

NOTICE OF MEETING

FINANCE & ADMINISTRATION COMMITTEE/BOARD OF DIRECTORS (FINANCE & ADMINISTRATION)

(Per paragraph 3 on page 10 under subsection *Committee Meetings* of the Board Handbook: The Board, as a practice, generally does not take final action on items during committee meetings, unless District staff determines the urgency of the item requires immediate action that cannot be delayed until a subsequent regular bi-monthly Board meeting.)

MEETING DATE: 09-22-2022

TIME: 9:30 a.m.

LOCATION: This meeting will be held virtually pursuant to Government Code section 54953 e (Assembly Bill (AB) 361).

To participate online, go to <https://us06web.zoom.us/j/81110533069>. You can also participate by phone by calling **1-669-900-6833** and entering the **webinar ID#: 811 1053 3069**.

PARTICIPATION DURING MEETINGS: During the public comment periods, the public may comment by clicking the “raise hand” button on the bottom of the Zoom screen; if you are joining by phone and would like to comment, press *9 and we will call on you as appropriate.

EMAILED PUBLIC COMMENTS: You may submit your comments in advance of the meeting by emailing them to BoardComment@MarinWater.org. All emailed comments received by 7:30 a.m. on the day of the meeting will be provided to the Board of Directors prior to the meeting. All emails will be posted on our website. (Please do not include personal information in your comment that you do not want published on our website such as phone numbers and home addresses.)

| AGENDA ITEMS | RECOMMENDATIONS |
|---|-----------------|
| Call to Order and Roll Call | |
| Adopt Agenda | Approve |
| Public Comment <i>Members of the public may comment on any items not listed on the agenda during this time. Comments will be limited to three minutes per speaker, and time limits may be reduced by the Committee Chair to accommodate the number of speakers and ensure that the meeting is conducted in an efficient manner.</i> | |

| AGENDA ITEMS | RECOMMENDATIONS |
|--|--------------------|
| Calendar | |
| 1. Minutes of the Finance & Administration Committee/Board of Directors (Finance & Administration) Meeting of August 25, 2022 (<i>Approximate Time 1 Minute</i>) | <i>Approve</i> |
| 2. Monthly Financial Update – August 2022 (<i>Approximate Time 20 Minutes</i>) | <i>Information</i> |
| 3. Update on Capital Improvements Program for Fiscal Year (FY) 2023 (<i>Approximate Time 20 Minutes</i>) | <i>Information</i> |
| Adjournment (<i>10:11 a.m.- Time Approximate</i>) | |

ADA NOTICE AND HEARING IMPAIRED PROVISIONS:

In accordance with the Americans with Disabilities Act (ADA) and California Law, it is Marin Water's policy to offer its public programs, services, and meetings in a manner that is readily accessible to everyone, including those with disabilities. If you are a person with a disability and require a copy of a public hearing notice, an agenda, and/or agenda packet in an appropriate alternative format, or if you require other accommodations, please contact Board Secretary Terrie Gillen at 415.945.1448, at least two days in advance of the meeting. Advance notification will enable the Marin Water to make reasonable arrangements to ensure accessibility.

INFORMATION PACKETS ARE AVAILABLE FOR REVIEW AT THE CIVIC CENTER LIBRARY, CORTE MADERA LIBRARY, FAIRFAX LIBRARY, MILL VALLEY LIBRARY, MARIN WATER OFFICE, AND ON THE MARIN WATER WEBSITE (MARINWATER.ORG)

FUTURE BOARD MEETINGS:

- ❖ Tentative - Tuesday, September 27, 2022
Board of Directors' Special Meeting
Strategic Water Supply Assessment
5:00 p.m.
- ❖ Tuesday, October 11, 2022
Board of Directors' Regular Bi-Monthly Meeting
7:30 p.m.


 Board Secretary



Item Number: 01
Meeting Date: 09-22-2022
Meeting: Finance &
Administration Committee/
Board of Directors (Finance &
Administration)

Approval Item

TITLE

Minutes of the Finance & Administration Committee/Board of Directors (Finance & Administration) Meeting of August 25, 2022

RECOMMENDATION

Approve the minutes

SUMMARY

On August 25, 2022, the Finance & Administration Committee/Board of Directors (Finance & Administration) held its regularly scheduled meetings. The minutes of that meeting are attached.

DISCUSSION

None

FISCAL IMPACT

None

ATTACHMENT(S)

1. Minutes of the August 25, 2022, Meeting of the Finance & Administration Committee/Board of Directors (Finance & Administration)

| DEPARTMENT OR DIVISION | DIVISION MANAGER | APPROVED |
|---|---|--|
| Communications & Public Affairs Department |  Terrie Gillen Board Secretary |  Ben Horenstein General Manager |

**MARIN MUNICIPAL WATER DISTRICT
FINANCE & ADMINISTRATION COMMITTEE /BOARD OF DIRECTORS (FINANCE &
ADMINISTRATION) MEETING**

MINUTES

Thursday, August 25, 2022

Via teleconference

(In accordance with Assembly Bill 361)

DIRECTORS PRESENT: Larry Bragman, Larry Russell, Monty Schmitt, Jack Gibson, and Cynthia Koehler (*Director Russell arrived during the second agenda item's presentation.*)

DIRECTORS ABSENT: None

CALL TO ORDER: Chair Koehler called the meeting to order at 9:30 a.m.

ADOPT AGENDA:

On motion made by Vice Chair Gibson and seconded by Director Schmitt, the board approved the adoption of the agenda. The following roll call vote was made.

Ayes: Directors Bragman, Schmitt, Gibson, and Koehler

Noes: None

Absent: Director Russell

There were no public comments.

PUBLIC COMMENT:

There were no public comments.

CALENDAR ITEMS:

Item 1 Minutes of the Finance & Administration Committee/Board of Directors (Finance & Administration) Meetings of May 26, 2022 and June 23, 2022

On motion made by Vice Chair Gibson and seconded by Director Bragman the board approved the minutes. The following roll call vote was made.

Ayes: Directors Bragman, Schmitt, Gibson, and Koehler

Noes: None

Absent: Director Russell

There were no public comments.

Item 2 Response to the Marin County Civil Grand Jury's Report Entitled "A Roadmap to Water Resilience for Marin Municipal Water District"

General Manager Ben Horenstein presented this item.

