VWD facilities to determine the overall cybersecurity posture of its ICS. DHS recommends physical isolation of the control systems network from the business network.

Hardware upgrades contained within this CIP are broken down in the following manner:

- Creation of an isolated system for SCADA/ICS - \$151,440
- Backup/Disaster Recovery of isolated SCADA/ICS system - \$80,260
- Remote Monitoring/Support - \$7,500

**Operations Impact:** Hardware upgrades contained within this CIP aim to strengthen the cybersecurity posture of the District's industrial control systems (ICS) per DHS recommendations.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$11,000	\$33,000					\$44,000
Design		\$44,000					\$44,000
Construction		\$151,000					\$151,000
<b>Total</b>	\$11,000	\$228,000	\$0	\$0	\$0	\$0	<b>\$239,000</b>

**FY 2021/22 Budget Request - \$0**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2019							Jun 2021



## Capital Improvement Program District Wide Solar

**Description:** The District entered into a power purchase agreement in November, 2019 to develop new solar sites which will ultimately reduce future energy costs. An independent third party will build, maintain, and operate the solar installations at no cost to the District. The PPA generates a reduced electric rate for 25 years resulting in net savings to the District with no capital contributions.



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 2020100014

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** The District entered into a power purchase agreement in November, 2019 to develop new solar sites which will ultimately reduce future energy costs at the following two locations:

1. Net Energy Metering at Lift Station No. 1
2. RES-BCT Project at Twin Oaks Reservoirs 1 & 2 Site

A Power Purchase Agreement (PPA) was established between an independent third party that will build, maintain and operate the solar installations at both sites over a period of 25 years. The PPA will provide a significantly reduced electric rate to select District meters over this term, resulting in a net savings to the District at no capital investment. The project is moving into construction, with both projects anticipated for completion in the winter of 2020.

**Operations Impact:** Savings in District's monthly payments to electrical utility over the lifetime of the PPA.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning	\$40,000						\$40,000
Design	\$25,000						\$25,000
Construction	\$100,000	\$5,000					\$105,000
<b>Total</b>	<b>\$165,000</b>	<b>\$5,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$170,000</b>

**FY 2021/22 Budget Request - \$65,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2019	Aug 2017	Nov 2019	Dec 2019	Jun 2020	Jul 2020	Jul 2021	Aug 2021

## Capital Improvement Program Door Access Control System Expansion -MRF & Mahr

**Description:** Access control for a total of thirty-nine (39) doors between Meadowlark Reclamation, Mahr, and Administrative facilities.



**Project Manager:** Matias Labarrere

**Department:** Information Technology

**Project:** 2020100016

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** There is a need to convert keyed locks at Meadowlark Reclamation, Mahr, and Administrative buildings to keyless entry and add them to our existing BlueWave access control system. This upgrade will allow dual access to doors through the use of a fob or a security code and will eliminate the need for keys at Meadowlark, Mahr, and Administrative buildings. This initiative will allow for improved control over access to VWD facilities while minimizing reliance on the management of physical keys.

Upgrades contained within this CIP are broken down in the following manner:

- Access Control upgrades for Administrative Building - \$30,000
- Access Control upgrades for Meadowlark and Mahr Facilities - \$110,000
- Re-Key of existing locks for Administrative Building - \$5,000
- Re-Key of existing locks for Meadowlark and Mahr Facilities- \$5,000

**Operations Impact:** Increased security, time savings, and eliminate the cost of replacing keys

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction	\$101,000	\$49,000					\$150,000
<b>Total</b>	\$101,000	\$49,000	\$0	\$0	\$0	\$0	<b>\$150,000</b>

**FY 2021/22 Budget Request - \$49,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2019							Jun 2022

## Capital Improvement Program Upgrades to Surveillance Video Management System

**Description:** Upgrades to existing Video Recording systems are required to obtain additional coverage, fidelity, and performance of the District's centralized recording system.



**Project Manager:** Matias Labarrere

**Department:** Information Technology

**Project:** 2020100026

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** Upgrades to the District's video recording systems have been recommended by the Department of Homeland Security (DHS). Long-range IR illuminators and additional cameras are recommended to provide additional coverage for dimly lit facilities. Current limitations of installed hardware adversely affect the quality of video recording during the night.

**Operations Impact:** Increased security, resiliency, and performance of existing video recording system.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning		\$50,000					\$50,000
Design		\$50,000					\$50,000
Construction		\$50,000					\$50,000
<b>Total</b>	\$0	\$150,000	\$0	\$0	\$0	\$0	<b>\$150,000</b>

*FY 2021/22 Budget Request - \$0*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2019							Jun 2022

## Capital Improvement Program HVAC Communication Upgrade

**Description:** Upgrade the District's HVAC control communication to an updated and user-friendly system. This will enable the District to control the HVAC system remotely, with non-proprietary restraints.



**Project Manager:** Steve Klein

**Department:** Maintenance Services

**Project:** 2020100015

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** The current HVAC system is 24 years old. The system routinely fails and finding technicians trained to work on the outdated systems is expensive and cumbersome. We are currently unable to remotely log in and troubleshoot any issues. This prevents staff from making any modifications to the system. Updating the communication system will allow staff better control and improve overall efficiency.

**Operations Impact:** Occasional HVAC service disruptions while the system is being upgraded.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning		\$3,000					\$3,000
Design		\$5,000					\$5,000
Construction		\$135,000					\$135,000
<b>Total</b>	\$0	\$143,000	\$0	\$0	\$0	\$0	<b>\$143,000</b>

*FY 2021/22 Budget Request - \$0*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2019							Jun 2022

## Capital Improvement Program Update Restrooms to ADA Compliance

**Description:** Remove and replace the existing counters, sinks, mirrors, and paint. Fire system lights will need to be installed in the restrooms for compliance.



**Project Manager:** Steve Klein

**Department:** Maintenance Services

**Project:** 2020100021

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** Several restrooms in the Administration building need new counters, sinks, mirrors, and paint. When quotes were solicited for these updates, we were informed certain locations were not ADA compliant. Two areas of concern are the Lobby and Engineering restrooms.

**Operations Impact:** Some restrooms will be unavailable while under construction.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning		\$2,000					\$2,000
Design		\$10,000					\$10,000
Construction		\$123,000					\$123,000
<b>Total</b>	\$0	\$135,000	\$0	\$0	\$0	\$0	<b>\$135,000</b>

**FY 2021/22 Budget Request - \$28,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2019							Jun 2022

### Capital Improvement Program City of San Marcos Joint Projects Relocate/Adjust

**Description:** This amount is set-aside to cover services rendered in conjunction with various City of San Marcos projects involving District infrastructure per the District/City of San Marcos Cost Sharing Agreement dated March 31, 2009. This includes District staff time involved in inspection and project management, as well as reimbursements to the City for District infrastructure relocations and adjustments.



**Project Manager:** James Gumpel

**Department:** Engineering

**Project:** 2021100013

**Funding Source:** See Below

**Comments:**

Miscellaneous relocations/adjustments resulting from City of San Marcos joint projects.

These projects are in conjunction with the City’s Capital Improvement Plan. Currently one project is proposed:

San Marcos Boulevard and Discovery Street

**Operations Impact:** Normal maintenance for infrastructure.

#### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction			\$81,000				\$81,000
<b>Total</b>	\$0	\$0	\$81,000	\$0	\$0	\$0	<b>\$81,000</b>

*FY 2021/22 Budget Request - \$11,000*

#### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2020						Jun 2022	Jul 2022

## Capital Improvement Program Encina Wastewater Authority Five Year Plan

**Description:** The District is a member agency of the Encina Wastewater Authority (EWA). The District shares in the cost of planned asset replacements and capital acquisitions.



**Project Manager:** Wes Owen

**Department:** Finance

**Project:** 2022100001

**Funding Source:** 100% Fund 210 – Sewer Replacement

**Comments:** These miscellaneous capital projects are budgeted each year

**Operations Impact:** No significant increase in costs or changes in efficiencies are anticipated from this project..

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$4,156,000	\$6,607,000	\$6,412,000	\$7,492,000	\$7,180,000	\$31,847,000
<b>Total</b>	\$0	\$4,156,000	\$6,607,000	\$6,412,000	\$7,492,000	\$7,180,000	<b>\$31,847,000</b>

**FY 2021/22 Budget Request - \$31,847,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2009						Jun 2026	Jun 2026



## Capital Improvement Program Camino de Amigos Sewer Replacement

**Description:** Replace approximately 3,200 feet of existing 8-inch gravity main in Camino de Amigos from Alga Road south to La Costa Meadows Drive with 12-inch diameter.



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 2022100002

**Funding Source:** 45% Fund 210 – Sewer Replacement  
55% Fund 220 – Sewer Capacity

**Comments:** Based on the 2018 Master Plan for Phase 3, the 8-inch gravity main along Camino de Amigos from Alga Road south to La Costa Meadows Drive will need to be upsized from 8-inch vitrified clay pipe (VCP) to 12-inch PVC pipeline. The 2018 Master Plan has identified this replacement project as SP-13.

**Operations Impact:** Annual and routine sewer pipeline maintenance.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning		\$40,000					\$40,000
Design			\$190,000				\$190,000
Construction			\$200,000	\$950,000			\$1,150,000
<b>Total</b>	\$0	\$40,000	\$390,000	\$950,000	\$0	\$0	<b>\$1,380,000</b>

**FY 2021/22 Budget Request - \$1,380,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021	Jul 2021	Jun 2022	Jul 2022	Apr 2023	May 2023	Nov 2023	Dec 2023

## Capital Improvement Program Sewer Lining and Rehab 2022

**Description:** The project consists of constructing approximately 9,900 feet of gravity sewer trenchless rehabilitation at locations throughout the District.



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 2022100003

**Funding Source:** 100% Fund 210 – Sewer Replacement

**Comments:** Gravity sewer line segments throughout the District totaling approximately 9,900 feet are in need of rehabilitation to restore structural integrity and flow capacity. These pipe sections have become compromised due to a combination of O&M deficiencies (age, pipe material type, ground settlement, grease deposits, root intrusion) and Structural Defects (cracks, voids, collapse). Significant costs will be accrued upon line failures if the sections of sewer pipeline are not rehabilitated. The project will utilize trenchless cured-in-place pipe (CIPP) liners, to rehabilitate the existing pipelines. To take advantage of volume pricing discounts and to solicit more competitive bids, multiple sewer pipe segments are grouped together in one bid package, rather than broken into smaller projects.

**Operations Impact:** Restored structural integrity and flow capacity and increased service life of sewer line sections.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning		\$5,000					\$5,000
Design		\$40,000					\$40,000
Construction			\$825,000				\$825,000
<b>Total</b>	\$0	\$45,000	\$825,000	\$0	\$0	\$0	<b>\$870,000</b>

**FY 2021/22 Budget Request - \$870,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021	Jul 2021	Dec 2021	Jan 2022	Jun 2022	Jul 2022	Dec 2022	Dec 2022

## Capital Improvement Program Maximo Mobility

**Description:** Develop a mobile enhancement to the CMMS Maximo Asset Management system.



**Project Manager:** Matias Labarrere

**Department:** Information Technology

**Project:** 2022100004

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** The District has implemented a computerized maintenance management system (CMMS) in IBM Maximo to track asset specifications, installation information, purchasing details and the work performed to maintain those assets. The standard Maximo system is designed to be used on a desktop computer in the office. The District desires to use the Maximo system in the field by staff to record maintenance activities as it occurs. An enhancement to the Maximo software will create a user interface suitable for use by field staff using tablet computers or smart phones. Many solutions exist to mobilize the Maximo system, building on top of the core system, which provide for simple-to-use data entry forms, allow for non-connected field use and also present the assets and work orders on a map, facilitating location identification for field use. This enhancement will bring about labor time savings, more accurate and timely data capture, and improve information access for staff as they are working in the field. This project will develop the requirements, business processes, key performance metrics, system design, implementation and user training.

**Operations Impact:** Enhance the usage of the CMMS by field crews, optimizing labor time, improving data capture, and providing information to field crews.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning		\$20,000	\$50,000				\$70,000
Design			\$100,000				\$100,000
Construction			\$100,000				\$100,000
<b>Total</b>	\$0	\$20,000	\$250,000	\$0	\$0	\$0	<b>\$270,000</b>

**FY 2021/22 Budget Request - \$270,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2023

## Capital Improvement Program Lake San Marcos Lift Station - Generator

**Description:** Replace existing generator with one sized appropriately for the station.



**Project Manager:** Dean Toth

**Department:** Mechanical/Electrical

**Project:** 2022100005

**Funding Source:** 100% Fund 210 – Sewer Replacement

**Comments:** The existing generator is not large enough to power the entire facility with three pumps running. We require all three pumps to run during heavy rain events in order to keep up with flow into the station. Having available backup power during a storm event is critical as this is usually when SDG&E power is unstable or becomes unavailable.

**Operations Impact:** Routine maintenance.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design		\$10,000					\$10,000
Construction		\$225,000					\$225,000
<b>Total</b>	\$0	\$235,000	\$0	\$0	\$0	\$0	<b>\$235,000</b>

**FY 2021/22 Budget Request - \$235,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021					Jul 2021	Jun 2022	Jun 2022

## Capital Improvement Program Energy Management Study

**Description:** The Energy Management Study is a wholistic approach to energy management for the District. Looking at how the District manages/operates (energy) at various sites and what can be done to reduce power consumption.



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 2022100006

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** The District entered into a power purchase agreement in November, 2019 to develop new solar sites which will ultimately reduce future energy costs at the following two locations:

1. Net Energy Metering at Lift Station No. 1
2. RES-BCT Project at Twin Oaks Reservoirs 1 & 2 Site

Additional SGIP grant funding opportunities through Tesla for multiple battery sites throughout the District are in design. The combination of District Wide Solar Power Purchase Agreement with the future energy storage capacity bandwidth at the District requires a comprehensive Energy Management Study. The Energy Management Study is a wholistic approach to energy management for the District. The study will investigate how the District manages/operates (energy) at various sites and what opportunities are available to reduce peak-use power consumption. Recommendations and usage thresholds will be provided to change/optimize electricity rates to save money while integrating a greater plan on how the District incorporates their various renewable resource assets.

**Operations Impact:** Determining optimal usage of District renewable energy assets to achieve long-term savings in District's monthly payments to electrical utility.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning		\$10,000					\$10,000
Design		\$220,000					\$220,000
Construction							
<b>Total</b>	\$0	\$230,000	\$0	\$0	\$0	\$0	<b>\$230,000</b>

**FY 2021/22 Budget Request - \$230,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021	Jul 2021	Oct 2021	Nov 2021	Mar 2022			Apr 2022

## Capital Improvement Program Reclaimed Pumps - Evaluation and Design

**Description:** Evaluate and construct piping for the backwash pumps to operate during low reclaimed flow periods.



**Project Manager:** Dawn McDougle

**Department:** Meadowlark Reclamation Facility

**Project:** 2022100007

**Funding Source:** 100% Fund 250 - Reclaimed

**Comments:** The large reclaimed pumps are used to pump tertiary treated water into the distribution system and Mahr Reservoir. During low demand periods, the reclaimed pumps cycle on and off throughout the day. This requires significant electrical power as well as adding wear to the pumping system. Next to the reclaimed pumps are two smaller backwash pumps that are used to pump reclaimed water for backwashing of the tertiary filters. If the pump curves of these two smaller pumps indicate they can be used to pump during low flow periods, then they could be tied into the header piping of the larger reclaimed pumps and be programmed to operate during low flow periods. This would reduce power consumption and maintenance costs.