Director Russell arrived at 9:37 a.m.

The board provided feedback to staff, including expanding upon the proposed response.

There were three (3) public comments.

The board referred this item to a future board meeting for approval.

Item 3 Monthly Financial Update as of June 30, 2022

Finance Director/Treasurer Bret Uppendahl provided a presentation. He and the Board of Directors conversed throughout the presentation including a discussion of decreased water sales due to the high level of conservation, and the financial implication of the resultant loss in revenue.

There were three (3) public comments.

This was an informational item. The board did not take any formal action.

Item 4 Monthly Financial Update – May 2022

Mr. Uppendahl also presented this item. Discussion followed.

There was one (1) public comment.

Additional discussion ensued.

This was an informational item. The board did not take any formal action.


ADJOURNMENT


There being no further business, the Finance & Administration Committee/Board of Directors (Finance & Administration) meeting adjourned at 11:04 a.m.

Board Secretary

Informational Item

TO: Finance & Administration Committee/Board of Directors (Finance & Administration)

FROM: Bret Uppendahl, Finance Director 

THROUGH: Ben Horenstein, General Manager 

DIVISION NAME: Administrative Services Division

ITEM: Monthly Financial Update – August 2022

SUMMARY

The Monthly Financial Update provides an overview of the fiscal year-to-date financials. As of August 2022, District revenue is \$17.9 million, which is 15.5 percent of budgeted annual revenue, and total expenditures are \$15.3 million, or 13.7 percent of budget. It is notable that water sales are down by approximately 21 percent compared to the budget as conservation efforts continue to be realized.

DISCUSSION

Budget to Actual Comparison – All Funds

Attached is the budget to actual comparison for fiscal year 2022-23 as of August 31, 2022. The budget to actual comparison is prepared by fund and includes revenues, expenditures and reserve balances. For reference, if revenues and expenses tracked linearly, they would be expected to be at 16.7 percent of the fiscal year budget at the end of August.

For the Operating Fund, total revenues as of August 31, 2022 are \$15.1 million, or 16.4 percent of budget. Total operating expenditures of \$13.7 million, not including depreciation and amortization, are 14.9 percent of budget.

For the Capital and Fire Flow Funds, total revenues are \$2.8 million, which is 11.9 percent of budget. These revenues are comprised primarily of Capital Maintenance Fee (CMF) revenues of \$2.7 million. Spending on capital and fire flow projects is \$1.6 million, or 8.0 percent, of budget as of August 31, 2022, as CIP projects typically do not follow linear trends in expenditures. As noted in Attachment 4, an additional \$7.4 million is encumbered, bringing total expenditures with encumbrances to \$8.9 million, or 45.8 percent of budget.

Water Sales and Consumption

The fiscal year to date water sales through August 31, 2022 were \$10.2 million, which is 16.8 percent of the annual water sales forecast. Billed water consumption through August 31, 2022 was 4,038 AF, which is 2.5 percent lower than this time last year.

Year-to-date water sales and fixed charges (Service and Watershed Fees) through August 31, 2022 were \$14.6 million, which is 16.3 percent of total annual revenue forecast of \$89.5 million. Compared to the same period for the previous fiscal year water sales and fixed charges increased by \$479,035, or 3.4 percent.

Forecasts

Staff continues to assess the short term and long term impacts of reduced water sales and projections for FY 23 will be revised throughout the year as additional data is available. Assuming that water consumption remains consistent with recent trends, the District will face operating losses of \$12 to \$15 million. Under these circumstances, unbudgeted expenditures such as water purchases or pumping costs will likely consume most of the remaining Unrestricted Fund Balance by the end of the fiscal year.

In order to mitigate the use of reserves, Staff is taking targeted actions to reduce expenditures. These include delaying recruitments for open positions, deferring vehicle and equipment replacements, capping annual water conservation rebate funding, deferring and reprioritizing Capital Improvement Plan (CIP) expenditures, and utilizing the Capital Maintenance Fee to pay existing debt service. Staff is also reviewing revenue enhancement options such as increasing watershed use fees, charging sanitary districts for billing support, and selling surplus material and property.

FISCAL IMPACT

None

ATTACHMENT(S)

1. Total Water Sales and Fixed Charges & Fees 2021/22 – 2022/23
2. Billed Water Consumption in AF FY 2010/11 – FY 2022/23
3. Budget to Actual Comparison for FY 23
4. CIP Budget to Actual Comparison for FY 23

**Total Water Sales and Fixed Charges & Fees
Fiscal Years 2021/22 - 2022/23**

| Water Sales | | | Fixed Charges | | | | | | Total Water Sales and Fixed Charges | | |
|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|---------------------|---------------------|-------------------|-------------------------------------|----------------------|----------------------|
| | | | Service Charges | | | Watershed Fee | | | | | |
| 21/22 | 22/23 | 22/23 | 21/22 | 22/23 | 22/23 | 21/22 | 22/23 | 22/23 | 21/22 | 22/23 | 22/23 |
| <u>Actual</u> | <u>Budget</u> | <u>Actual</u> | <u>Actual</u> | <u>Budget</u> | <u>Actual</u> | <u>Actual</u> | <u>Budget</u> | <u>Actual</u> | <u>Actual</u> | <u>Budget</u> | <u>Actual</u> |
| 3,893,617 | \$4,948,239 | 4,007,410 | 1,432,518 | 1,531,262 | 1,492,604 | 332,621 | 353,462 | 347,451 | 5,658,756 | \$6,832,962 | 5,847,466 |
| 5,886,691 | \$7,946,782 | 6,240,804 | 2,074,186 | 2,217,160 | 2,023,005 | 455,201 | 483,723 | 442,595 | 8,416,079 | \$10,647,665 | 8,706,404 |
| 4,294,155 | \$5,798,487 | | 1,481,820 | 1,583,962 | | 342,629 | 364,097 | | 6,118,604 | \$7,746,546 | - |
| 5,453,392 | \$7,767,333 | | 2,192,958 | 2,344,119 | | 477,901 | 507,845 | | 8,124,251 | \$10,619,297 | - |
| 2,677,846 | \$4,666,597 | | 1,486,790 | 1,589,274 | | 346,372 | 368,075 | | 4,511,008 | \$6,623,946 | - |
| 3,552,122 | \$5,657,127 | | 2,031,521 | 2,171,553 | | 441,494 | 469,157 | | 6,025,136 | \$8,297,837 | - |
| 1,664,573 | \$2,573,704 | | 1,135,794 | 1,214,085 | | 255,662 | 271,681 | | 3,056,029 | \$4,059,470 | - |
| 3,880,028 | \$4,131,394 | | 2,641,800 | 2,823,900 | | 593,654 | 630,851 | | 7,115,482 | \$7,586,145 | - |
| 2,285,758 | \$2,508,805 | | 1,539,758 | 1,645,893 | | 355,428 | 377,699 | | 4,180,944 | \$4,532,397 | - |
| 4,289,931 | \$4,791,568 | | 2,160,928 | 2,309,881 | | 473,692 | 503,373 | | 6,924,551 | \$7,604,822 | - |
| 2,973,096 | \$3,476,035 | | 1,509,254 | 1,613,287 | | 348,806 | 370,662 | | 4,831,157 | \$5,459,984 | - |
| 5,266,386 | \$6,615,188 | - | 2,186,861 | 2,337,601 | - | 476,966 | 506,852 | - | 7,930,213 | \$9,459,641 | - |
| \$ 46,117,595 | \$ 60,881,258 | \$ 10,248,214 | \$ 21,874,190 | \$ 23,381,979 | \$ 3,515,609 | \$ 4,900,426 | \$ 5,207,474 | \$ 790,046 | \$ 72,892,211 | \$ 89,470,711 | \$ 14,553,869 |

| | | | | | | | | | | |
|---------------------|----------------------|----------------------|---------------------|---------------------|---------------------|-------------------|-------------------|-------------------|---------------------------------|----------------|
| \$ 9,780,308 | \$ 12,895,020 | \$ 10,248,214 | \$ 3,506,705 | \$ 3,748,422 | \$ 3,515,609 | \$ 787,822 | \$ 837,185 | \$ 790,046 | Original Budget-to-Actual Basis | -16.74% |
| | | | | | | | | | Actual-to-Actual Basis | 3.40% |
| | | | | | | | | | % of total budget received | 16.27% |

Fiscal Year 2010/11 - 2022/23

| | | | | | | | | | | | | | | | Actual to Monthly Actual % | |
|------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|-----------------|-----------------|-----------------|--|--------|
| Month | 10/11 Actual | 11/12 Actual | 12/13 Actual | 13/14 Actual | 14/15 Actual | 15/16 Actual | 16/17 Actual | 17/18 Actual | 18/19 Actual | 19/20 Actual | 2021 Actual | 21/22 Actual | 22/23 Budget | 22/23 Actual | Budget Variance | Change |
| July | 1,968 | 1,852 | 2,160 | 2,205 | 1,969 | 1,628 | 1,876 | 1,931 | 1,975 | 1,834 | 2,022 | 1,642 | 1,868 | 1,562 | -16.42% | -4.92% |
| August | 3,457 | 3,154 | 3,564 | 3,407 | 3,186 | 2,620 | 3,012 | 3,206 | 3,245 | 3,112 | 3,215 | 2,500 | 3,018 | 2,476 | -17.95% | -0.95% |
| September | 2,309 | 2,175 | 2,333 | 2,244 | 1,973 | 1,775 | 1,939 | 2,027 | 2,145 | 2,112 | 2,205 | 1,604 | 2,016 | - | | |
| October | 3,286 | 3,045 | 3,163 | 3,215 | 2,778 | 2,583 | 2,767 | 3,140 | 2,951 | 3,058 | 3,124 | 2,293 | 2,856 | - | | |
| November | 1,628 | 1,585 | 1,586 | 1,931 | 1,454 | 1,490 | 1,340 | 1,705 | 1,664 | 1,837 | 1,882 | 1,153 | 1,634 | - | | |
| December | 1,784 | 1,986 | 1,911 | 2,433 | 1,984 | 1,935 | 1,646 | 1,914 | 2,169 | 2,295 | 2,418 | 1,439 | 2,080 | - | | |
| January | 1,071 | 1,200 | 1,005 | 1,342 | 1,065 | 991 | 910 | 942 | 993 | 1,186 | 1,157 | 735 | 1,018 | - | | |
| February | 1,625 | 1,858 | 1,680 | 1,996 | 1,651 | 1,450 | 1,392 | 1,754 | 1,525 | 1,556 | 1,625 | 1,646 | 1,588 | - | | |
| March | 958 | 1,079 | 1,054 | 1,042 | 1,048 | 832 | 846 | 992 | 879 | 1,105 | 970 | 948 | 975 | - | | |
| April | 1,640 | 1,676 | 2,016 | 1,627 | 1,910 | 1,467 | 1,375 | 1,612 | 1,427 | 1,883 | 1,775 | 1,717 | 1,700 | - | | |
| May | 1,321 | 1,266 | 1,655 | 1,308 | 1,379 | 1,067 | 1,092 | 1,240 | 1,224 | 1,378 | 1,459 | 1,209 | 1,318 | - | | |
| June | 2,568 | 2,789 | 3,161 | 2,642 | 2,344 | 2,478 | 2,416 | 2,516 | 2,349 | 2,711 | 2,559 | 2,217 | 2,459 | - | | |
| TOTAL | 23,614 | 23,666 | 25,290 | 25,390 | 22,742 | 20,316 | 20,611 | 22,978 | 22,546 | 24,065 | 24,410 | 19,104 | 22,531 | 4,038 | | |
| Budget-to-Actual Basis | | | | | | | | | | | | | | | -17.37% | |
| Actual-to-Actual Basis | | | | | | | | | | | | | | | -2.53% | |
| % of total budget | | | | | | | | | | | | | | | 17.92% | |

Marin Municipal Water District
Budget to Actual Comparison for 2022/23 - All Funds
Actual as of Aug. 31, 2022
Preliminary Unaudited