**Operations Impact:** There will be some interruption to reclaimed effluent pumping during construction.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design		\$40,000					\$40,000
Construction			\$150,000				\$150,000
<b>Total</b>	\$0	\$40,000	\$150,000	\$0	\$0	\$0	<b>\$190,000</b>

**FY 2021/22 Budget Request - \$190,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2023

## Capital Improvement Program Meadowlark - Landscaping Improvements

**Description:** Design and installation of new landscaping at the Meadowlark Reclamation Facility.



**Project Manager:** Dawn McDougale

**Department:** Meadowlark Reclamation Facility

**Project:** 2022100008

**Funding Source:** 100% Fund 210 – Sewer Replacement

**Comments:** The landscaping at the Meadowlark Reclamation Facility needs to be improved using more drought tolerant plants. The existing landscaping at Meadowlark requires significant maintenance and in some areas the plants have not responded well to reclaimed water. The landscaping should focus on drought tolerant plants as well as the use of reclaimed water for irrigation. Meadowlark has several public tours each year. The landscaping should reflect the District's message to the public of the importance of low water usage landscaping.

**Operations Impact:** Reduced maintenance and water usage.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design		\$30,000					\$30,000
Construction			\$150,000				\$150,000
<b>Total</b>	\$0	\$30,000	\$150,000	\$0	\$0	\$0	<b>\$180,000</b>

**FY 2021/22 Budget Request - \$180,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2023



**Capital Improvement Program  
Maintenance Services Department - Offices**

**Description:** Create new supervisor and crew offices in the C Building.



**Project Manager:** Steve Klein

**Department:** Maintenance Services

**Project:** 2022100009

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** The recently created Maintenance Services department in the Operations & Maintenance division does not have an office space. This project will be to create office space for the supervisor and department staff in the C Building using an underutilized shop area.

**Operations Impact:** Improved work environment for the Maintenance Services department.

**Project Spending Plan**

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning		\$10,000					\$10,000
Design							
Construction		\$140,000					\$140,000
<b>Total</b>	\$0	\$150,000	\$0	\$0	\$0	\$0	<b>\$150,000</b>

*FY 2021/22 Budget Request - \$150,000*

**Estimated Project Timeline**

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022

## Capital Improvement Program Wulff Pressure Reducing Station

**Description:** This project will install a new pressure reducing station to allow water to be pumped from the High Point hydro-pneumatic pump station to the Wulff pressure zone.



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** 2022100010

**Funding Source:** 100% Fund 110 – Water Replacement

**Comments:** After the High Point residential development is completed to the south, an offsite waterline and pressure reducing station will be built to provide an additional source of water from the High Point/Palos Vista area. This provides additional redundancy to the VWD water system in this area. The offsite waterline construction is the developer’s responsibility. VWD will reimburse the developer for the construction of the PRS.

**Operations Impact:** The operation of Wulff Pump Station will be reduced after the installation of the proposed pressure reducing station. The new pressure reducing station will allow for a redundant water supply to the Wulff pressure zone.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design		\$15,000					\$15,000
Construction		\$125,000					\$125,000
<b>Total</b>	\$0	\$140,000	\$0	\$0	\$0	\$0	<b>\$140,000</b>

*FY 2021/22 Budget Request - \$140,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021	Aug 2021	Jun 2012	Jul 2021	Aug 2021	Sep 2021	Jun 2022	Jul 2022

## Capital Improvement Program Maximo - GIS interface

**Description:** Develop an interface to replicate data between the CMMS and GIS to ensure accurate and consistent asset information.



**Project Manager:** Matias Labarrere

**Department:** Information Technology

**Project:** 2022100011

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** The District has implemented a computerized maintenance management system (CMMS) in IBM Maximo to track asset specifications, installation information, purchasing details and the work performed to maintain those assets. The District also maintains asset information in the geographic information system (GIS) which primarily documents asset location and connectivity in the water and sewer systems with cartography and maps, using the ESRI GIS software. It also tracks asset specifications, maintenance information and installation dates. These two systems have unique, non-redundant purposes but share asset information and work together to form a complete, complementary Asset Management system. Currently, the common information is not synchronized so updates to one system do not occur in the other. Staff strive to maintain the information manually but this is not efficient. To keep the information on our assets accurate and consistent, these two systems must be interfaced so that replication of data is occurring. This project will develop the data rules, interface design and technology to interface these two asset systems.

**Operations Impact:** Integration between these two systems will improve asset tracking and reduce inaccurate data.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning		\$20,000	\$15,000				\$35,000
Design		\$20,000	\$15,000				\$35,000
Construction		\$35,000	\$15,000				\$50,000
<b>Total</b>	\$0	\$75,000	\$45,000	\$0	\$0	\$0	<b>\$120,000</b>

**FY 2021/22 Budget Request - \$120,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2023

## Capital Improvement Program District-wide Valve Replacement Program

**Description:** Replace broken or leaking valves throughout the District.



**Project Manager:** Kevin Anctil

**Department:** Construction

**Project:** 2022100012

**Funding Source:** 100% Fund 110 – Water Replacement

**Comments:** The valve crew has discovered many broken valves requiring replacement. This project is to replace 25 to 30 valves in the next fiscal year.

**Operations Impact:** Improved ability to isolate water mains with less impact to customers. Routine maintenance.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$100,000					\$100,000
<b>Total</b>	\$0	\$100,000	\$0	\$0	\$0	\$0	<b>\$100,000</b>

*FY 2021/22 Budget Request - \$100,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022

## Capital Improvement Program Fleet Maintenance - Hydraulic Lift Replacement

**Description:** Remove XL in-ground hydraulic lift and replace with a new one. Upgrade hydraulic hoses to correct size and rating.



**Project Manager:** Steve Klein

**Department:** Maintenance Services

**Project:** 2022100013

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** The District mechanics use a large hydraulic lift to raise our large and extra large equipment to perform maintenance and repairs. The existing lift has exceeded its useful life and is obsolete. Repair parts for this lift are no longer available and it needs to be replaced.

**Operations Impact:** The XL lift will be out of service during the replacement project. Some maintenance on large equipment may be delayed until the project is completed.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$80,000					\$80,000
<b>Total</b>	\$0	\$80,000	\$0	\$0	\$0	\$0	<b>\$80,000</b>

**FY 2021/22 Budget Request - \$80,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022

## Capital Improvement Program Safety Nets and Climbing System for Twin Oaks

**Description:** Installation of safety nets and updated climbing system at the Twin Oaks Reservoir #1.



**Project Manager:** Shawn Askine

**Department:** Water Operations

**Project:** 2022100014

**Funding Source:** 100% Fund 110 – Water Replacement

**Comments:** The Twin Oaks Reservoir hatches and climbing systems need to be upgraded to improve staff safety while performing maintenance and comply with OSHA regulations. Twin Oaks Reservoir #1 is scheduled for cleaning next fiscal year. Safety nets will be installed on all hatches and the underground vaults within the facility while the reservoir is offline for maintenance. The climbing system currently inside the reservoir will be replaced with the District's standard of the Self Retrieving Lifelines (SRLs) that have been installed at all steel tanks. This will allow staff to safely access the inside of the reservoir during cleaning operations.

**Operations Impact:** Improved safety during inspections and when entering the reservoir during cleaning operations.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$70,000					\$70,000
<b>Total</b>	\$0	\$70,000	\$0	\$0	\$0	\$0	<b>\$70,000</b>

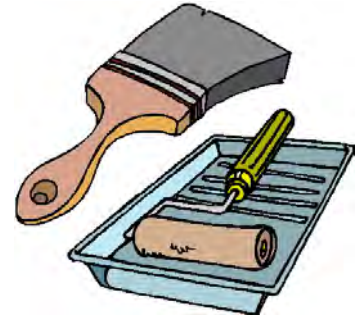
*FY 2021/22 Budget Request - \$70,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022

## Capital Improvement Program E Building - Minor Repairs and Painting

**Description:** Repair concrete and vents. Paint interior and exterior of the building and the emergency generator.



**Project Manager:** Steve Klein

**Department:** Maintenance Services

**Project:** 2022100015

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** The E Building houses the District's HVAC system for the Administration and O&M buildings. The concrete under the building vents is starting to crack and expose rebar. This can cause extensive damage to the walls if not repaired soon. The exterior metal surfaces of the building are showing signs of corrosion and need to be painted. The emergency generator for the headquarters facility is located next to the building and requires painting as well.

**Operations Impact:** The HVAC system may need to be shut down during some of the repairs.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$60,000					\$60,000
<b>Total</b>	\$0	\$60,000	\$0	\$0	\$0	\$0	<b>\$60,000</b>

**FY 2021/22 Budget Request - \$60,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022



## Capital Improvement Program Administration Building - Concrete Repairs

**Description:** Repair and replace damaged concrete and handrails at the front entrance to the Administration building.



**Project Manager:** Steve Klein

**Department:** Maintenance Services

**Project:** 2022100016

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** The stem walls on the front entrance of the Administration building are cracking and pieces are falling off. We need to remove the entire stem wall on each side of the walkway to make repairs. We also need to repair cracked concrete panels where the handrails are mounted. The handrails have corroded in a few places and will need to be replaced or repaired.

**Operations Impact:** Customer foot traffic will need to be diverted around the construction area. Construction noise may impact some employees.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design		\$5,000					\$5,000
Construction		\$50,000					\$50,000
<b>Total</b>	\$0	\$55,000	\$0	\$0	\$0	\$0	<b>\$55,000</b>

*FY 2021/22 Budget Request - \$55,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022

## Capital Improvement Program Meadowlark - Concrete and Asphalt Improvements

**Description:** Concrete and asphalt improvements needed at the Meadowlark Water Reclamation Facility.



**Project Manager:** Dawn McDougle

**Department:** Meadowlark Reclamation Facility

**Project:** 2022100017

**Funding Source:** 100% Fund 210 – Sewer Replacement

**Comments:** There are various concrete and asphalt modifications and repairs that need to be made at the Meadowlark Water Reclamation Facility. Some of the modifications needed are: 1) The front entrance to the Meadowlark Control Building is not ADA compliant. The wheelchair accessible ramp does not have wheelchair access leading up to the ramp and there is not enough space for a wheelchair to turn around. 2) A berm is needed at the top of the plant to keep rainwater from outside the District property from entering the plant storm water sampling location. Storm water currently enters the plant from the surrounding community, carrying debris that has a direct impact on the plant’s storm water sampling analysis. 3) A ramp is needed to allow access for the forklift to reach the secondary deck. The forklift access will allow Meadowlark staff to lift equipment and supplies to the secondary deck, reducing the potential for injury. 4) Various points around the plant need general concrete repair. 5) The rock area that used to be the site of the rotating biological contactors needs to be paved. This will allow maintenance vehicles to access the aeration deck, secondary deck and odor scrubber. It will also increase the staging area for future projects.

**Operations Impact:** Minimal impact to plant operations during construction.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$50,000					\$50,000
<b>Total</b>	\$0	\$50,000	\$0	\$0	\$0	\$0	<b>\$50,000</b>

**FY 2021/22 Budget Request - \$50,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022

## Capital Improvement Program Painting of Car Wash Building

**Description:** Painting and epoxy coating of the car wash building.



**Project Manager:** Steve Klein

**Department:** Maintenance Services

**Project:** 2022100018

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** The District's car wash needs to be coated with an epoxy paint to keep dirt and grease from sticking to the interior block wall. The metal structure is starting to show signs of corrosion and the exterior walls are peeling requiring minor repairs and painting.

**Operations Impact:** The car wash will be unavailable during this project.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$50,000					\$50,000
<b>Total</b>	\$0	\$50,000	\$0	\$0	\$0	\$0	<b>\$50,000</b>

*FY 2021/22 Budget Request - \$50,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022

## Capital Improvement Program Meadowlark Headworks - Sluice Gate Actuators

**Description:** Installation of electric actuators on the channel sluice gates.



**Project Manager:** Dawn McDougle

**Department:** Meadowlark Reclamation Facility

**Project:** 2022100019

**Funding Source:** 100% Fund 210 – Sewer Replacement

**Comments:** The two channels in the Meadowlark Reclamation Facility's Headworks Building have individual sluice gates to isolate each channel. The manual operation of the sluice gates is difficult and time consuming due to the long stem travel of the valves and the force of the influent flow against the gate. District maintenance staff recommends the implementation of a preventative maintenance program requiring rotation of the channels on a monthly basis. This maintenance program will allow equal run times for the grinders and augers in each channel, extending the life of the equipment. It typically takes two operators to rotate channels. Installing electric actuators on the sluice gates will reduce the hazards associated with operating the valves manually and require less staff time to rotate between channels.

**Operations Impact:** Improved procedures and safety.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$42,000					\$42,000
<b>Total</b>	\$0	\$42,000	\$0	\$0	\$0	\$0	<b>\$42,000</b>

**FY 2021/22 Budget Request - \$42,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022

## Capital Improvement Program Craven Pressure Station - Interior Refurbishment

**Description:** Coat the interior surfaces with Zebron's product and replace damaged electrical equipment.



**Project Manager:** Shawn Askine

**Department:** Water Operations

**Project:** 2022100020

**Funding Source:** 100% Fund 110 – Water Replacement

**Comments:** Craven Pressure Station needs to be refurbished on the interior of the vault. Water intrusion from the surrounding area has caused corrosion throughout the station. Coating the interior of the station will seal the walls and prevent further water damage. The electrical conduit, light fixtures and other electrical components will need to be removed prior to the coating application. The interior of the vault will be coated with a proprietary product made by Zebron. This product has been used successfully in other District vaults and sewer manholes. New electrical equipment and conduits will be installed after the coating has cured.

**Operations Impact:** Prevent water from entering the vault and causing damage.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$40,000					\$40,000
<b>Total</b>	\$0	\$40,000	\$0	\$0	\$0	\$0	<b>\$40,000</b>

**FY 2021/22 Budget Request - \$40,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022

### Capital Improvement Program Trussell FCF - Water Quality Analyzer

**Description:** Installation of an analyzer that will provide real-time water quality data via the District's SCADA system.



**Project Manager:** Shawn Askine

**Department:** Water Operations

**Project:** 2022100021

**Funding Source:** 100% Fund 110 – Water Replacement

**Comments:** Installation of a water quality analyzer at the Trussell Flow Control Facility (FCF) will give the Water Systems Operators the ability to monitor water quality continuously and provide real-time information concerning the water distribution system. Staff has been working with a vendor to develop a system for Vallecitos that measures chlorine residual and pH. The package includes a sample return pump. The analyzer does not use chemical reagents which allows the water to be returned to the distribution system. State regulations prohibit chlorinated water to be released to the storm drain. Returning the sample water to the distribution system keeps the District in compliance with discharge requirements and the recently enacted water conservation regulations.

**Operations Impact:** Continuous monitoring of water quality in the distribution system.

#### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$35,000					\$35,000
<b>Total</b>	\$0	\$35,000	\$0	\$0	\$0	\$0	<b>\$35,000</b>

*FY 2021/22 Budget Request - \$35,000*

#### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022

## Capital Improvement Program San Elijo Pump Station - Water Quality Analyzer

**Description:** Installation of an analyzer that will provide real-time water quality data via the District's SCADA system.



**Project Manager:** Shawn Askine

**Department:** Water Operations

**Project:** 2022100022

**Funding Source:** 100% Fund 110 – Water Replacement

**Comments:** Installation of a water quality analyzer at the San Elijo Pump Station will give the Water Systems Operators the ability to monitor water quality continuously and provide real-time information concerning the water distribution system. Staff has been working with a vendor to develop a system for Vallecitos that measures chlorine residual and pH. The package includes a sample return pump. The analyzer does not use chemical reagents which allows the water to be returned to the distribution system. State regulations prohibit chlorinated water to be released to the storm drain. Returning the sample water to the distribution system keeps the District in compliance with discharge requirements and the recently enacted water conservation regulations.