Operating Fund

| Revenues and Expenditures | 2022/23 Adjusted Budget | Actual as of August 31, 2022 | % of Budget |
|--|------------------------------------|---|------------------------|
| Revenues: | | | |
| <i>Water Sales and Service Charge:</i> | | | |
| Water Sales | \$ 60,881,258 | \$ 10,248,214 | 16.8% |
| Service Charge | 23,381,979 | 3,515,609 | 15.0% |
| Watershed Management Fee | 5,207,474 | 790,046 | 15.2% |
| Total Water Sales and Service Charge | 89,470,711 | 14,553,869 | 16.3% |
| <i>Other Revenues:</i> | | | |
| Rents | 666,903 | 128,734 | 19.3% |
| Grants | - | - | |
| Watershed Rents | 939,166 | 158,460 | 16.9% |
| Watershed Payments | 365,116 | 65,870 | 18.0% |
| Late Payment and Special Read Charges | 120,133 | 32,261 | 26.9% |
| Interest | 286,804 | 68,315 | 23.8% |
| Miscellaneous | 350,647 | 78,318 | 22.3% |
| Total Other Revenues | 2,728,769 | 531,958 | 19.5% |
| Total Operating Revenues | 92,199,480 | 15,085,828 | 16.4% |
| Expenditures: | | | |
| Personnel services | 56,248,399 | 8,255,000 | 14.7% |
| Materials and supplies | 3,380,764 | 436,013 | 12.9% |
| Operations | 7,256,057 | 629,001 | 8.7% |
| Water conservation rebate program | 591,000 | 35,633 | 6.0% |
| Electrical power | 5,744,356 | 1,622,280 | 28.2% |
| Water purchased | 8,424,000 | 1,090,382 | 12.9% |
| Insurance, including claims | 1,463,000 | 337,570 | 23.1% |
| General and administrative | 4,067,390 | 500,622 | 12.3% |
| Debt service - interest and principal | 9,706,507 | 1,617,751 | 16.7% |
| Overhead cost allocated to capital | (4,700,000) | (820,304) | 17.5% |
| Total Operating Expenditures | 92,181,473 | 13,703,947 | 14.9% |
| Transfer out to Capital Fund (PayGo) | - | - | |
| Net Operating Fund Increase(Decrease) | \$ 18,007 | \$ 1,381,880 | |

Marin Municipal Water District
Budget to Actual Comparison for 2022/23 - All Funds
Actual as of Aug. 31, 2022
Preliminary Unaudited

Capital and Fire Flow Funds

| Revenues and Expenditures | Budget | Actual as of August 31, 2022 | % of Budget |
|--|---------------------|---|------------------------|
| Revenues: | | | |
| Customer Reimbursement Project | \$ 710,182 | \$ 90,762 | 12.8% |
| Interest Income | 10,000 | 1,688 | 16.9% |
| Transfer-in from Operating (PayGo) | - | - | |
| Contributed Capital: | | | |
| Fire Flow | 4,500,000 | 26,791 | 0.6% |
| Capital Maintenance Fee | 18,065,625 | 2,653,430 | 14.7% |
| Capital Connection Fee | 100,000 | 7,025 | 7.0% |
| Capital Grants & Contribution | | 4,308 | |
| Total Revenues and Contributed Capital | <u>23,385,807</u> | <u>2,784,002</u> | 11.9% |
| Capital Expenditures: | | | |
| Capital Projects - District | 13,735,866 | 1,416,353 | 10.3% |
| Capital Projects - Fire Flow | 4,500,000 | 74,398 | 1.7% |
| Capital equipment purchases | 1,299,770 | 65,220 | 5.0% |
| Total Capital and Fire Flow Expenditures | <u>19,535,636</u> | <u>1,555,970</u> | 8.0% |
| Net Capital and Fire Flow Fund Increase(Decrease) | <u>\$ 3,850,171</u> | <u>\$ 1,228,032</u> | 31.9% |

| CIP Projects | FY2022/23 Adjusted Budget | Capital Projects YTD Actual Expenditures As of 8/31/22 | Encumbered for Contracts As of 8/31/22 | Total Capital & Fire Flow As of 8/31/22 |
|--|------------------------------|--|--|---|
| | | | | |
| District Pipeline Replacement / Improvement | \$ 5,880,500 | \$ 838,980 | \$ 2,157,265 | \$ 2,996,245 |
| | | | | |
| Replacements - Tank Maintenance & Replacement | \$ 1,030,000 | \$ 56,477 | \$ 363,976 | \$ 420,453 |
| | | | | |
| Replacements - Treatment Plant Facilities | \$ 650,000 | \$ 208,455 | \$ 832,378 | \$ 1,040,833 |
| | | | | |
| Replacements - Dam/Pump/Control System/Meters | \$ 802,000 | \$ 111,641 | \$ 42,466 | \$ 154,107 |
| | | | | |
| Fire Chief's Fund | \$ 150,000 | \$ 325 | 3,708 | \$ 4,033 |
| | | | | |
| Program Management- Asset Mangement | \$ 1,050,000 | \$ - | - | \$ - |
| | | | | |
| System Improvements | \$ 20,000 | \$ 3,859 | \$ - | \$ 3,859 |
| | | | | |
| Watershed - Minor Structures I/R/R | - | - | - | \$ - |
| | | | | |
| Watershed - Ranger Residence & Minor Structure Im | - | - | - | \$ - |
| | | | | |
| Watershed - Trail Repair and Improvement | 50,000 | - | - | \$ - |
| | | | | |
| Watershed - Road Repair & Improvement | 870,000 | 88,294 | 242,679 | \$ 330,973 |
| | | | | |
| Watershed - Natural Resource Project | 1,278,970 | 7,453 | 811,367 | \$ 818,820 |
| | | | | |
| Reimbursable Grant Projects | 1,540,455 | 17,963 | 70,179 | \$ 88,142 |
| | | | | |
| Information Technology - Capital Equipments/Projec | \$ 150,000 | \$ - | \$ - | \$ - |
| | | | | |
| Fire Flow Replacement | \$ 4,500,000 | \$ 74,398 | \$ 2,692,990 | \$ 2,767,388 |
| | | | | |
| Capital Equipment Purchases | \$ 1,299,770 | \$ 65,220 | \$ 170,455 | \$ 235,675 |
| | | | | |
| Total Capital Projects | \$ 19,535,636 | \$ 1,555,970 | \$ 7,387,462 | \$ 8,943,432 |




Item Number: 03
Meeting Date: 09-22-2022
Meeting: Finance &
Administration
Committee/Board of Directors
(Finance & Administration)

Informational Item

TO: Finance & Administration Committee/Board of Directors (Finance & Administration)

FROM: Crystal Yezman, Director of Engineering 

THROUGH: Ben Horenstein, General Manager 

DIVISION NAME: Engineering

ITEM: Update on Capital Improvement Program for Fiscal Year (FY) 2023

SUMMARY

Staff will review active projects currently underway, recently completed projects, and projects planned for the capital improvement program in fiscal year 2023, including estimated expenditures, and project details.

DISCUSSION

Due to revenue reductions stemming from the drought, as well as a need to delay construction of the Pine Mountain Tunnel Tanks Replacement Project to maintain grant eligibility under the Hazard Mitigation Program, planned capital expenditures for fiscal year 2023 have been reprioritized and reduced from \$35,500,000 to \$24,490,000 with funding through the capital maintenance fee revenue, fire flow fee revenue, grant awards, state appropriations, connection fees, and customer reimbursements.

Staff will present details of active and postponed capital projects anticipated through fiscal year 2023, including status, cost, schedule, location, and benefits.

FISCAL IMPACT

None at this time.

ATTACHMENT(S)

1. Attachment 1 – Current Capital Improvement Program for Fiscal Year 2023

Current Capital Improvement Program for Fiscal Year 2023

September 22, 2022
Finance Committee



PIPELINES

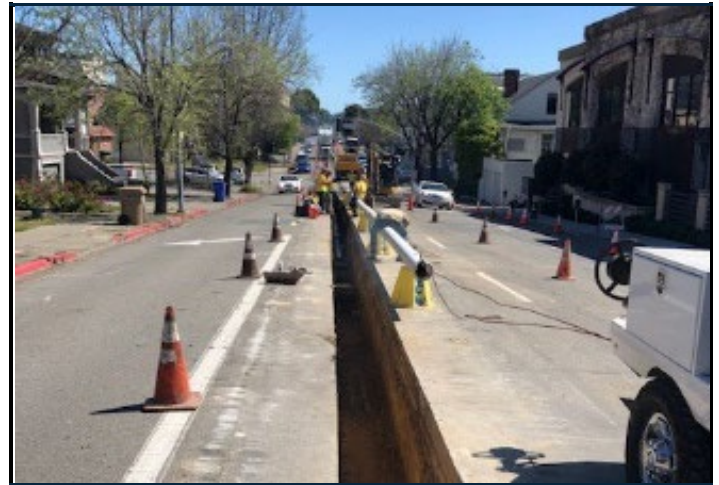
Current Capital Improvement Program
Fiscal Year 2023





Project 3rd Street Pipeline Replacement Project
Program A1A02A Replacements - Distribution Pipelines
Project No. D17026
Contact Mark Kasraie, MKasraie@marinwater.org

PROJECT LOCATION



PROJECT DESCRIPTION

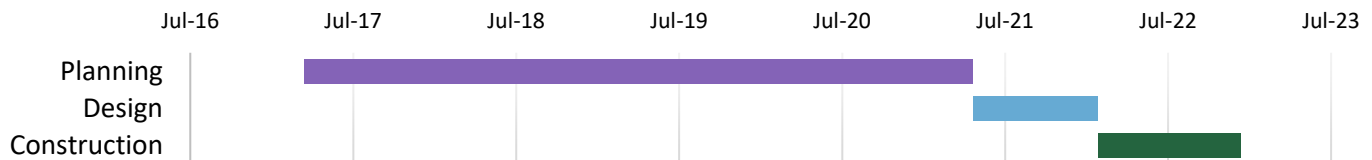
Installation of up to 6,570-feet of new 8-inch, 6-inch and 4-inch welded steel pipe along 3rd Street from San Rafael High School to Hayes Street to replace vulnerable and dated 6" CI pipe from 1926 in San Rafael. This is a joint project with the City of San Rafael's 3rd Street Rehabilitation Project.

BENEFITS

The benefit of this project is to replace over one mile of 95-year-old 6-inch cast iron pipe on the high traffic 3rd Street in downtown San Rafael in coordination with the City of San Rafael's 3rd Street Rehabilitation Project to minimize inconvenience to the public and shorten the project schedule.

SCHEDULE & STATUS

March 2017 to December 2022



EXPENDITURE SCHEDULE

| Actuals Through FY 22 (Rounded) | FY 23 Estimate | Total |
|---------------------------------|----------------|-------------|
| \$2,206,000 | \$1,440,000 | \$3,646,000 |

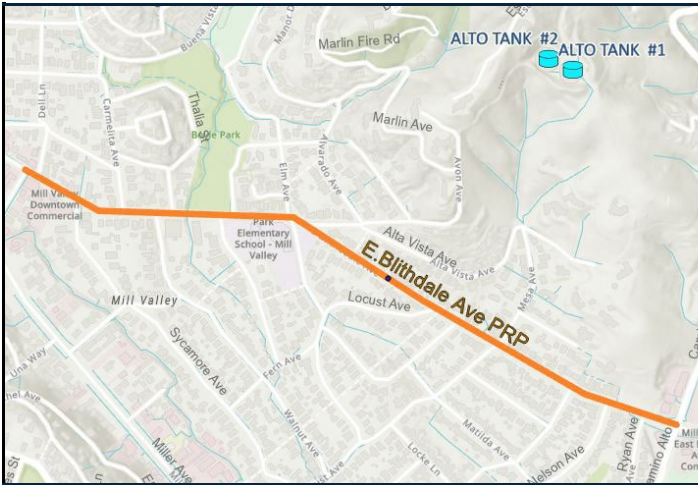
FUNDING SOURCES

| | |
|--------------------------|--------------------|
| Capital Maintenance Fund | \$3,646,000 |
| Other Funding Sources | - |
| Total | \$3,646,000 |



Project East Blithedale Ave Pipeline Replacement Project
Program A1A02A Replacements - Distribution Pipelines
Project No. D20021
Contact Mark Kasraie, MKasraie@marinwater.org

PROJECT LOCATION



PROJECT DESCRIPTION

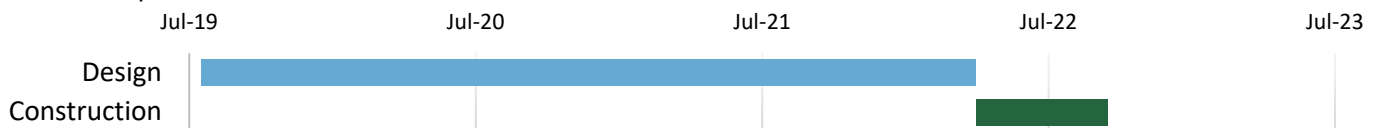
Install 4,400 feet of 8-inch Welded Steel and PVC pipe to replace 8-inch cast iron pipe installed in 1921 on Blithedale Avenue between Millwood Street and Camino Alto in the Town of Mill Valley.