**Operations Impact:** Continuous monitoring of water quality in the distribution system.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$35,000					\$35,000
<b>Total</b>	\$0	\$35,000	\$0	\$0	\$0	\$0	<b>\$35,000</b>

*FY 2021/22 Budget Request - \$35,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022



## Capital Improvement Program Administration Building - Roof Repairs

**Description:** Repair leaks on the Administration building roof. Replace and paint damaged fascia boards.



**Project Manager:** Steve Klein

**Department:** Maintenance Services

**Project:** 2022100023

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** The roof has had multiple leaks in the past few years. There are additional leaks that need to be repaired. The roof also has some damaged fascia board that needs to be replaced. The damaged board will let water between it and the rafter tails which will also become damaged. These boards need to be replaced and painted to prevent further damage.

**Operations Impact:** Construction noise may impact some employees.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$34,000					\$34,000
<b>Total</b>	\$0	\$34,000	\$0	\$0	\$0	\$0	<b>\$34,000</b>

*FY 2021/22 Budget Request - \$34,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022

## Capital Improvement Program Palomar Tank: Asphalt Repair & Sealcoat

**Description:** Repair damaged areas and seal coat the asphalt at the Palomar Tank site. The asphalt has cracks, root damage and potholes. The asphalt patches will be completed and then the area will be seal coated to extend the life of the asphalt.



**Project Manager:** Kevin Anctil

**Department:** Construction

**Project:** 2022100024

**Funding Source:** 100% Fund 110 – Water Replacement

**Comments:** Repair asphalt and seal coat at Palomar Tank site.

**Operations Impact:** None

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$33,000					\$33,000
<b>Total</b>	\$0	\$33,000	\$0	\$0	\$0	\$0	<b>\$33,000</b>

**FY 2021/22 Budget Request - \$33,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022

## Capital Improvement Program Maximo 7.6.1.2 Upgrade

**Description:** Required Software upgrade for the District's computerized maintenance management system (CMMS) is required to ensure continued vendor support for District maintenance systems.



**Project Manager:** Matias Labarrere

**Department:** Information Technology

**Project:** 2022100025

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** The end of support and service for Maximo 7.6.0.x is September 2021. VWD must upgrade to 7.6.1.2 to stay in compliance and run a supported version of Maximo. TRM will upgrade Maximo from 7.6.0.9 to 7.6.1.2 in the Test and Production environments. The upgrade includes Maximo, BIRT (Business Intelligence and Reporting Tools) and TRM Rules Manager. In addition to performing the upgrade, TRM will help resolve issues found by VWD testing. It is the responsibility of VWD to perform application, workflow, RulesManager and interface testing.

**Operations Impact:** Replacement of end-of-life software is necessary to ensure continuity of business operations.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning		\$10,000					\$10,000
Design		\$10,000					\$10,000
Construction		\$10,000					\$10,000
<b>Total</b>	\$0	\$30,000	\$0	\$0	\$0	\$0	<b>\$30,000</b>

*FY 2021/22 Budget Request - \$30,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022

## Capital Improvement Program GEMS AB Suite 6.1 Upgrade

**Description:** A required Software upgrade to the District's Financial Information System (GEMS) is necessary to ensure continued vendor support for District Financial systems.



**Project Manager:** Matias Labarrere

**Department:** Information Technology

**Project:** 2022100026

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** The GEMS application runs on the AB Suite 5.0 Unisys platform. This platform reached end-of-life on December 31 2020. Harris ERP will continue to provide support for the GEMS application until VWD upgrades to AB Suite 6.1 in the first quarter of FY 21/22. There will be no additional Service Packs for AB Suite 5.0.

**Operations Impact:** Replacement of end-of-life software is necessary to ensure continuity of business operations.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning		\$10,000					\$10,000
Design		\$10,000					\$10,000
Construction		\$10,000					\$10,000
<b>Total</b>	\$0	\$30,000	\$0	\$0	\$0	\$0	<b>\$30,000</b>

*FY 2021/22 Budget Request - \$30,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022

## Capital Improvement Program Meadowlark - BOD Monitor

**Description:** Install BOD monitor to measure plant influent BOD to improve process control.



**Project Manager:** Dawn McDougle

**Department:** Meadowlark Reclamation Facility

**Project:** 2022100027

**Funding Source:** 100% Fund 210 – Sewer Replacement

**Comments:** The Meadowlark Water Reclamation Facility is in need of a BOD (Biochemical Oxygen Demand) monitor. Meadowlark will experience influent wastewater flows that have a high BOD concentration. District staff are often unable to react through plant adjustments until the BOD loading has made its way through the plant. With a BOD monitor located near the start of the reclamation process, any shifts in the incoming BOD can be monitored and processes proactively adjusted in real time.

**Operations Impact:** Improved plant operations.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$28,000					\$28,000
<b>Total</b>	\$0	\$28,000	\$0	\$0	\$0	\$0	<b>\$28,000</b>

**FY 2021/22 Budget Request - \$28,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jul 2022

## Capital Improvement Program Sodium Bisulfite Secondary Containment

**Description:** Install a secondary containment system for the sodium bisulfite chemical tank, pumps and piping system.



**Project Manager:** Dawn McDougle

**Department:** Meadowlark Reclamation Facility

**Project:** 2022100028

**Funding Source:** 100% Fund 250 - Reclaimed

**Comments:** The sodium bisulfite chemical tank, pumps and piping system require a secondary containment system. Sodium bisulfite is used for reclaimed water dechlorination after it has gone through the disinfection process. Without the secondary containment, a release of the chemical would flow along the curb and into the storm water wet well. The chemical would then be pumped into the waste backwash tank and recirculated through the plant process. A dedicated chemical containment system will capture any release before it could reach the road or storm water wet well. The system will allow for sensors to be placed inside the chemical containment barrier that will alert operators to a release.

**Operations Impact:** The sodium bisulfite secondary containment system will reduce safety hazards and contamination concerns associated with a potential release.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$25,000					\$25,000
<b>Total</b>	\$0	\$25,000	\$0	\$0	\$0	\$0	<b>\$25,000</b>

**FY 2021/22 Budget Request - \$25,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022

## Capital Improvement Program Mountain Belle Tank: Asphalt Repair & Sealcoat

**Description:** Repair damaged areas and seal coat the asphalt at the Mountain Belle Tank site. The asphalt has cracks, root damage, and potholes. The asphalt patches will be completed and then the area will be seal coated to extend the life of the asphalt.



**Project Manager:** Kevin Anctil

**Department:** Construction

**Project:** 2022100029

**Funding Source:** 100% Fund 110 – Water Replacement

**Comments:** Repair asphalt and seal coat Mountain Belle Tank site.

**Operations Impact:** None

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$21,000					\$21,000
<b>Total</b>	\$0	\$21,000	\$0	\$0	\$0	\$0	<b>\$21,000</b>

**FY 2021/22 Budget Request - \$21,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022



## Capital Improvement Program NeoGOV Applicant Tracking Software

**Description:** Implementation of NeoGOV HR software will assist with automating the hiring, onboarding, and performance evaluation process for employees.



**Project Manager:** Matias Labarrere

**Department:** Information Technology

**Project:** 2022100030

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** The Administrative Services Department has expressed an interest in digitizing the applicant tracking process. Currently, paper forms are used to track new hires throughout the onboarding process. Implementation of NEOGOV will allow the District to go paperless from initial job posting to end of the formal employee onboarding process.

Applicant Tracking Features:

- &bull; Email and hardcopy notifications
- &bull; EEO Data collection and reports
- &bull; Track applicants by step/hurdle
- &bull; Schedule written, oral, and other exams
- &bull; Candidate self-service portal for scheduling and application status

**Operations Impact:** Increased efficiency as a result of digitization of the applicant tracking process.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$21,000					\$21,000
<b>Total</b>	\$0	\$21,000	\$0	\$0	\$0	\$0	<b>\$21,000</b>

**FY 2021/22 Budget Request - \$21,000**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022

## Capital Improvement Program OpenGOV Digital Transparency and Reporting

**Description:** Implementation of an open data and financial transparency solution will provide the public with access to District financial data via an online portal.



**Project Manager:** Matias Labarrere

**Department:** Information Technology

**Project:** 2022100032

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** In an effort to provide additional transparency, the Finance Department would like to make Financial data sets available for public review/consumption. The OpenGOV platform will allow the District to publish financial data via online dashboards which can be shared with the public.

**Operations Impact:** Provision of financial data sets for public consumption will provide additional transparency of District Financial data.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$20,000					\$20,000
<b>Total</b>	\$0	\$20,000	\$0	\$0	\$0	\$0	<b>\$20,000</b>

*FY 2021/22 Budget Request - \$20,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022

## Capital Improvement Program District Headquarters - HVAC Repairs

**Description:** HVAC repairs and recirculating piping installation.



**Project Manager:** Steve Klein

**Department:** Maintenance Services

**Project:** 2022100031

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** The current HVAC system has been failing during cooler weather. A recirculation system needs to be installed to prevent this from occurring. There are other minor repairs that will be made to the system while it is offline.

**Operations Impact:** The HVAC system will be offline during this project.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$20,000					\$20,000
<b>Total</b>	\$0	\$20,000	\$0	\$0	\$0	\$0	<b>\$20,000</b>

*FY 2021/22 Budget Request - \$20,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022

## Capital Improvement Program Schoolhouse Pump Station - Roof Replacement

**Description:** Replacement of tile roofing materials with composite shingles.



**Project Manager:** Shawn Askine

**Department:** Water Operations

**Project:** 2022100033

**Funding Source:** 100% Fund 110 – Water Replacement

**Comments:** Schoolhouse Pump Station is in need of a full roof replacement. Several tiles on the roof are broken, resulting in significant leaks during rainy weather. The existing roofing material needs to be replaced with composite shingles to prevent damage during maintenance activities that require staff to walk on the roof.

**Operations Impact:** New roofing material will prevent leaks and require less maintenance.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$20,000					\$20,000
<b>Total</b>	\$0	\$20,000	\$0	\$0	\$0	\$0	<b>\$20,000</b>

*FY 2021/22 Budget Request - \$20,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022

## Capital Improvement Program Mahr Reservoir - Algae Monitoring

**Description:** Install and program algae probe on Mahr Reservoir's dock.



**Project Manager:** Dawn McDougle

**Department:** Meadowlark Reclamation Facility

**Project:** 2022100034

**Funding Source:** 100% Fund 250 - Reclaimed

**Comments:** The algae meter at Mahr Reservoir is obsolete and needs to be replaced with modern probe technology. The probe will be installed on Mahr's floating dock, eliminating the need for pumps that currently provide sample water to the existing algae meter located in the control building. Moving the meter to the dock will save electrical and maintenance costs.

**Operations Impact:** Reduced power and maintenance costs.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$18,000					\$18,000
<b>Total</b>	\$0	\$18,000	\$0	\$0	\$0	\$0	<b>\$18,000</b>

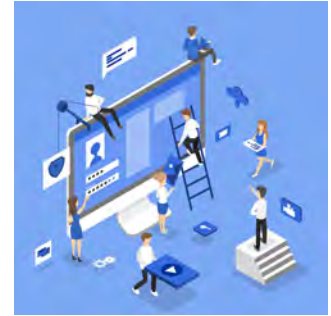
*FY 2021/22 Budget Request - \$18,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022

## Capital Improvement Program Website Redesign - VWD.ORG

**Description:** Website Redesign: ADA Enhancements for District Website



**Project Manager:** Matias Labarrere

**Department:** Information Technology

**Project:** 2022100035

**Funding Source:** 51% Fund 110 – Water Replacement  
49% Fund 210 - Sewer Replacement

**Comments:** A website redesign is recommended to ensure continued compliance with Americans with Disabilities Act (ADA) regulations. The District website will be converted to a 'mobile friendly' programming language which will provide a superior overall user experience for users visiting the website. All updates will be made in accordance with ADA Standards for Accessible Design.

**Operations Impact:** Updates will provide a superior user experience in addition to ensuring continued compliance with ADA regulations.

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$15,000					\$15,000
<b>Total</b>	\$0	\$15,000	\$0	\$0	\$0	\$0	<b>\$15,000</b>

*FY 2021/22 Budget Request - \$15,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022

## Capital Improvement Program N Twin Oaks #2 Tank: Asphalt Repair & Sealcoat

**Description:** Repair damaged areas and seal coat the asphalt at the North Twin Oaks #2 Tank site. The asphalt has cracks, root damage, and potholes. The asphalt patches will be completed and then the area will be seal coated to extend the life of the asphalt.



**Project Manager:** Kevin Anctil

**Department:** Construction

**Project:** 2022100036

**Funding Source:** 100% Fund 110 – Water Replacement

**Comments:** Repair asphalt and seal coat at North Twin Oaks #2 Tank site.

**Operations Impact:** None

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning							
Design							
Construction		\$12,000					\$12,000
<b>Total</b>	\$0	\$12,000	\$0	\$0	\$0	\$0	<b>\$12,000</b>

*FY 2021/22 Budget Request - \$12,000*

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
Jul 2021							Jun 2022



## Capital Improvement Program Future Projects

**Description:** This amount is set-aside to cover projects planned within the next five years with a start date later than the current fiscal year..



**Project Manager:** Ryan Morgan

**Department:** Engineering

**Project:** TBA

**Funding Source:** See Below

<u>Project:</u>	<u>Amount:</u>	<u>Source:</u>
Land Outfall Parallel Sewer Section A Phase 2	14,200,000	76% Fund 220 – Sewer Capacity, 24% Fund 210 – Sewer Replacement
El Norte Parkway Water Line Extension	4,100,000	100% Fund 110 – Water Replacement
San Marcos Boulevard West Sewer Replacement	4,100,000	55% Fund 220 – Sewer Capacity, 45% Fund 210 – Sewer Replacement
Tres-Amigos Water Line Replacement Phase II	3,850,000	100% Fund 110 – Water Replacement
Mountain Belle Pump Station	3,810,000	100% Fund 120 – Water Capacity
Coronado Hills Tank #2	3,600,000	100% Fund 120 – Water Capacity
Rees Road Water Line Relocation	2,300,000	100% Fund 110 – Water Replacement
Land Outfall Gravity Sewer Section B Replacement	1,820,000	20% Fund 220 - Sewer Capacity, 80% Fund 210 - Sewer Replacement
Deer Springs Tank No.2	1,400,000	43% Fund 120 – Water Capacity, 57% Fund 110 – Water Replacement
Schoolhouse Pump Station Expansion	500,000	32% Fund 120 – Water Capacity, 68% Fund 110 – Water Replacement
Mountain Belle Tank Exterior Refurbishment	455,000	100% Fund 110 – Water Replacement
Schoolhouse Water Line Improvements	300,000	36% Fund 120 – Water Capacity, 64% Fund 110 – Water Replacement
<b>Total</b>	<b>\$40,435,000</b>	

**Comments:** These projects are part of the District's capital budget beginning after fiscal year 2021-22.

**Operations Impact:** Normal Maintenance for infrastructure

### Project Spending Plan

Project Phase	Previous Spending	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26 & Thereafter	Total
Planning			\$5,000	\$350,000	\$200,000	\$250,000	\$805,000
Design			\$25,000	\$100,000	\$550,000	\$1,700,000	\$2,375,000
Construction				\$425,000	\$8,100,000	\$28,730,000	\$37,255,000
<b>Total</b>	\$0	\$0	\$30,000	\$875,000	\$8,850,000	\$30,680,000	<b>\$40,435,000</b>

**FY 2021/22 Budget Request - \$40,435,000.00**

### Estimated Project Timeline

Project Approval	Planning		Design		Construction		Completion
	Begin	End	Begin	End	Begin	End	
	Aug 2006	Jun 2026	Feb 2007	Jun 2027	Jul 2023	Jun 2028	Jun 2028

**VALLECITOS WATER DISTRICT**

**2021-22 CAPITAL BUDGET - EASEMENTS, VEHICLES & EQUIPMENT SCHEDULE**

<b>VEHICLES/MOBILE EQUIPMENT</b>							
Existing			New or	<u>Funding Source:</u>		Total	
Vehicle #	Description	Project #	Replacement	Water	Sewer	Cost	
<b>Water Operations:</b>							
233	F-150 XL 2WD SuperCab	2022100037	Replacement	43,000		43,000	
<b>Engineering Inspection:</b>							
209	2020 Ford F-150 4x4 SuperCab	2022100038	Replacement	23,000	22,000	45,000	
<b>Construction:</b>							
225	Kenworth T370 Truck with Service Body	2022100039	Replacement	117,400	112,600	230,000	
249	F-250 XL 4WD SuperCab	2022100040	Replacement	25,500	24,500	50,000	
245	Vacuum Excavator	2022100041	Replacement	84,200	80,800	165,000	
<b>Mechanical/Electrical:</b>							
	Fuel Transport Trailer for Generators	2022100042	New	11,700	11,300	23,000	
228	F-550 XL 2WD	2022100043	Replacement	33,200	31,800	\$ 65,000	
<b>TOTAL VEHICLES</b>						<b>\$ 621,000</b>	
<b>FACILITIES AND EQUIPMENT</b>							
Requesting			New or	<u>Funding Source:</u>		Total	
Dept.	Description	Project #	Replacement	Water	Sewer	Cost	
<b>Mechanical/Electrical:</b>							
	Main Breaker for Palos Vista Pump Station	2022100044	Replacement	15,000		15,000	
<b>Collections:</b>							
	Sewer Flow Meter	2022100045	Replacement		14,000	14,000	
<b>Meadowlark Facility:</b>							
	Caustic Storage Tank with Restraints & Fittings	2022100046	New		12,000	\$ 12,000	
<b>TOTAL FACILITIES AND EQUIPMENT</b>						<b>\$ 41,000</b>	
<b>VEHICLES &amp; EQUIPMENT TOTAL</b>						<b>\$ 662,000</b>	

**VALLECITOS WATER DISTRICT**

**DEBT SERVICE BUDGET FOR THE YEAR ENDING JUNE 30, 2022**

	Water		Wastewater		Total
	Replacement	Capacity	Replacement	Capacity	
<b>2015 Refunding <sup>(1)</sup></b>					
Outstanding principal as of July 1, 2021 <sup>(2)</sup>	\$ -	\$ 20,005,500	\$ -	\$ 19,259,500	\$ 39,265,000
2021/22 Principal Payments	-	(1,194,780)	-	(1,150,220)	(2,345,000)
Outstanding principal as of July 1, 2022	<u>\$ -</u>	<u>\$ 18,810,720</u>	<u>\$ -</u>	<u>\$ 18,109,280</u>	<u>\$ 36,920,000</u>
<b>2008 Private Placement <sup>(3)</sup></b>					
Outstanding principal as of July 1, 2021	\$ -	\$ -	\$ -	\$ 3,000,000	\$ 3,000,000
2021/22 Principal Payments	-	-	-	(400,000)	(400,000)
Outstanding principal as of June 30, 2022	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 2,600,000</u>	<u>\$ 2,600,000</u>
<b>2012 Debt <sup>(4)</sup></b>					
Outstanding principal as of July 1, 2021	\$ -	\$ -	\$ -	\$ 1,527,000	\$ 1,527,000
2021/22 Principal Payments	-	-	-	(755,000)	(755,000)
Outstanding principal as of June 30, 2022	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 772,000</u>	<u>\$ 772,000</u>
<b>2021 Bonds <sup>(5)</sup></b>					
Proceeds used to fund previously unreimbursed costs	\$ -	\$ 8,419,000	\$ -	\$ 12,588,000	\$ 21,007,000
Proceeds used to fund projected spending	\$ -	\$ 2,913,000	\$ -	\$ 4,080,000	\$ 6,993,000
Cost of issuance (estimated)	\$ -	\$ 91,000	\$ -	\$ 134,000	\$ 225,000
Outstanding proceeds as of June 30, 2022	<u>\$ -</u>	<u>\$ 11,423,000</u>	<u>\$ -</u>	<u>\$ 16,802,000</u>	<u>\$ 28,225,000</u>
<b>2021/22 Debt Service Budget</b>					
2015 Revenue Refunding principal	\$ -	\$ 1,194,780	\$ -	\$ 1,150,220	\$ 2,345,000
2015 Revenue Refunding interest	-	943,590	-	908,410	1,852,000
2008 Private Placement - principal	-	-	-	400,000	400,000
2008 Private Placement - interest	-	-	-	6,000	6,000
2012 Debt - principal	-	-	-	755,000	755,000
2012 Debt - interest	-	-	-	23,000	23,000
Total 2021/22 Debt Service Budget	<u>\$ -</u>	<u>\$ 2,138,370</u>	<u>\$ -</u>	<u>\$ 3,242,630</u>	<u>\$ 5,381,000</u>
<b>Projected Debt Service Coverage Ratio <sup>(6)</sup></b>					395%
Excluding Capital Facility Fees					259%
Excluding Capital Facility Fees and Property Tax					172%
Days of Operating Expenses in Unrestricted Cash and Investments					578

<sup>(1)</sup> The District issued Refunding Revenue Bonds on July 1, 2015, to prepay a portion of the previously outstanding COPS Series 2005A. The bonds have a 5% interest rate over the 20-year term.

<sup>(2)</sup> The 21/22 principal payment on the refunding bonds is due to bondholders on July 1, 2021. The District is obligated to transfer the payment before June 30, 2021, to a restricted account maintained by the Trustee, and, therefore, was deducted from the projected July 1, 2021 balance presented in the Reserve Budget.

<sup>(3)</sup> The District and Union Bank of California executed an \$8 million 20-Year tax-exempt private placement with variable rate interest tied to the LIBOR. The District has the option of changing the LIBOR term. The current term is six months. The current rate is 0.2028%. The proceeds partially restored a deficit balance in the restricted wastewater capacity fund from cash funding construction of the Encina Wastewater Authority Phase V expansion.

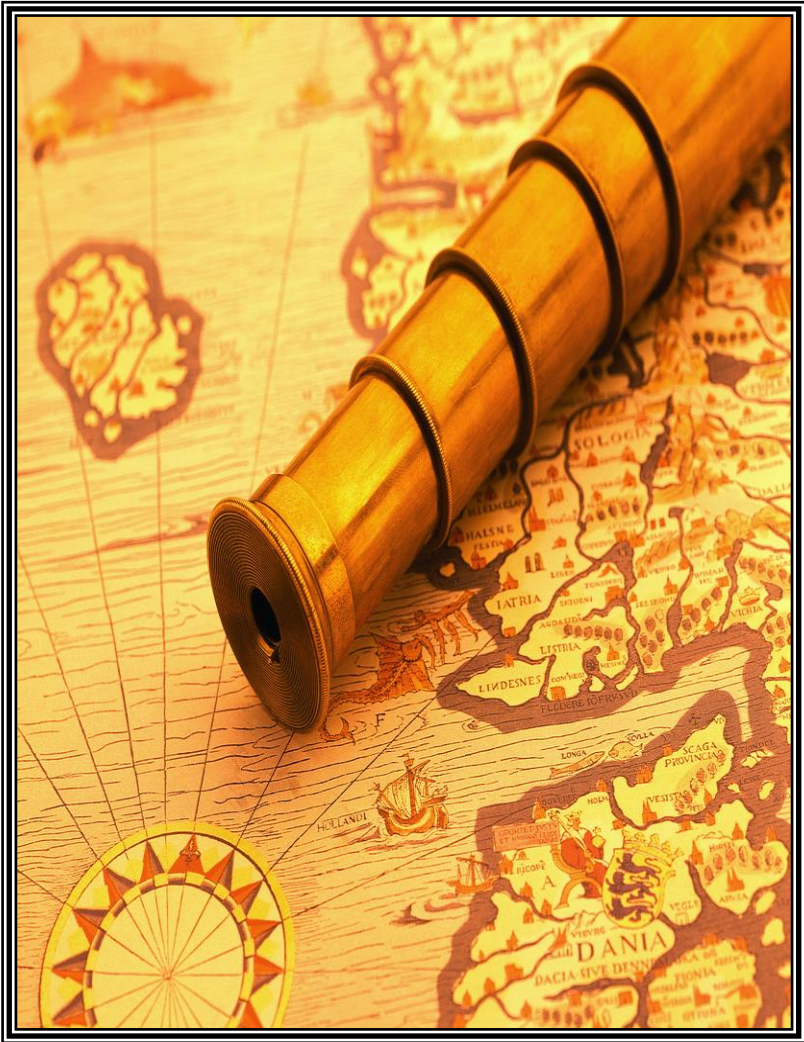
<sup>(4)</sup> The District issued bonds on December 21, 2012, to fund the increased capacity portions of San Marcos Interceptor and Linda Vista Sewer projects. The bonds have a 1.98% interest rate over the 10-year term.

<sup>(5)</sup> The District anticipates issuing bonds which will settle in August 2021 to fund capital projects in the amount of \$28 million. A portion of the proceeds will be used to fund replacement projects and will subsequently be transferred to the capacity fund along with the responsibility for the debt service. Terms are currently being negotiated and are estimated to be a fixed 2.98% interest rate over a 30-year term.

<sup>(6)</sup> Per the 2015 Refunding Revenue Bonds official statement, the District is required to maintain a debt service coverage ratio of 1.15. Debt service coverage ratios are presented above inclusive and exclusive of capital facilities fees to demonstrate the District's ability to cover debt service above the required minimum. Capital facility fees are included in the official statement's definition of "Net Revenues".

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# 2020-21 LONG-RANGE PLANNING



**VALLECITOS WATER DISTRICT**

RESERVE PROJECTION FOR THE YEAR ENDING JUNE 30, 2022

	110	Water	120	210	Wastewater	220	Total
	Replacement		Capacity	Replacement		Capacity	
Projected July 1, 2021 Balance	\$ 41,507,000		\$ (8,419,000)	\$ 59,382,000		\$ (11,411,000)	\$ 81,059,000
Revenues							
Operating Transfers	925,000		-	7,283,000		-	8,208,000
Capital Facility Fees	-		2,320,000	-		5,000,000	7,320,000
Debt Proceeds	2,913,000		-	18,874,000		6,213,000	28,000,000
Interfund Transfer	-		11,332,000	-		10,455,000	21,787,000
Property Tax	1,254,000		-	1,002,000		-	2,256,000
RDA pass-through	1,200,000		-	1,200,000		-	2,400,000
Project Reimbursements	-		-	86,000		26,000	112,000
Investment Earnings	466,000		(32,000)	663,000		(33,000)	1,064,000
Available Balance	48,265,000		5,201,000	88,490,000		10,250,000	152,206,000
Less 21/22 Expenditures							
Encina Wastewater Authority Five Year Plan	-		-	4,156,000		-	4,156,000
16-Inch Emergency Bypass Pipeline Rehabilitation	-		-	3,000,000		-	3,000,000
Meadowlark Failsafe Rehabilitation (Buena Reach)	-		-	2,860,000		-	2,860,000
Tres-Amigos Water Line Replacement Phase 1	1,405,000		-	-		-	1,405,000
Encina Wastewater Authority FY 20/21	-		-	1,375,000		-	1,375,000
Montiel Lift Station and Forcemain Replacement	-		-	642,600		617,400	1,260,000
Sage Canyon Tank Refurbishment	1,125,000		-	-		-	1,125,000
City of San Marcos Creek District Phase 1	760,500		-	253,500		-	1,014,000
MRF - Biological Selector Improvements	-		-	1,000,000		-	1,000,000
Vehicles	338,000		-	283,000		-	621,000
MRF - Tertiary Structural Rehab and Repairs	-		-	620,000		-	620,000
District-wide SCADA Upgrade Project	280,500		-	269,500		-	550,000
Palos Vista Pump Station - Motor Starters Upgrade	512,000		-	-		-	512,000
Las Posas Water Line Replacement	486,000		-	-		-	486,000
Land Outfall Parallel Sewer Section A Phase 1	-		-	96,000		304,000	400,000
MRF Direct Potable Reuse	-		-	340,000		-	340,000
Coggan Pump Station - Generator	325,000		-	-		-	325,000
Asset Management Replacement Schedule	160,000		-	160,000		-	320,000
Redundancy for Admin. Wireless Radio Network	154,020		-	147,980		-	302,000
Ductile Iron Pipe Condition Assessment	300,000		-	-		-	300,000
Chlorine Contact Tank Expansion	-		-	292,000		-	292,000
MRF: Conversion to Sodium Hypochlorite	-		-	270,000		-	270,000
Steel Pipeline Condition Assessment	250,000		-	-		-	250,000
Lake San Marcos Lift Station - Generator	-		-	235,000		-	235,000
Energy Management Study	117,300		-	112,700		-	230,000
DHS- Upgrades for Critical Infrastructure Hardware	116,280		-	111,720		-	228,000
San Marcos Interceptor Phase 2	-		-	44,950		110,050	155,000
Maintenance Services Department - Offices	76,500		-	73,500		-	150,000
Upgrades to Surveillance Video Management System	76,500		-	73,500		-	150,000
HVAC Communication Upgrade	72,930		-	70,070		-	143,000
Wulff Pressure Reducing Station	140,000		-	-		-	140,000
Update Restrooms to ADA Compliance	68,850		-	66,150		-	135,000
Technology Infrastructure Upgrades	66,300		-	63,700		-	130,000
District-wide Valve Replacement Program	100,000		-	-		-	100,000
Fleet Maintenance - Hydraulic Lift Replacement	40,800		-	39,200		-	80,000
Maximo - GIS interface	38,250		-	36,750		-	75,000
Fire Services - Backflow Preventer Upgrades	75,000		-	-		-	75,000
Miscellaneous Projects	559,590		-	724,410		23,000	1,307,000
Interfund Transfer	2,913,000		-	18,874,000		-	21,787,000
Fund PERS UAL	1,557,000		-	1,038,000		-	2,595,000
Debt Service - 2012 Debt	-		-	-		778,000	778,000
Debt Service - 2008 Loan	-		-	-		406,000	406,000
Debt Service - 2015 Refunding	-		2,138,000	-		2,059,000	4,197,000
Less Total Expenditures	12,114,310		2,138,000	37,329,240		4,297,450	55,879,000
Projected June 30, 2022 Balance	36,150,690		3,063,000	51,160,760		5,952,550	\$ 96,327,000
Less Operating Reserves	6,375,900		-	6,791,700		-	13,167,600
Projected replacement reserve/restricted funds	\$ 29,774,790		\$ 3,063,000	\$ 44,369,060		\$ 5,952,550	\$ 83,159,400
Adopted replacement reserve floor	\$ 10,394,000			\$ 20,006,200			
Adopted replacement reserve ceiling	\$ 40,281,800			\$ 63,574,100			