BENEFITS

This project will replace leak prone piping installed as early as 1921 with new seismically resilient pipeline ahead of the City of Mill Valley's street overlay project.

SCHEDULE & STATUS

July 2019 to September 2022



EXPENDITURE SCHEDULE

| Actuals Through FY 22 (Rounded) | FY 23 Estimate | Total |
|---------------------------------|----------------|-------------|
| \$1,654,000 | \$1,200,000 | \$2,854,000 |

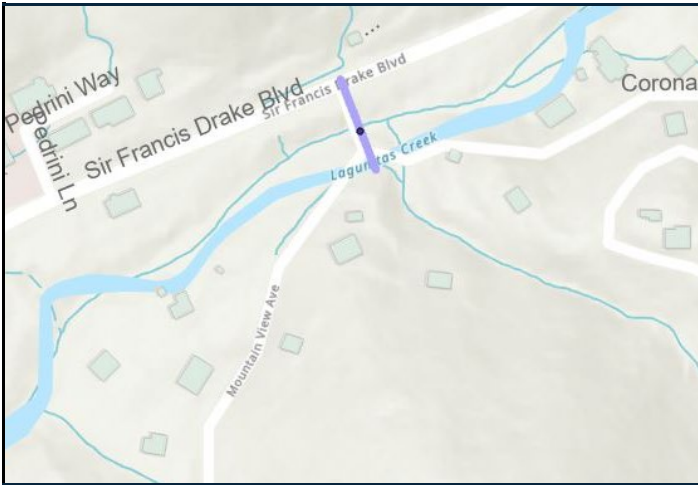
FUNDING SOURCES

| | |
|--------------------------|--------------------|
| Capital Maintenance Fund | \$2,854,000 |
| Other Funding Sources | - |
| Total | \$2,854,000 |



| | |
|--------------------|---|
| Project | San Geronimo Creek Crossing Pipeline Replacement Project |
| Program | A1A02A Replacements - Distribution Pipelines |
| Project No. | D21042 |
| Contact | Dion Mokhtari, DMokhtari@marinwater.org |

PROJECT LOCATION



PROJECT DESCRIPTION

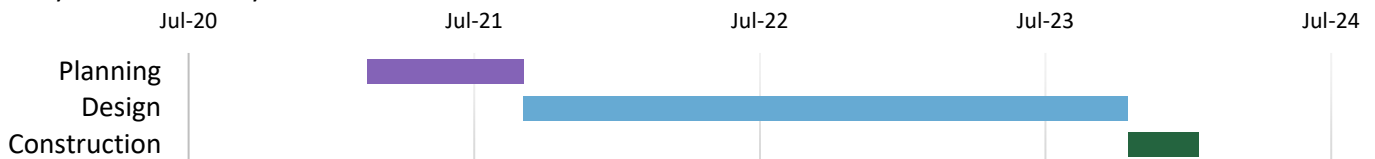
Temporary relocation of 160 feet of 6-inch pipe from Mountain View Rd Bridge onto a temporary utility crossing. This project is in coordination with Marin County's Mountain View Rd Bridge replacement project.

BENEFITS

This project will relocate the water main on a new seismically resilient concrete bridge that the Marin County Public Works Department is constructing. This section of water main provides system redundancy for the community in that area and for fire protection.

SCHEDULE & STATUS

February 2021 to January 2024



EXPENDITURE SCHEDULE

| Actuals Through FY 22 (Rounded) | FY 23 Estimate | Total |
|------------------------------------|-------------------|-----------|
| \$47,000 | \$220,000 | \$267,000 |

FUNDING SOURCES

| | |
|--------------------------|------------------|
| Capital Maintenance Fund | \$267,000 |
| Other Funding Sources | - |
| Total | \$267,000 |



Project Meadow Way Bridge Pipeline Replacement Project
Program A1A02A Replacements - Distribution Pipelines
Project No. D22024
Contact Dion Mokhtari, DMokhtari@marinwater.org

PROJECT LOCATION



PROJECT DESCRIPTION

Installation of 120 feet of 8-inch pipe onto the Meadow Way Bridge. This project is in coordination with the Town of Fairfax's Meadow Way Bridge replacement project.

BENEFITS

This project will relocate the water main on a new seismically resilient concrete bridge that the Town of Fairfax is constructing. This section of water main provides system redundancy for the community in that area and fire protection.

SCHEDULE & STATUS

December 2021 to February 2024



EXPENDITURE SCHEDULE

| Actuals Through FY 22 (Rounded) | FY 23 Estimate | FY 24 Estimate | Total |
|---------------------------------|----------------|----------------|-----------|
| \$22,000 | \$40,000 | \$120,000 | \$182,000 |

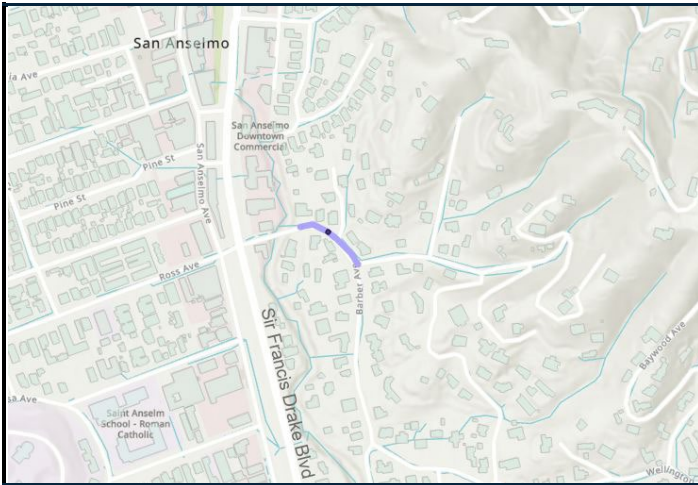
FUNDING SOURCES

| | |
|--------------------------|------------------|
| Capital Maintenance Fund | \$182,000 |
| Other Funding Sources | - |
| Total | \$182,000 |