See significant <sup>237</sup> additions on page 122

**VALLECITOS WATER DISTRICT**

**RESERVE PROJECTION FOR THE YEAR ENDING JUNE 30, 2023**

	110	Water	120	210	Wastewater	220	
	<u>Replacement</u>		<u>Capacity</u>	<u>Replacement</u>		<u>Capacity</u>	<u>Total</u>
Projected July 1, 2022 Balance	\$ 36,150,690		\$ 3,063,000	\$ 51,160,760		\$ 5,952,550	\$ 96,327,000
Revenues							
Operating Transfers	709,000		-	7,506,000		-	8,215,000
Capital Facility Fees	-		2,523,000	-		4,880,000	7,403,000
Project Reimbursements				1,656,000			1,656,000
Property Tax	1,281,000		-	1,024,000		-	2,305,000
RDA pass-through	1,261,000		-	1,211,000		-	2,472,000
Investment Earnings	422,000		36,000	573,000		62,000	1,093,000
Available Balance	<u>39,823,690</u>		<u>5,622,000</u>	<u>63,130,760</u>		<u>10,894,550</u>	<u>119,471,000</u>
Less 22/23 Expenditures							
Encina Wastewater Authority Five Year Plan	-		-	6,607,000		-	6,607,000
Chlorine Contact Tank Expansion	-		-	4,360,000		-	4,360,000
Montiel Lift Station and Forcemain Replacement	-		-	1,807,950		1,737,050	3,545,000
City of San Marcos Creek District Phase 1	1,855,500		-	618,500		-	2,474,000
MRF: Conversion to Sodium Hypochlorite	-		-	1,550,000		-	1,550,000
Tres-Amigos Water Line Replacement Phase 1	1,455,000		-	-		-	1,455,000
Richland Invert Replacement	-		-	850,000		-	850,000
Sewer Lining and Rehab 2022	-		-	825,000		-	825,000
Land Outfall Parallel Sewer Section A Phase 1	-		-	144,000		456,000	600,000
Coronado Hills Tank Exterior Refurbishment	455,000		-	-		-	455,000
Camino de Amigos Sewer Replacement	-		-	175,500		214,500	390,000
Land Outfall West Condition Assessment	-		-	374,000		-	374,000
Richland I Tank Exterior Refurbishment	360,000		-	-		-	360,000
Ductile Iron Pipe Condition Assessment	300,000		-	-		-	300,000
MRF Direct Potable Reuse	-		-	300,000		-	300,000
Rock Springs Valve Replacement	273,000		-	-		-	273,000
Rancheros Drive Sewer Replacement	-		-	270,000		-	270,000
Steel Pipeline Condition Assessment	250,000		-	-		-	250,000
Maximo Mobility	127,500		-	122,500		-	250,000
Asset Management Replacement Schedule	97,000		-	97,000		-	194,000
Meadowlark - Landscaping Improvements	-		-	150,000		-	150,000
Reclaimed Pumps - Evaluation and Design	-		-	150,000		-	150,000
Miscellaneous Projects	113,700		-	54,300		3,000	171,000
Vehicles and Equipment	332,000		-	318,000		-	650,000
Debt Service - 2012 Debt	-		-	-		780,000	780,000
Debt Service - 2008 Loan	-		-	-		406,000	406,000
Debt Service - 2021 Bonds	-		574,000	-		845,000	1,419,000
Debt Service - 2015 Refunding	-		<u>2,139,400</u>	-		<u>2,059,600</u>	<u>4,199,000</u>
Less Total Expenditures	<u>5,618,700</u>		<u>2,713,400</u>	<u>18,773,750</u>		<u>6,501,150</u>	<u>33,607,000</u>
Projected June 30, 2023 Balance	34,204,990		2,908,600	44,357,010		4,393,400	<b>\$ 85,864,000</b>
Less Operating Reserves	<u>6,645,200</u>		<u>-</u>	<u>6,916,000</u>		<u>-</u>	<u>13,561,200</u>
Projected replacement reserve/restricted funds	<u>\$ 27,559,790</u>		<u>\$ 2,908,600</u>	<u>\$ 37,441,010</u>		<u>\$ 4,393,400</u>	<u>\$ 72,302,800</u>
Adopted replacement reserve floor	<u>\$ 11,005,900</u>			<u>\$ 20,838,600</u>			
Adopted replacement reserve ceiling	<u>\$ 42,470,400</u>			<u>\$ 67,012,900</u>			

<i>Debt service coverage</i>	316%
<i>Debt service coverage without cap fees</i>	207%
<i>Debt service coverage without cap fees or property tax &amp; RDA</i>	137%
<i>Days of Operating Expenses in Unrestricted Cash and Investments</i>	494

See significant assumptions on page 122



**VALLECITOS WATER DISTRICT**

**RESERVE PROJECTION FOR THE YEAR ENDING JUNE 30, 2024**

	110	Water	120	210	Wastewater	220	
	<u>Replacement</u>		<u>Capacity</u>	<u>Replacement</u>		<u>Capacity</u>	<u>Total</u>
Projected July 1, 2023 Balance	\$ 34,204,990		\$ 2,908,600	\$ 44,357,010		\$ 4,393,400	\$ 85,864,000
Revenues							
Operating Transfers	539,000		-	7,722,000		-	8,261,000
Capital Facility Fees	-		2,365,000	-		4,231,000	6,596,000
Property Tax	1,309,000		-	1,046,000		-	2,355,000
RDA pass-through	1,298,000		-	1,248,000		-	2,546,000
Investment Earnings	422,000		33,000	540,000		35,000	1,030,000
Available Balance	<u>37,772,990</u>		<u>5,306,600</u>	<u>54,913,010</u>		<u>8,659,400</u>	<u>106,652,000</u>
Less 23/24 Expenditures							
Encina Wastewater Authority Five Year Plan	-		-	6,412,000		-	6,412,000
Land Outfall Parallel Sewer Section A Phase 1	-		-	1,008,000		3,192,000	4,200,000
Camino de Amigos Sewer Replacement	-		-	427,500		522,500	950,000
Future Projects	575,000		-	114,000		186,000	875,000
Richland Invert Replacement	-		-	610,000		-	610,000
Land Outfall Gravity Sewer Sec D Phs 1	-		-	348,000		87,000	435,000
Steel Pipeline Condition Assessment	355,000		-	-		-	355,000
Ductile Iron Pipe Condition Assessment	300,000		-	-		-	300,000
Via Vera Cruz Tank Hill Stabilization	20,000		-	-		-	20,000
Vehicles and Equipment	332,000		-	318,000		-	650,000
Debt Service - 2008 Loan	-		-	-		405,000	405,000
Debt Service - 2021 Bonds	-		574,000	-		845,000	1,419,000
Debt Service - 2015 Refunding	-		2,140,000	-		2,061,000	4,201,000
Less Total Expenditures	<u>1,582,000</u>		<u>2,714,000</u>	<u>9,237,500</u>		<u>7,298,500</u>	<u>20,832,000</u>
Projected June 30, 2024 Balance	36,190,990		2,592,600	45,675,510		1,360,900	<b>\$ 85,820,000</b>
Less Operating Reserves	<u>6,921,400</u>		<u>-</u>	<u>7,030,400</u>		<u>-</u>	<u>13,951,800</u>
Projected replacement reserve/restricted funds	<u>\$ 29,269,590</u>		<u>\$ 2,592,600</u>	<u>\$ 38,645,110</u>		<u>\$ 1,360,900</u>	<u>\$ 71,868,200</u>
Adopted replacement reserve floor	<u>\$ 11,189,700</u>			<u>\$ 21,788,500</u>			
Adopted replacement reserve ceiling	<u>\$ 43,446,400</u>			<u>\$ 70,259,200</u>			

<i>Debt service coverage</i>	345%
<i>Debt service coverage without cap fees</i>	236%
<i>Debt service coverage without cap fees or property tax &amp; RDA</i>	154%
<i>Days of Operating Expenses in Unrestricted Cash and Investments</i>	477

See significant assumptions on page 122

**VALLECITOS WATER DISTRICT**

**RESERVE PROJECTION FOR THE YEARS ENDING JUNE 30, 2025**

	110	Water	120	210	Wastewater	220	
	<u>Replacement</u>		<u>Capacity</u>	<u>Replacement</u>		<u>Capacity</u>	<u>Total</u>
Projected July 1, 2024 Balance	\$ 36,190,990		\$ 2,592,600	\$ 45,675,510		\$ 1,360,900	\$ 85,820,000
Revenues							
Operating Transfers	296,000		-	7,788,000		-	8,084,000
Capital Facility Fees	-		2,366,000	-		4,234,000	6,600,000
Property Tax	1,337,000		-	1,068,000		-	2,405,000
RDA pass-through	1,337,000		-	1,285,000		-	2,622,000
Debt Proceeds	-		-	-		11,967,500	11,967,500
Project Reimbursements	-		-	226,000		57,000	283,000
Investment Earnings	435,000		29,000	524,000		32,000	1,020,000
Available Balance	<u>39,595,990</u>		<u>4,987,600</u>	<u>56,566,510</u>		<u>17,651,400</u>	<u>118,801,500</u>
Less 24/25 Expenditures							
Future Projects	2,400,000		-	1,621,500		4,828,500	8,850,000
Encina Wastewater Authority Five Year Plan	-		-	7,492,000		-	7,492,000
Land Outfall Parallel Sewer Section A Phase 1	-		-	1,440,000		4,560,000	6,000,000
Land Outfall Gravity Sewer Sec D Phs 1	-		-	4,000,000		1,000,000	5,000,000
Ductile Iron Pipe Condition Assessment	300,000		-	-		-	300,000
Via Vera Cruz Tank Hill Stabilization	195,000		-	-		-	195,000
Vehicles and Equipment	332,000		-	318,000		-	650,000
Debt Service - 2008 Loan	-		-	-		404,000	404,000
Debt Service - 2021 Bonds	-		574,000	-		845,000	1,419,000
Debt Service - 2015 Refunding	-		2,141,000	-		2,061,000	4,202,000
Less Total Expenditures	<u>3,227,000</u>		<u>2,715,000</u>	<u>14,871,500</u>		<u>13,698,500</u>	<u>34,512,000</u>
Projected June 30, 2025 Balance	36,368,990		2,272,600	41,695,010		3,952,900	<b>\$ 84,289,500</b>
Less Operating Reserves	<u>7,307,500</u>		<u>-</u>	<u>7,252,800</u>		<u>-</u>	<u>14,560,300</u>
Projected replacement reserve/restricted funds	<u>\$ 29,061,490</u>		<u>\$ 2,272,600</u>	<u>\$ 34,442,210</u>		<u>\$ 3,952,900</u>	<u>\$ 69,729,200</u>
Adopted replacement reserve floor	<u>\$ 12,032,500</u>			<u>\$ 24,174,900</u>			
Adopted replacement reserve ceiling	<u>\$ 44,595,300</u>			<u>\$ 73,632,300</u>			

<i>Debt service coverage</i>	344%
<i>Debt service coverage without cap fees</i>	235%
<i>Debt service coverage without cap fees or property tax &amp; RDA</i>	151%
<i>Days of Operating Expenses in Unrestricted Cash and Investments</i>	450

See significant assumptions on page 122

**VALLECITOS WATER DISTRICT**

**RESERVE PROJECTION FOR THE YEAR ENDING JUNE 30, 2026**

	110	Water	120	210	Wastewater	220	
	<u>Replacement</u>		<u>Capacity</u>	<u>Replacement</u>		<u>Capacity</u>	<u>Total</u>
Projected July 1, 2025 Balance	\$ 36,368,990		\$ 2,272,600	\$ 41,695,010		\$ 3,952,900	\$ 84,289,500
Revenues							
Operating Transfers	161,000		-	8,066,000		-	8,227,000
Capital Facility Fees	-		2,367,000	-		4,237,000	6,604,000
Property Tax	1,366,000		-	1,091,000		-	2,457,000
RDA pass-through	1,378,000		-	1,323,000		-	2,701,000
Debt Proceeds	-		-	-		8,032,500	8,032,500
Project Reimbursements	-		-	2,586,000		646,000	3,232,000
Investment Earnings	630,000		34,000	733,000		74,000	1,471,000
Available Balance	<u>39,903,990</u>		<u>4,673,600</u>	<u>55,494,010</u>		<u>16,942,400</u>	<u>117,014,000</u>
Less 25/26 Expenditures							
Future Projects	3,965,000		310,000	3,517,500		8,032,500	15,825,000
Encina Wastewater Authority Five Year Plan	-		-	7,180,000		-	7,180,000
Land Outfall Gravity Sewer Sec D Phs 1	-		-	2,392,000		598,000	2,990,000
Vehicles and Equipment	332,000		-	318,000		-	650,000
Debt Service - 2008 Loan	-		-	-		403,000	403,000
Debt Service - 2021 Bonds	-		574,000	-		845,000	1,419,000
Debt Service - 2025	-		-	-		450,000	450,000
Debt Service - 2015 Refunding	-		2,146,000	-		2,065,000	4,211,000
Less Total Expenditures	<u>4,297,000</u>		<u>3,030,000</u>	<u>13,407,500</u>		<u>12,393,500</u>	<u>33,128,000</u>
Projected June 30, 2026 Balance	35,606,990		1,643,600	42,086,510		4,548,900	<b>\$ 83,886,000</b>
Less Operating Reserves	<u>7,650,200</u>		<u>-</u>	<u>7,416,000</u>		<u>-</u>	<u>15,066,200</u>
Projected replacement reserve/restricted funds	<u>\$ 27,956,790</u>		<u>\$ 1,643,600</u>	<u>\$ 34,670,510</u>		<u>\$ 4,548,900</u>	<u>\$ 68,819,800</u>
Adopted replacement reserve floor	<u>\$ 12,467,200</u>			<u>\$ 26,601,300</u>			
Adopted replacement reserve ceiling	<u>\$ 45,716,400</u>			<u>\$ 76,081,700</u>			

<i>Debt service coverage</i>	331%
<i>Debt service coverage without cap fees</i>	229%
<i>Debt service coverage without cap fees or property tax &amp; RDA</i>	150%
<i>Days of Operating Expenses in Unrestricted Cash and Investments</i>	432

*See significant assumptions on page 122*

LONG RANGE RESERVE PROJECTION

	<u>2026/27</u>	<u>2027/28</u>	<u>2028/29</u>	<u>2029/30</u>	<u>2030/31</u>
Projected Beginning Balance	\$ 83,886,000	\$ 91,929,000	\$ 100,316,000	\$ 109,451,000	\$ 117,289,000
Revenues					
Operating transfers	8,392,000	8,560,000	8,731,000	8,906,000	9,084,000
Capital facility fees	6,604,000	6,604,000	6,604,000	4,953,000	4,953,000
Property tax	2,510,000	2,564,000	2,619,000	2,675,000	2,733,000
Investment earnings	1,055,000	1,153,000	1,259,000	1,360,000	1,467,000
Capital outlay	(2,480,000)	(2,530,000)	(2,581,000)	(2,633,000)	(2,686,000)
Debt service	(8,038,000)	(7,964,000)	(7,497,000)	(7,423,000)	(5,681,000)
Projected Ending Balance	\$ 91,929,000	\$ 100,316,000	\$ 109,451,000	\$ 117,289,000	\$ 127,159,000
Operating reserves	<u>15,443,000</u>	<u>15,829,000</u>	<u>16,225,000</u>	<u>16,631,000</u>	<u>17,047,000</u>
Projected replacement reserve/restricted funds	<u>\$ 76,486,000</u>	<u>\$ 84,487,000</u>	<u>\$ 93,226,000</u>	<u>\$ 100,658,000</u>	<u>\$ 110,112,000</u>
Adopted replacement reserve floor	<u>\$ 39,069,000</u>	<u>\$ 41,755,000</u>	<u>\$ 41,997,000</u>	<u>\$ 43,141,000</u>	<u>\$ 44,799,000</u>
Adopted replacement reserve ceiling	<u>\$ 121,798,000</u>	<u>\$ 124,622,000</u>	<u>\$ 121,838,000</u>	<u>\$ 119,170,000</u>	<u>\$ 117,009,000</u>

*Significant Assumptions*

**Operating Transfers** - the result of operating activity transferred from the disbursements fund during the year. Operating transfers from FY 2026 through 2031 will increase by 2%.

**Rates** - For budget purposes combined water and sewer rates for the average single family resident are not expected to increase January 1, 2022 pending results from the San Diego County Water Authority rate increases and are estimated to increase by approximately 3.5% to 4.0% January 1, 2023 and beyond.

**Operating Expense Assumptions** - Over the next five years, cost of wholesale water commodity will increase by approximately 25% and wholesale fixed charges will increase by approximately 24%. Power, fuel, and chemical costs will increase by 4.5% per year, while most other operating costs will increase by 2% from year-to-year on average. The District will add 100 to 120 water accounts in 2021/22, and 100 to 120 in 2022/23 and every year thereafter. The District will add 100 to 120 sewer accounts in 2021/22 and approximately 100 to 120 in 2022/23 and each year thereafter.