Project Barber Ave Pipeline Replacement Project
Program A1A02A Replacements - Distribution Pipelines
Project No. D22025
Contact Zak Talbott, ZTalbott@marinwater.org

PROJECT LOCATION



PROJECT DESCRIPTION

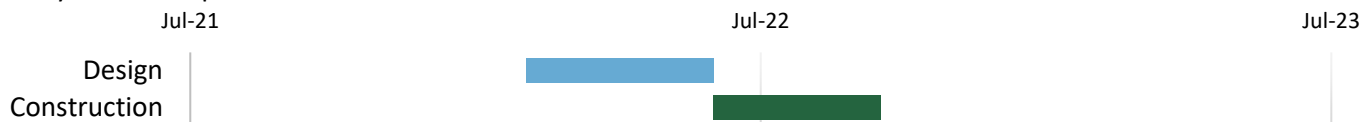
Install approximately 350 feet of 6-inch pipe to replace 6-inch galvanized threaded pipe installed in 1902 on Barber Ave Avenue between Prospect Ave and VA-0916 ahead of the town of San Anselmo's street overlay project.

BENEFITS

This Project will replace leak prone piping installed as early as 1902 with new seismically resilient pipeline ahead of the Town of San Anselmo's street overlay project.

SCHEDULE & STATUS

February 2022 to September 2022



EXPENDITURE SCHEDULE

| Actuals Through FY 22 (Rounded) | FY 23 Estimate | Total |
|------------------------------------|-------------------|-----------|
| \$28,000 | \$240,000 | \$268,000 |

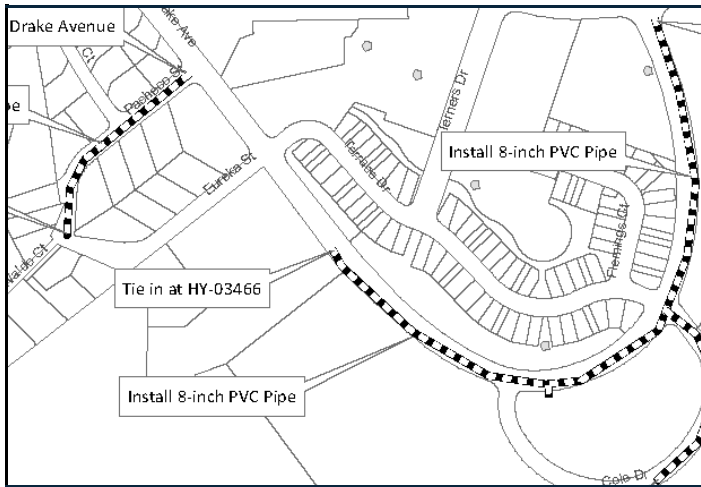
FUNDING SOURCES

| | |
|--------------------------|------------------|
| Capital Maintenance Fund | \$268,000 |
| Other Funding Sources | - |
| Total | \$268,000 |



Project Cole Drive Pipeline Replacement Project
Program A1A02A Replacements - Distribution Pipelines
Project No. D23007
Contact Zak Talbott, ZTalbott@marinwater.org

PROJECT LOCATION



PROJECT DESCRIPTION

Install approximately 3,500 feet of 8-inch and 6-inch PVC pipe to replace existing 8-inch and 6-inch cast iron pipe installed in 1959 on Cole Drive, Drake Avenue and Pacheco Street in Marin City.

BENEFITS

This Project will replace leak prone piping installed as early as 1959 with new seismically resilient pipeline.

SCHEDULE & STATUS

August 2022 to June 2023



EXPENDITURE SCHEDULE

| FY 23 Estimate | FY 24 Estimate | Total |
|-------------------|-------------------|-------------|
| \$300,000 | \$1,000,000 | \$1,300,000 |

FUNDING SOURCES

| | |
|--------------------------|--------------------|
| Capital Maintenance Fund | \$1,300,000 |
| Other Funding Sources | - |
| Total | \$1,300,000 |



Project East Bay Intertie Project
Program A1A03 Replacements - Transmission Pipelines
Project No. D21036
Contact Mark Kasraie, MKasraie@marinwater.org

PROJECT LOCATION



PROJECT DESCRIPTION

Increase the capacity of the water system by building an intertie pipeline, two pump stations, and water storage tanks to transfer imported water through the East Bay Municipal Utility District distribution system to Marin Water. We are currently preparing an Environmental Impact Report, which is scheduled to be complete by July 2023. Material purchases are being reallocated to support other capital improvement projects.

BENEFITS

This project seeks to increase the district's resiliency to long-term droughts by supplementing local water storage with as much as 12,500 acre-feet.

SCHEDULE & STATUS

Project is on hold pending results of strategic water supply assessment.

EXPENDITURE SCHEDULE

| Actuals Through FY 22 (Rounded) | FY 23 Estimate | Total |
|------------------------------------|-------------------|-------|
| \$3,576,000 | \$1,100,000 | TBD |

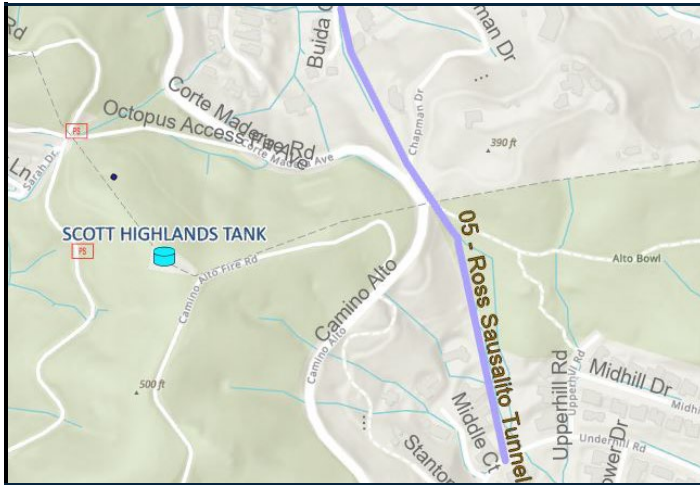
*FY 23 estimate includes remaining professional service agreements and Caltrans reimbursement