**Capital Facility Fees** – The District will collect capacity charges for 260 water EDUs in fiscal year 2021/22 and between 225 and 300 EDUs in each fiscal year, 2022/23 through 2025/26. The District will collect capacity charges for 360 sewer EDUs in 2021/22 and between 300 and 375 sewer EDUs from 2022/23 through 2025/26. The rate per EDU will increase by the ENR each year.

**Property Tax** - revenue from the 1% allocation will increase by 2.15% each year.

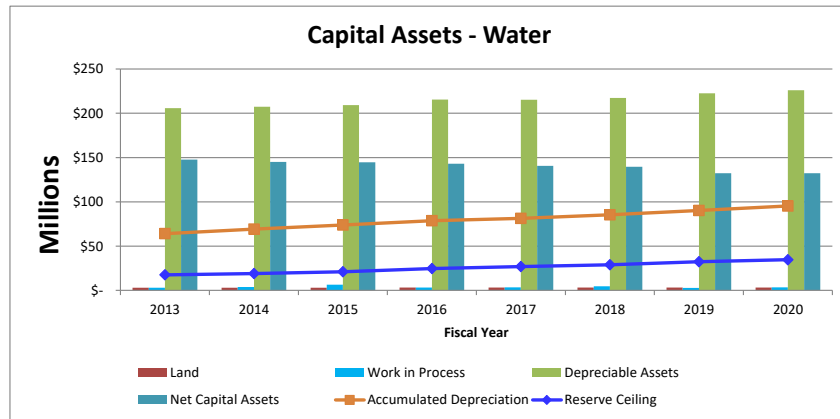
**Investment Earnings** - assumed at 1.2%.

**Capital Outlay** scheduled after Fiscal Year 2026 will be expended evenly over six years.

Vallecitos Water District  
 Replacement Reserve Limits - Water System  
 For the 2021-22 Budget year

ENR Index (as of March 2021) 11750

Year Added	Original Cost	ENR Factor	2021 Costs	Year of Replacement									
				2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
1957	\$ 923,038	16.23	\$ 14,980,244	483,234	483,234	483,234	483,234	483,234	483,234	-	-	-	-
1958	134,201	15.48	2,077,552	67,018	67,018	67,018	67,018	67,018	67,018	67,018	67,018	67,018	67,018
1963	2,067,687	13.04	26,964,842	869,834	869,834	869,834	869,834	869,834	869,834	869,834	869,834	869,834	869,834
1964	181,560	12.55	2,279,199	73,523	73,523	73,523	73,523	73,523	73,523	73,523	73,523	73,523	73,523
1965	256,377	12.10	3,102,399	100,077	100,077	100,077	100,077	100,077	100,077	100,077	100,077	100,077	100,077
1966	107,429	11.53	1,238,754	39,960	39,960	39,960	39,960	39,960	39,960	39,960	39,960	39,960	39,960
1967	122,039	10.94	1,335,157	43,070	43,070	43,070	43,070	43,070	43,070	43,070	43,070	43,070	43,070
1968	37,421	10.17	380,690	12,280	12,280	12,280	12,280	12,280	12,280	12,280	12,280	12,280	12,280
1969	39,742	9.26	367,981	11,870	11,870	11,870	11,870	11,870	11,870	11,870	11,870	11,870	11,870
1970	37,955	8.51	322,934	10,417	10,417	10,417	10,417	10,417	10,417	10,417	10,417	10,417	10,417
1971	90,080	7.43	669,475	21,596	21,596	21,596	21,596	21,596	21,596	21,596	21,596	21,596	21,596
1972	77,091	6.70	516,725	16,669	16,669	16,669	16,669	16,669	16,669	16,669	16,669	16,669	16,669
1973	169,427	6.20	1,050,537	33,888	33,888	33,888	33,888	33,888	33,888	33,888	33,888	33,888	33,888
1974	141,987	5.82	825,914	26,642	26,642	26,642	26,642	26,642	26,642	26,642	26,642	26,642	26,642
1975	230,530	5.31	1,224,560	39,502	39,502	39,502	39,502	39,502	39,502	39,502	39,502	39,502	39,502
1976	296,066	4.89	1,448,886	46,738	46,738	46,738	46,738	46,738	46,738	46,738	46,738	46,738	46,738
1977	303,133	4.56	1,382,691	44,603	44,603	44,603	44,603	44,603	44,603	44,603	44,603	44,603	44,603
1978	3,353,752	4.23	14,195,456	457,918	457,918	457,918	457,918	457,918	457,918	457,918	457,918	457,918	457,918
1979	933,794	3.91	3,653,706	117,861	117,861	117,861	117,861	117,861	117,861	117,861	117,861	117,861	117,861
1980	390,894	3.63	1,418,908	45,771	45,771	45,771	45,771	45,771	45,771	45,771	45,771	45,771	45,771
1981	397,944	3.32	1,322,728	42,669	42,669	42,669	42,669	42,669	42,669	42,669	42,669	42,669	42,669
1982	1,933,811	3.07	5,940,465	191,628	191,628	191,628	191,628	191,628	191,628	191,628	191,628	191,628	191,628
1983	3,393,243	2.89	9,805,855	316,318	316,318	316,318	316,318	316,318	316,318	316,318	316,318	316,318	316,318
1984	5,435,002	2.83	15,403,105	-	496,874	496,874	496,874	496,874	496,874	496,874	496,874	496,874	496,874
1985	675,452	2.80	1,891,910	-	-	61,029	61,029	61,029	61,029	61,029	61,029	61,029	61,029
1986	611,788	2.74	1,673,692	-	-	-	53,990	53,990	53,990	53,990	53,990	53,990	53,990
1987	799,052	2.67	2,130,926	-	-	-	-	68,740	68,740	68,740	68,740	68,740	68,740
1988	8,585,267	2.60	22,322,834	-	-	-	-	-	720,091	720,091	720,091	720,091	720,091
1989	1,572,104	2.55	4,002,648	-	-	-	-	-	-	129,118	129,118	129,118	129,118
1990	2,124,484	2.48	5,275,293	-	-	-	-	-	-	-	170,171	170,171	170,171
1991	1,777,396	2.43	4,319,422	-	-	-	-	-	-	-	-	139,336	139,336
1992	8,263,508	2.36	19,477,677	-	-	-	-	-	-	-	-	-	628,312
1993	3,727,844	2.26	8,407,326	-	-	-	-	-	-	-	-	-	-
1994	2,198,280	2.17	4,776,219	-	-	-	-	-	-	-	-	-	-
1995	4,438,365	2.15	9,532,222	-	-	-	-	-	-	-	-	-	-
1996	1,872,216	2.09	3,914,331	-	-	-	-	-	-	-	-	-	-
1997	3,075,659	2.02	6,203,054	-	-	-	-	-	-	-	-	-	-
1998	4,236,142	1.98	8,407,883	-	-	-	-	-	-	-	-	-	-
1999	1,216,379	1.94	2,358,880	-	-	-	-	-	-	-	-	-	-
2000	33,016,987	1.89	62,361,292	-	-	-	-	-	-	-	-	-	-
2001	1,599,452	1.85	2,962,882	-	-	-	-	-	-	-	-	-	-
2002	2,243,174	1.80	4,031,400	-	-	-	-	-	-	-	-	-	-
2003	8,148,602	1.76	14,301,900	-	-	-	-	-	-	-	-	-	-
2004	4,803,706	1.65	7,933,158	-	-	-	-	-	-	-	-	-	-
2005	4,945,039	1.58	7,803,433	-	-	-	-	-	-	-	-	-	-
2006	6,296,020	1.52	9,544,347	-	-	-	-	-	-	-	-	-	-
2007	9,123,102	1.48	13,456,747	-	-	-	-	-	-	-	-	-	-
2008	7,200,501	1.41	10,181,214	-	-	-	-	-	-	-	-	-	-
2009	32,403,360	1.37	44,427,011	-	-	-	-	-	-	-	-	-	-
2010	4,510,327	1.33	6,020,943	-	-	-	-	-	-	-	-	-	-
2011	2,053,547	1.30	2,660,328	-	-	-	-	-	-	-	-	-	-
2012	1,249,525	1.26	1,577,344	-	-	-	-	-	-	-	-	-	-
2013	3,574,225	1.24	4,440,853	-	-	-	-	-	-	-	-	-	-
2014	1,464,242	1.20	1,754,522	-	-	-	-	-	-	-	-	-	-
2015	1,950,156	1.17	2,285,719	-	-	-	-	-	-	-	-	-	-
2016	6,131,372	1.17	7,186,396	-	-	-	-	-	-	-	-	-	-
2017	-	1.14	-	-	-	-	-	-	-	-	-	-	-
2018	3,142,674	1.05	3,315,057	-	-	-	-	-	-	-	-	-	-
2019	4,082,656	1.05	4,272,462	-	-	-	-	-	-	-	-	-	-
2020	3,806,843	1.03	3,924,753	-	-	-	-	-	-	-	-	-	-
	<b>\$ 207,973,649</b>		<b>\$ 431,044,841</b>	<b>3,113,086</b>	<b>3,609,960</b>	<b>3,670,989</b>	<b>3,724,980</b>	<b>3,793,719</b>	<b>4,513,810</b>	<b>4,159,695</b>	<b>4,262,847</b>	<b>4,402,184</b>	<b>5,030,496</b>



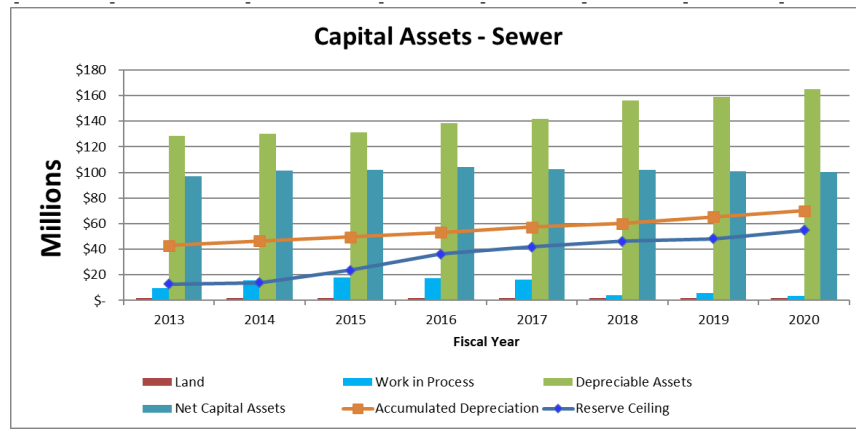
Three-Year Minimum Reserve Balance <-----\$10,394,035----->

Ten-Year Maximum Reserve Balance <-----\$40,281,766----->

Vallecitos Water District  
 Replacement Reserve Limits - Wastewater System  
 For the 2021-22 Budget year

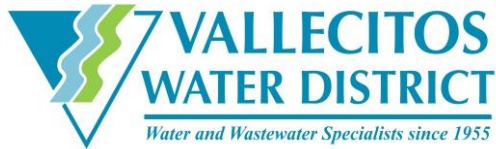
ENR Index (as of March 2021) 11750

Year Added	Original Cost	ENR Factor	2021 Costs	Year of Replacement											
				2022	2023	2024	2025	2026	2027	2028	2029	2030	2031		
1964	\$ 1,421,340	12.55	\$ 17,842,676	-	-	-	-	-	-	-	-	-	-	-	-
1965	394,116	12.10	4,769,169	-	-	-	-	-	-	-	-	-	-	-	-
1966	110,183	11.53	1,270,511	-	-	-	-	-	-	-	-	-	-	-	-
1967	41,816	10.94	457,484	-	-	-	-	-	-	-	-	-	-	-	-
1968	24,352	10.17	247,737	-	-	-	-	-	-	-	-	-	-	-	-
1969	28,784	9.26	266,519	-	-	-	-	-	-	-	-	-	-	-	-
1970	1,617,466	8.51	13,761,930	-	-	-	-	-	-	-	-	-	-	-	-
1971	53,601	7.43	398,363	-	-	-	-	-	-	-	-	-	-	-	-
1972	78,755	6.70	527,879	32,992	-	-	-	-	-	-	-	-	-	-	-
1973	149,279	6.20	925,609	57,851	57,851	-	-	-	-	-	-	-	-	-	-
1974	409,501	5.82	2,381,998	148,875	148,875	148,875	-	-	-	-	-	-	-	-	-
1975	189,378	5.31	1,005,964	62,873	62,873	62,873	62,873	-	-	-	-	-	-	-	-
1976	151,559	4.89	741,699	46,356	46,356	46,356	46,356	46,356	-	-	-	-	-	-	-
1977	394,775	4.56	1,800,701	112,544	112,544	112,544	112,544	112,544	112,544	-	-	-	-	-	-
1978	930,683	4.23	3,939,310	246,207	246,207	246,207	246,207	246,207	246,207	246,207	-	-	-	-	-
1979	697,184	3.91	2,727,909	170,494	170,494	170,494	170,494	170,494	170,494	170,494	170,494	-	-	-	-
1980	139,384	3.63	505,951	31,622	31,622	31,622	31,622	31,622	31,622	31,622	31,622	31,622	-	-	-
1981	192,586	3.32	640,137	40,009	40,009	40,009	40,009	40,009	40,009	40,009	40,009	40,009	40,009	40,009	40,009
1982	4,772,279	3.07	14,659,942	916,246	916,246	916,246	916,246	916,246	916,246	916,246	916,246	916,246	916,246	916,246	916,246
1985	5,149,309	2.80	14,422,975	901,436	901,436	901,436	901,436	901,436	901,436	901,436	901,436	901,436	901,436	901,436	901,436
1986	19,355,791	2.74	52,952,397	3,309,525	3,309,525	3,309,525	3,309,525	3,309,525	3,309,525	3,309,525	3,309,525	3,309,525	3,309,525	3,309,525	3,309,525
1987	381,136	2.67	1,016,420	63,526	63,526	63,526	63,526	63,526	63,526	63,526	63,526	63,526	63,526	63,526	63,526
1988	1,232,431	2.60	3,204,484	200,280	200,280	200,280	200,280	200,280	200,280	200,280	200,280	200,280	200,280	200,280	200,280
1989	2,001,761	2.55	5,096,575	-	318,536	318,536	318,536	318,536	318,536	318,536	318,536	318,536	318,536	318,536	318,536
1990	3,031,169	2.48	7,526,677	-	-	470,417	470,417	470,417	470,417	470,417	470,417	470,417	470,417	470,417	470,417
1991	1,864,618	2.43	4,531,388	-	-	-	283,212	283,212	283,212	283,212	283,212	283,212	283,212	283,212	283,212
1992	3,162,421	2.36	7,454,052	-	-	-	-	465,878	465,878	465,878	465,878	465,878	465,878	465,878	465,878
1993	13,446,724	2.26	30,326,105	-	-	-	-	-	1,895,382	1,895,382	1,895,382	1,895,382	1,895,382	1,895,382	1,895,382
1994	2,113,222	2.17	4,591,412	-	-	-	-	-	-	286,963	286,963	286,963	286,963	286,963	286,963
1995	3,276,618	2.15	7,037,153	-	-	-	-	-	-	-	439,822	439,822	439,822	439,822	439,822
1996	1,199,768	2.09	2,508,412	-	-	-	-	-	-	-	-	156,776	156,776	156,776	156,776
1997	988,964	2.02	1,994,564	-	-	-	-	-	-	-	-	-	-	-	124,660
1998	4,670,391	1.98	9,269,779	-	-	-	-	-	-	-	-	-	-	-	-
1999	1,047,495	1.94	2,031,369	-	-	-	-	-	-	-	-	-	-	-	-
2000	3,954,391	1.89	7,468,911	-	-	-	-	-	-	-	-	-	-	-	-
2001	2,705,995	1.85	5,012,682	-	-	-	-	-	-	-	-	-	-	-	-
2002	109,018	1.80	195,926	-	-	-	-	-	-	-	-	-	-	-	-
2003	9,260,829	1.76	16,254,009	-	-	-	-	-	-	-	-	-	-	-	-
2004	3,031,642	1.65	5,006,654	-	-	-	-	-	-	-	-	-	-	-	-
2005	2,984,298	1.58	4,709,320	-	-	-	-	-	-	-	-	-	-	-	-
2006	7,245,244	1.52	10,983,308	-	-	-	-	-	-	-	-	-	-	-	-
2007	(10,129,834)	1.48	(14,941,696)	-	-	-	-	-	-	-	-	-	-	-	-
2008	9,022,922	1.41	12,758,043	-	-	-	-	-	-	-	-	-	-	-	-
2009	37,476,922	1.37	51,383,178	-	-	-	-	-	-	-	-	-	-	-	-
2010	3,860,825	1.33	5,153,907	-	-	-	-	-	-	-	-	-	-	-	-
2011	1,487,477	1.30	1,926,996	-	-	-	-	-	-	-	-	-	-	-	-
2012	3,612,924	1.26	4,560,793	-	-	-	-	-	-	-	-	-	-	-	-
2013	(1,398,127)	1.23	(1,720,749)	-	-	-	-	-	-	-	-	-	-	-	-
2014	2,007,273	1.20	2,405,207	-	-	-	-	-	-	-	-	-	-	-	-
2015	(1,576,814)	1.17	(1,848,136)	-	-	-	-	-	-	-	-	-	-	-	-
2016	792,086	1.17	928,380	-	-	-	-	-	-	-	-	-	-	-	-
2017	1,984,324	1.14	2,268,516	-	-	-	-	-	-	-	-	-	-	-	-
2018	1,984,324	1.05	2,093,169	-	-	-	-	-	-	-	-	-	-	-	-
2019	1,422,607	1.05	1,488,745	-	-	-	-	-	-	-	-	-	-	-	-
2020	6,155,403	1.03	6,346,055	-	-	-	-	-	-	-	-	-	-	-	-
	<u>\$ 160,712,568</u>		<u>\$345,268,465</u>	<u>6,340,836</u>	<u>6,626,379</u>	<u>7,038,946</u>	<u>7,173,283</u>	<u>7,576,289</u>	<u>9,425,314</u>	<u>9,599,733</u>	<u>9,793,349</u>	<u>9,779,630</u>	<u>9,872,668</u>		



Three-Year Minimum Reserve Balance <-----\$20,006,162----->

Eight-Year Maximum Reserve Balance <-----\$63,574,129----->



201 Vallecitos de Oro • San Marcos, California • 92069-1453 • (760) 744-0460

Date: June 3, 2020  
To: Honorable Board of Directors  
Regarding: CalPERS Unfunded Accrued Liability Funding Policy

It is Vallecitos Water District's commitment to excellence which drives staff to identify opportunities to remain efficient, fiscally responsible, and innovative. Managing the CalPERS pension liability is one of the District's most significant financial challenges and has been identified as one of the organization's key strategic initiatives to address. In Fiscal Year 2020 Vallecitos established a policy to pay down the pension liability over a maximum of three years with half of the amount paid in Fiscal Year 2020. On November 20, 2019, in accordance with policy, the District paid \$8.1 million of the CalPERS Unfunded Accrued Liability. Based on the most recent actuarial valuation report, dated June 30, 2018, the District's pension liability was approximately \$19.8 million. After the \$8.1 million payment the revised June 30, 2020 Total Unfunded Liability per CalPERS was \$11.3 million.

At the board meeting on May 20, 2020 staff obtained clear policy direction on how to manage the pension liability over the next couple years. Staff has been instructed to pay \$4.0 million of the pension liability in Fiscal Year 2021 with the remaining amount to be paid in Fiscal Year 2022 at the discretion of the board. Based on guidance and concerns received from the Board of Directors, Vallecitos intends to continue to address the pension liability by doing the following:

- 1) Pay the \$11.3 million pension liability over the next two years at the discretion of the Board with \$4.0 being paid in Fiscal Year 2021. For the five-year plan included in the Fiscal Year 2021 Recommended Budget it is assumed the \$11.3 million won't materially change during that time frame and it assumes a constant 7.0% interest rate being charged.
- 2) Revise the policy brief annually with updated amounts when new actuarial reports are released and incorporate them into Budgets for future fiscal years.
- 3) Maintain flexibility and control with this funding strategy, not locking into any formal arrangements with CalPERS.
- 4) Avoid over-paying, or becoming super-funded, by reassessing the final year's payment as necessary.
- 5) Report back to the Finance Committee and Board of Directors on pension funding status on a regular basis.

Below approximates the fiscal impact of this funding policy in conjunction with the minimum required payments Vallecitos would have to make regardless of the funding policy. This has been incorporated into the Recommended Budget for Fiscal Year 2021.



	Two Years to 100% Funded		Total
	FY 2021	FY 2022	
Funding Policy			
Additional Discretionary Payment (ADP)	\$ 4,027,000	\$ 7,273,000	\$ 11,300,000
Required Payment on UAL <b>(1)</b>	850,396	1,557,000	2,407,396
Unfunded Accrued Liability Payment	<u>\$ 4,877,396</u>	<u>\$ 8,830,000</u>	<u>\$ 13,707,396</u>
<b>Approximate Interest Savings</b>	<b>\$ 9,829,000</b>		
<i>(1) Required payments on the UAL will change when new actuarial reports are released and will be reduced as a result of additional discretionary payments</i>			

Respectfully submitted,

Glenn Pruum, General Manager

**DATE: MAY 19, 2021**  
**TO: BOARD OF DIRECTORS**  
**SUBJECT: POTENTIAL DEBT ISSUANCE**

**BACKGROUND:**

Vallecitos Water District (District) has not issued debt since 2012 and has been prudent in reserving funds for unanticipated, unforeseeable, and planned repair or replacement of water and wastewater system infrastructure in order to avoid the cost of issuing debt and the ongoing interest expense. In the FY2020/21 Budget, the District identified upcoming capital costs that would necessitate the need for debt issuance in Fiscal Year 2022, in order to achieve an equitable allocation of capital cost/charges between current and future system users. Staff and bond counsel have identified over \$21 million in eligible unreimbursed project costs and projected capital spending of \$7 million to be reimbursed by bond proceeds resulting in a recommended issuance of bonds in the amount of \$28 million. Bonds priced on a 30-year term currently have a fixed rate of interest (total-all-in cost) at 2.98%.

**DISCUSSION:**

The FY 2021/22 budget shows capital costs are projected to result in a capacity fund shortfall of \$19.8 million by the end of Fiscal Year 2021 and total reserve levels are projected to fall below the floor set by the reserve policy in Fiscal Year 2024. Staff has been maintaining proactive communication with the investment community to ensure capital market access at the lowest possible rates. Current market conditions allow for near historical low interest rates which will result in significantly lower debt service payments and potential savings over a delayed issuance should interest rates rise. In order to maintain the District's high credit rating of AA+ and achieve the lowest cost of capital possible, staff and the District's Financial Advisors, Fieldman Rolapp & Associates, believe an issuance of bonds at this time is in the best interest of the District. An issuance of bonds would involve a financing team comprised of an underwriter, bond counsel, general counsel, District Finance staff, a trustee, and a financial advisor. Fieldman Rolapp & Associates, has prepared a timeline for the debt issuance and analysis of the debt costs and would coordinate the efforts of the financing team.

**FINANCIAL IMPACT:**

Annual debt service costs are estimated at \$1.4 million which will be the responsibility of the Capacity fund. This issuance will eliminate the need for the interest payment from the capacity fund to the replacement fund and will result in approximately \$300 thousand in savings per year. In addition, the 2012 debt will be paid off in 2023, resulting in a decrease in debt service payment of \$780 thousand per year. The net increase in debt service payments by 2024 is estimated to be \$340 thousand dollars per year. The District's Financial Advisor will present the latest analysis of debt costs at the Board meeting.

**RECOMMENDATION:**

Direct staff to obtain proposals and contracts necessary to move forward with issuing the 2021 bonds.

**DATE: MAY 19, 2021**  
**TO: BOARD OF DIRECTORS**  
**SUBJECT: FINANCIAL INSTITUTION REGISTRY AND AUTHORIZATION**

**DISCUSSION:**

The District conducts transactions with various financial institutions throughout the year. This report is to present a registry of financial institutions and staff authorized to transact business on behalf of the District. This report also serves to notify the Board of Directors of new financial institutions where a resolution is required by the institution naming specific staff members authorized to transact business on behalf of the District. This item was last before the Board on September 18, 2018.

Between September 2018 and May 2021, the following change is occurring:

- Removal of Anthony Glenn and addition of Michael Rathsam, the new Accounting Supervisor, to list of staff authorized to transfer funds between LAIF and Union Bank operating account.

Existing financial institutions and authorized staff are listed in table A below.

**FISCAL IMPACT:**

None

**RECOMMENDATION:**

Staff recommends adopting the following resolution changing authorizations of financial institutions as exhibited in table A:

- Local Agency Investment Fund

TABLE A

FINANCIAL INSTITUTION:	AUTHORIZED STAFF:	TITLE:
Local Agency Investment Fund	Glenn Pruum	General Manager
Local Agency Investment Fund	Douglas Westley Owen	Finance Manager
<i>Local Agency Investment Fund</i>	<i>Michael Rathsam</i>	<i>Accounting Supervisor</i>
SD County Investment Pool	Glenn Pruum	General Manager
SD County Investment Pool	Douglas Westley Owen	Finance Manager
Union Bank - General Checking Account	Glenn Pruum	General Manager
Union Bank - General Checking Account	Rhondi Emmanuel	Administrative Services Manager
Union Bank - General Checking Account	Ed Pedrazzi	Operations & Maintenance Manager
Union Bank - General Checking Account	James Gumpel	District Engineer
Union Bank - General Checking Account	Douglas Westley Owen	Finance Manager
Union Bank Trust & Custody	Glenn Pruum	General Manager
Union Bank Trust & Custody	Douglas Westley Owen	Finance Manager

**RESOLUTION NO.**

**RESOLUTION OF THE BOARD OF DIRECTORS OF THE VALLECITOS WATER DISTRICT  
AUTHORIZING INVESTMENT OF VALLECITOS WATER DISTRICT MONIES IN LOCAL  
AGENCY INVESTMENT FUND AND REPEAL RESOLUTION NO. 1542**

WHEREAS, pursuant to Chapter 730 of the Statutes of 1976, Section 16429.1 was added to the California Government Code to create a Local Agency Investment Fund in the State Treasury for the deposit of money of a local agency for purposes of investment by the State Treasurer; and

WHEREAS, the Board of Directors does hereby find that the deposit and withdrawal of money in the Local Agency Investment Fund, in accordance with the provisions of Section 16429.1 of the Government Code for the purposes of investment as stated therein, is in the best interests of the Vallecitos Water District.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors does hereby authorize the deposit and withdrawal of Vallecitos Water District monies in the Local Agency Investment Fund in the State Treasury in accordance with the provisions of Section 16429.1 of the Government Code for the purpose of investment as stated therein, and verification by the State Treasurer's Office of all banking information provided in that regard.

BE IT FURTHER RESOLVED that the following District officers, or their successors in office, shall be authorized to order the deposit or withdrawal of monies between the Local Agency Investment Fund and Union Bank:

NAME	TITLE
Glenn Pruum	General Manager
Douglas Westley Owen	Finance Manager
Michael Rathsam	Accounting Supervisor

PASSED, APPROVED AND ADOPTED by the Board of Directors of the Vallecitos Water District at a regular meeting held on the 19<sup>th</sup> day of May, 2021, by the following roll call vote:

AYES:  
NOES:  
ABSTAIN:  
ABSENT:

ATTEST:

\_\_\_\_\_  
Mike Sannella, President  
Board of Directors  
Vallecitos Water District

\_\_\_\_\_  
Glenn Pruum, Secretary  
Board of Directors  
Vallecitos Water District

**DATE: MAY 19, 2021**  
**TO: BOARD OF DIRECTORS**  
**SUBJECT: TRANSPARENCY CERTIFICATE OF EXCELLENCE AND DISTRICT OF DISTINCTION APPLICATIONS**

**BACKGROUND:**

The California Special Districts Association (CSDA) is a not-for-profit association that was formed in 1969 to promote good governance and improve core local services through professional development, advocacy, and other services for all types of independent special districts. CSDA provides education and training, insurance programs, legal advice, industry-wide litigation and public relations support, legislative advocacy, capital improvement and equipment funding, collateral design services, and, most importantly, current information that is crucial to a special district's management and operational effectiveness.

In 1999, the Special District Leadership Foundation (SDLF), a 501(c)(3) organization, was formed to provide recognition and certification opportunities to special district officials and employees to enhance service to the public. SDLF is dedicated to excellence in local government and its efforts are supported through CSDA, the Special District Risk Management Authority and public donations/fundraising. SDLF designed and implemented the following programs: Transparency Certificate of Excellence; District of Distinction Accreditation (including upgrades to Silver, Gold and Platinum levels); Certificate in Special District Governance; and District Certified Special District Manager.

The District initially received the Transparency Certificate of Excellence in April of 2014. Subsequently, the District achieved the District of Distinction Accreditation in April of 2016 along with a renewal of the Transparency Certificate of Excellence. In March of 2018, the District renewed the Transparency Certificate of Excellence and received the District of Distinction, Silver Level as the majority of the Board members and Executive Staff had completed the Special District Leadership Academy.

According to SDLF, the District's Transparency Certificate of Excellence and District of Distinction, Silver Level Accreditation are due to expire on June 30, 2021. Staff have started renewal of the Transparency Certificate of Excellence. Board members and Executive staff (General Manager Pruijm) will need to complete training for the District to once again be certified as a District of Distinction.

**DISCUSSION:**

Board member training is mostly discretionary, except for two trainings required by State legislation.

**Mandated Training**

Both AB 1234, ethics training, and AB 1825, sexual harassment prevention training, are required within six months of being elected and every two years thereafter. These

trainings are offered by various organizations and typically received by the Board at annual conferences. CSDA also offers both trainings online as on-demand webinars.

Four Board members and the General Manager need to take AB 1234 training; and two Board members need to take AB 1825 training (both are scheduled for June).

#### District of Distinction

The District of Distinction Accreditation is achieved by attending the above mandated trainings and a minimum of six hours of "Governance Training" for each Board member and Executive staff. Board and Executive staff that have remained the same since the last renewal, do not need to complete this requirement again.

Two Board members need to take Governance Training (both are scheduled for May).

#### District of Distinction, Silver Level

The District of Distinction, Silver Level is achieved by meeting the minimum requirements for District of Distinction, and the majority of the Board members achieving their Certificate in Special District Governance. A Certificate in Special District Governance is achieved by completing CSDA's Special District Leadership Academy which includes four modules: Module 1: Governance Foundations; Module 2: Setting Direction & Community Leadership; Module 3: Board's Role in Finance & Fiscal Accountability; Module 4: Board's Role in Human Resources and elective courses totaling 10 hours of continuing education from the CSDA or another statewide association specializing in local government.

Currently, three Board members (the majority) have completed their Certificate in Special District Governance.

#### District of Distinction, Gold Level

The District of Distinction, Gold Level is achieved by the full Board and General Manager meeting the Silver Level requirements.

#### District of Distinction, Platinum Level

The District of Distinction, Platinum Level is achieved by the full Board and General Manager meeting the Gold Level requirements and the General Manager being a Certified Special District Manager.

#### **RECOMMENDATION:**

This item is presented for discussion. To maintain the District of Distinction, Silver Level, all Board members must take the required trainings (Ethics and Harassment) and the two new Board members must take six hours of Governance Training before the accreditation expires. Higher levels of accreditation may be achieved in the future if desired.

#### **FISCAL IMPACT:**

A fee of \$250.00 must be submitted to renew the District of Distinction application. CSDA on-demand webinars are offered at no charge to all members.

**DATE: MAY 19, 2021**  
**TO: BOARD OF DIRECTORS**  
**SUBJECT: EXPRESSION OF INTEREST TO SERVE ON THE ACWA REGION 10 GOVERNING BOARD**

**BACKGROUND:**

Vallecitos is a member of Region 10 of the Association of California Water Agencies (ACWA). The Region 10 Nominating Committee is currently seeking candidates to serve on the Region 10 Board, which consists of Chair, Vice Chair and up to five Board Member positions.

**DISCUSSION:**

In order to be considered by the Nominating Committee, interested Board members must complete a Region Board Candidate Nomination Form (attached), obtain a Resolution of Support from the candidate's Board of Directors, and submit the requested information to ACWA by Wednesday, June 30, 2021.

The Region 10 Nominating Committee will announce their recommended slate of candidates to the Region 10 Board by July 31, 2021. In August, ballots containing the recommended candidates will be sent to General Managers and Board Presidents. Each agency can submit one ballot, which is due by September 30, 2021. Results of the election will be announced on October 4, 2021. Newly elected Region 10 Board Members will begin their two-year term of service on January 1, 2022.

**FISCAL IMPACT:**

There is no fiscal impact associated with this item.

**RECOMMENDATION:**

Determine if any Board members are interested in serving on the ACWA Region 10 Board. If there is any interest, staff will return at a future Board meeting with a Resolution of support for the Board's consideration.

**ATTACHMENTS:**

ACWA Region 10 Call for Candidates Information Packet



## MEMORANDUM

Date: May 3, 2021

To: ACWA REGION 10 MEMBER AGENCY PRESIDENTS AND GENERAL MANAGERS  
(sent via e-mail)

From: ACWA REGION 10 NOMINATING COMMITTEE

- **Joone Lopez, Moulton Niguel Water District**
- **Greg Mills, Serrano Water District**
- **Elsa Saxod, San Diego County Water Authority**
- **Doug Wilson, Padre Dam Municipal Water District**

The Region 10 Nominating Committee is looking for ACWA members who are interested in leading the direction of ACWA Region 10 for the 2022-2023 term. The Nominating Committee is currently seeking candidates for the Region 10 Board, which is comprised of Chair, Vice Chair and up to five Board Member positions.

The leadership of ACWA's ten geographical regions is integral to the leadership of the Association as a whole. The Chair and Vice Chair of Region 10 serve on ACWA's Statewide Board of Directors and recommend all committee appointments for Region 10. The members of the Region 10 Board determine the direction and focus of region issues and activities. Additionally, they support the fulfillment of ACWA's goals on behalf of members and serve as a key role in ACWA's grassroots outreach efforts.

If you, or someone within your agency, are interested in serving in a leadership role within ACWA by becoming a Region 10 Board Member, please familiarize yourself with the [Role of the Regions](#) and Responsibilities; the [Election Timeline](#); and the [Region 10 Rules and Regulations](#) and complete the following steps:

- **Complete the attached Region Board Candidate Nomination Form [HERE](#)**
- **Obtain a Resolution of Support from your agency's Board of Directors (Sample Resolution [HERE](#))**
- **Submit the requested information to ACWA as indicated by Wednesday, June 30, 2021**

The Region 10 Nominating Committee will announce their recommended slate by July 31, 2021. On August 2, 2021 the election will begin with ballots sent to General Managers and Board Presidents. One ballot per agency will be counted. The election will be completed on September 30, 2021. On October 4, 2021, election results will be announced. The newly elected Region 10 Board Members will begin their two-year term of service on January 1, 2022.

If you have any questions, please contact Regional Affairs Representative Augustine Han, at [augustineh@acwa.com](mailto:augustineh@acwa.com) or (916) 441-4545.

## 2021 ACWA Region Election Timeline 2022-2023 Term

**February 26:**

### **NOMINATING COMMITTEES APPOINTED**

- With concurrence of the region board, the region chairs appoint at least three region members to serve as the respective region's Nominating Committee
- Those serving on nominating committees are ineligible to seek region offices
- Nominating Committee members are posted online at [www.acwa.com](http://www.acwa.com)

**March 1-31:**

### **NOMINATING COMMITTEE TRAINING**

- Nominating Committee packets will be e-mailed to each committee member
- ACWA staff will hold a Zoom training session with the nominating committees to educate them on their specific roles and duties
  - Regions 1-10 Nominating Committees: via Zoom

**May 3:**

### **CALL FOR CANDIDATES**

- The Call for Candidate Nominations packet will be e-mailed to ACWA member agency Board Presidents and General Managers

**June 30:**

### **DEADLINE FOR COMPLETED NOMINATION FORMS**

- Deadline to submit all Nomination Forms and Board Resolutions of Support for Candidacy for region positions
- Nominating Committee members may need to solicit additional candidates in person to achieve a full complement of nominees for the slate

**July 1:**

### **CANDIDATE INFORMATION TO NOMINATING COMMITTEES**

- All information submitted by candidates will be forwarded by ACWA staff to the respective region Nominating Committee members with a cover memo explaining their task

**July 11 - 31:**

**RECOMMENDED SLATES SELECTED**

- Nominating Committees will meet to determine the recommended individuals for their region. The slate will be placed on the election ballot.
- Nominating Committee Chairs will inform their respective ACWA Regional Affairs Representative of their recommended slate by July 23
- Candidates will be notified of the recommended slate by July 30
- The Nominating Committee Chair will approve the official region ballot

**August 2:**

**ELECTIONS BEGIN**

- All 10 official electronic ballots identifying the recommended slate and any additional candidates for consideration for each region will be produced and e-mailed to ACWA member agencies only
- Only one ballot per agency will be counted

**September 30:**

**ELECTION BALLOTS DUE**

- ***Deadline for all region elections. All region ballots must be received by ACWA by **September 30, 2021*****

**October 4:**

**ANNOUNCEMENT OF ELECTION RESULTS**

- Newly-elected members of the region boards will be contacted accordingly
- An ACWA Advisory will be distributed electronically to all members reporting the statewide region election results
- Results will be posted at acwa.com and will be published in the October issue of ACWA News

# REGION BOARD CANDIDATE NOMINATION FORM



Submit completed form by **June 30, 2021** to [regionelections@acwa.com](mailto:regionelections@acwa.com)

Name of Candidate:	Title:
Agency:	Agency Phone:
Direct Phone:	E-mail:
Address:	ACWA Region: County:

Region Board Position Preference
<i>If you are interested in more than one position, please indicate priority - 1st, 2nd and 3rd choice.</i>
Chair:
Vice Chair:
Board Member:

If you are not chosen for the recommended slate, would you like to be listed in the ballot's individual candidate section?
<i>If neither is selected, your name will <b>NOT</b> appear on the ballot.</i>
Yes
No

Agency Function(s)
<i>Check all that apply</i>
Wholesale
Urban Water Supply
Ag Water Supply
Sewage Treatment
Retailer
Wastewater Reclamation
Flood Control
Groundwater Management / Replenishment
Other:

**Describe your ACWA-related activities that help qualify you for this office:**

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**Write below or attach a half-page bio summarizing the experience and qualifications that make you a viable candidate for ACWA Region leadership.** Please include the number of years you have served in your current agency position, the number of years you have been involved in water issues and in what capacity you have been involved in the water community.

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*I acknowledge that the role of a region board member is to actively participate on the Region Board during my term, including attending region board and membership meetings, participating in region conference calls, participating in ACWA's Outreach Program, as well as other ACWA functions to set an example of commitment to the region and the association.*

*I hereby submit my name for consideration by the Nominating Committee.*

Signature	Title	Date
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## ACWA Region 10 Rules & Regulations

*Each region shall organize and adopt rules and regulations for the conduct of its meetings and affairs not inconsistent with the Articles of Incorporation or bylaws of the Association (ACWA Bylaw V, 6.).*

### **Officers**

The chair and vice chair shall be from different counties.

At least one of the chair or vice chair positions must be an elected/appointed director from a member agency.

The region board members shall alternate every two years with three from one county and two from the other. The county from which the chair comes from shall have two region board members and the county from which the vice chair comes from shall have three region board members.

The chair will provide the region secretary.

### **Meetings**

The region will hold at least quarterly meetings, including the ACWA spring and fall conferences.

The region chair will determine when and if nonmembers are invited to regional activities or events.

### **Attendance**

If a region chair or vice chair is no longer allowed to serve on the Board of Directors due to his / her attendance, the region board shall appoint from the existing region board a new region officer. (ACWA Policy & Guideline Q, 1.)

If a region chair or vice chair misses three consecutive region board / membership meetings, the same process shall be used to backfill the region officer position. (ACWA Policy & Guideline Q, 1.)

If a region board member has three consecutive unexcused absences from a region board meeting or general membership business meeting, the region board will convene to discuss options for removal of the inactive board member. If the vacancy causes the board to fail to meet the minimum requirement of five board members, the region must fill the vacancy according to its rules and regulations. (ACWA Policy & Guideline Q, 3.)

### **Elections**

All nominations received for the region chair, vice chair and board positions must be accompanied by a resolution of support from each sponsoring member agency, signed by an authorized representative of the Board of Directors. Only one individual may be nominated from a given agency to run for election to

a region board. Agencies with representatives serving on the nominating committees should strive not to submit nominations for the region board from their agency. (ACWA Policy & Guideline P, 2.)

Election ballots will be e-mailed to ACWA member agency general managers and presidents.

The nominating committee shall consist of four persons, two from each county.

The nominating committee shall pursue qualified members within the region to run for the region board and consider geographic diversity, agency size and focus in selecting a slate.

A member of the nominating committee cannot be nominated by the committee for an elected position.

*See current region election timeline for specific dates.*

### **Endorsements**

ACWA, as a statewide organization, may endorse potential nominees and nominees for appointment to local, regional, and statewide commissions and boards. ACWA's regions may submit a recommendation for consideration and action to the ACWA Board of Directors to endorse a potential nominee or nominee for appointment to a local, regional or statewide commission or board. (ACWA Policy & Guideline P, 3.)

### **Committee Recommendations & Representation**

All regions are given equal opportunity to recommend representatives of the region for appointment to a standing or regular committee of the Association. If a region fails to provide full representation on all ACWA committees, those committee slots will be left open for the remainder of the term or until such time as the region designates a representative to complete the remainder of the term. (ACWA Policy & Guideline P, 4. A.)

At the first region board / membership meeting of the term, regions shall designate a representative serving on each of the standing and regular committees to serve as the official reporter to and from the committee on behalf of the region to facilitate input and communication. (ACWA Policy & Guideline P, 4. B.)

The chair and vice chair will recommend an official alternate for excused committee members.

### **Tours**

ACWA may develop and conduct various tours for the regions. All tour attendees must sign a "release and waiver" to attend any and all region tours. Attendees agree to follow environmental guidelines and regulations in accordance with direction from ACWA staff; and will respect the rights and privacy of other attendees. (ACWA Policy & Guideline P, 6.)

### **Finances**



*See "Financial Guidelines for ACWA Region Events" document.*

### **Amending the Region Rules & Regulations**

ACWA policies and guidelines can be amended by approval of the ACWA Board of Directors.

The region 10 rules and regulations can be changed at any time with advanced written notice to member agencies.

*ACWA Regions provide the grassroots support to advance ACWA's legislative and regulatory agenda.*

### Background

As a result of ACWA's 1993 strategic planning process, known as Vision 2000, ACWA modified its governance structure from one that was based on sections to a regional-based configuration. Ten regions were established to provide geographic balance and to group agencies with similar interests.

### Primary Charge of Regions

- To provide a structure where agencies can come together and discuss / resolve issues of mutual concern and interest and based on that interaction, provide representative input to the ACWA board.
- To assist the Outreach Task Force in building local grassroots support for the ACWA Outreach Program in order to advance ACWA's legislative and regulatory priorities as determined by the ACWA Board and the State Legislative, Federal Affairs or other policy committees.
- To provide a forum to educate region members on ACWA's priorities and issues of local and statewide concern.
- To assist staff with association membership recruitment at the regional level.
- To recommend specific actions to the ACWA Board on local, regional, state and federal issues as well as to recommend endorsement for various government offices and positions.

Region chairs and vice chairs, with support from their region boards, provide the regional leadership to fulfill this charge.

*Note: Individual region boards CANNOT take positions, action or disseminate communication on issues and endorsements without going through the ACWA Board structure.*

## GENERAL DUTIES / RESPONSIBILITIES FOR REGION OFFICERS

### Region Chair

- Serves as a member of the ACWA Board of Directors at bimonthly meetings at such times and places as the Board may determine. The Chair will also call at least two Region membership meetings to be held at each of the ACWA Conferences and periodic Region Board meetings.
- Serves as a member of ACWA's Outreach Program, and encourages region involvement. Appoints Outreach Captain to help lead outreach effort within the region.
- Presides over all region activities and ensures that such activities promote and support accomplishment of ACWA's Goals.
- Makes joint recommendations to the ACWA President regarding regional appointments to all ACWA committees.
- Appoints representatives in concurrence of the region board, to serve on the region's nominating committee with the approval of the region board.
- Facilitates communication from the region board and the region membership to the ACWA board and staff.

### Region Vice Chair

- Serves as a member of the ACWA Board of Directors at bimonthly meetings at such times and places as the Board may determine. The Vice Chair will also participate in at least two Region membership meetings to be held at each of the ACWA Conferences and periodic Region Board meetings.
- Performs duties of the Region Chair in the absence of the chair.
- Serves as a member of ACWA's Outreach Program, and encourages region involvement.
- Makes joint recommendations to the ACWA president regarding regional appointments to all ACWA committees.

### Region Board Member

- Participate in at least two Region membership meetings to be held at each of the ACWA Conferences and periodic Region Board meetings.
- Supports program planning and activities for the region.
- Actively participates and encourages region involvement in ACWA's Outreach Program.
- May serve as alternate for the chair and/or vice chair in their absence (if appointed) to represent the region to the ACWA Board.



RESOLUTION NO. \_\_\_\_\_

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE  
(DISTRICT NAME)  
PLACING IN NOMINATION (NOMINEE NAME)  
AS A MEMBER OF THE ASSOCIATION OF CALIFORNIA WATER AGENCIES  
REGION \_\_\_\_ (POSITION)**

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF (DISTRICT NAME) AS FOLLOWS:

A. Recitals

(i) The Board of Directors (Board) of the (District Name) does encourage and support the participation of its members in the affairs of the Association of California Water Agencies (ACWA).

(ii) (Nominee Title), (Nominee Name) is currently serving as (Position) for ACWA Region \_\_\_\_

and/or

(iii) (Nominee Name) has indicated a desire to serve as a (Position) of ACWA Region \_\_\_\_.

B. Resolves

NOW, THEREFORE, BE IT RESOLVED THAT THE BOARD OF DIRECTORS OF (DISTRICT NAME),

(i) Does place its full and unreserved support in the nomination of (Nominee Name) for the (Position) of ACWA Region \_\_\_\_.

(ii) Does hereby determine that the expenses attendant with the service of (Nominee Name) in ACWA Region \_\_\_\_ shall be borne by the (District Name).

Adopted and approved this \_\_\_\_ day of \_\_\_\_ (month) 2021.

(SEAL)

\_\_\_\_\_  
(Nominee Name), (Title)  
(District Name)

March 31, 2021

ATTEST:

\_\_\_\_\_  
(Secretary Name), Secretary

I, (SECRETARY NAME), Secretary to the Board of Directors of (District Name), hereby certify that the foregoing Resolution was introduced at a regular meeting of the Board of Directors of said District, held on the \_\_\_\_ day of \_\_\_\_ (month) 2021, and was adopted at that meeting by the following roll call vote:

AYES:

NOES:

ABSENT:

ATTEST:

\_\_\_\_\_  
(Secretary Name), Secretary to the  
Board of Directors of  
(District Name)

# REGION MAP