FUNDING SOURCES

| | |
|--------------------------|--------------------|
| Capital Maintenance Fund | \$1,100,000 |
| Rate Stabilization | \$3,576,000 |
| Total | \$4,676,000 |

| | |
|--------------------|---|
| Project | Mill Valley / Alto Tunnel Pipeline Replacement - Fire Flow Improvement Program |
| Program | A2A Fire Flow Improvement Program |
| Project No. | F12006 |
| Contact | Zak Talbott, ZTalbott@marinwater.org |

PROJECT LOCATION



PROJECT DESCRIPTION

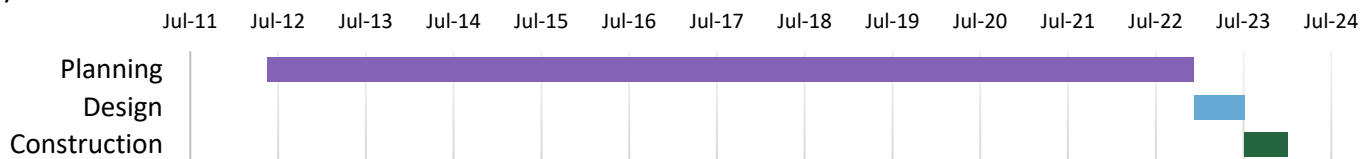
Project will install new 24" pipe to replace old, vulnerable and undersized 18" and 12" fireflow deficient leak prone pipe installed in 1909. Existing pipeline alignment is in residents' backyards and the new pipeline will be realigned to County of Marin Open Space and an undeveloped City of Mill Valley parcel.

BENEFITS

The Fire Flow Improvement Program Mill Valley/ Alto Tunnel Pipeline Replacement Project will install new 24" pipeline to replace old, undersized 12" and 18" fire flow deficient pipe in the City of Mill Valley.

SCHEDULE & STATUS

May 2012 to November 2023



EXPENDITURE SCHEDULE

| Actuals Through FY 22 (Rounded) | FY 23 Estimate | FY 24 Estimate | Total |
|---------------------------------|----------------|----------------|-------------|
| \$73,000 | \$750,000 | \$760,000 | \$1,583,000 |

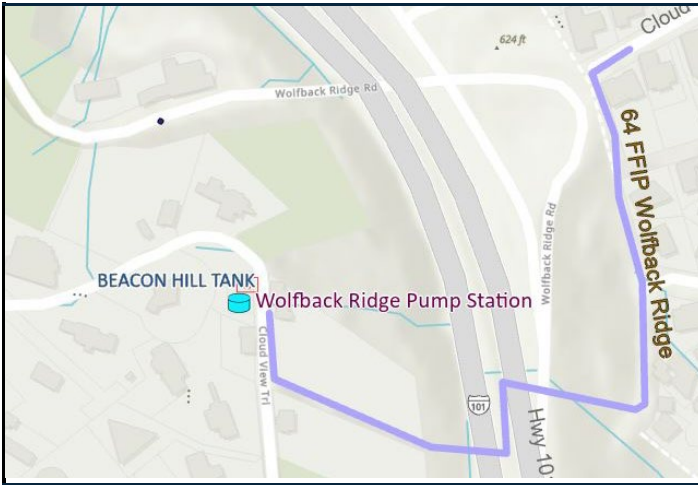
FUNDING SOURCES

| | |
|------------------------------------|--------------------|
| Capital Maintenance Fund | - |
| Fire Flow Improvement Program Fund | \$1,583,000 |
| Total | \$1,583,000 |



Project Wolfback Ridge - Fire Flow Improvement Program
Program A2A Fire Flow Improvement Program
Project No. F18002
Contact Matthew Steiner, MSteiner@marinwater.org

PROJECT LOCATION



PROJECT DESCRIPTION

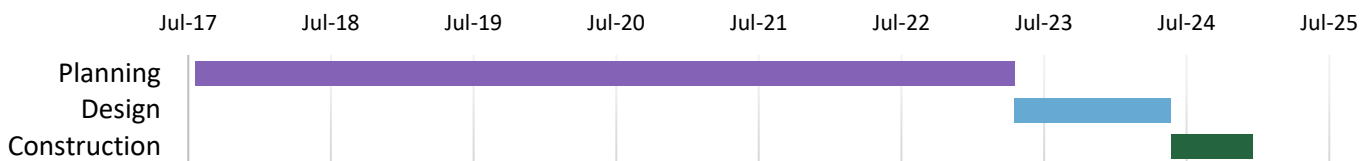
Installation of approximately 2,200 feet of 8-inch welded steel pipe to replace leak prone 1953 6-inch cast iron pipe that crosses beneath Highway 101. This project is to improve fireflow and seismic reliability of the system in this area.

BENEFITS

The benefit of this project is to replace and relocate old leak prone, seismically deficient pipe from beneath Hwy 101 onto a freeway over pass, which will improve accessibility for maintenance and improve fire flow and seismic resiliency of the system and eliminate the impact to traffic on Hwy 101.

SCHEDULE & STATUS

July 2017 to December 2024



EXPENDITURE SCHEDULE

| Actuals Through FY 22 (Rounded) | FY 23 Estimate | FY 24 Estimate | FY 25 Estimate | Total |
|------------------------------------|-------------------|-------------------|-------------------|-------------|
| \$28,000 | \$80,000 | \$150,000 | \$2,000,000 | \$2,258,000 |

FUNDING SOURCES

| | |
|------------------------------------|--------------------|
| Capital Maintenance Fund | - |
| Fire Flow Improvement Program Fund | \$2,258,000 |
| Total | \$2,258,000 |



Project Ridge Road - Fire Flow Improvement Program
Program A2A Fire Flow Improvement Program
Project No. F21002
Contact Dion Mokhtari, DMokhtari@marinwater.org

PROJECT LOCATION



PROJECT DESCRIPTION

The project will install approximately 5,100 feet of 8-inch welded steel pipe and 450 feet of 10-inch HDPE pipe to replace old, leak prone cast iron pipe installed in 1953 in support of the District's Fire Flow Improvement Program.

BENEFITS

This project will replace leak prone, fire flow deficient pipe with new seismically resilient pipe and improve fire flow within this community.

SCHEDULE & STATUS

December 2020 to August 2022 | Completed



EXPENDITURE SCHEDULE

| Actuals Through FY 22 (Rounded) | FY 23 Estimate | Total |
|------------------------------------|-------------------|-------------|
| \$2,114,000 | \$100,000 | \$2,214,000 |

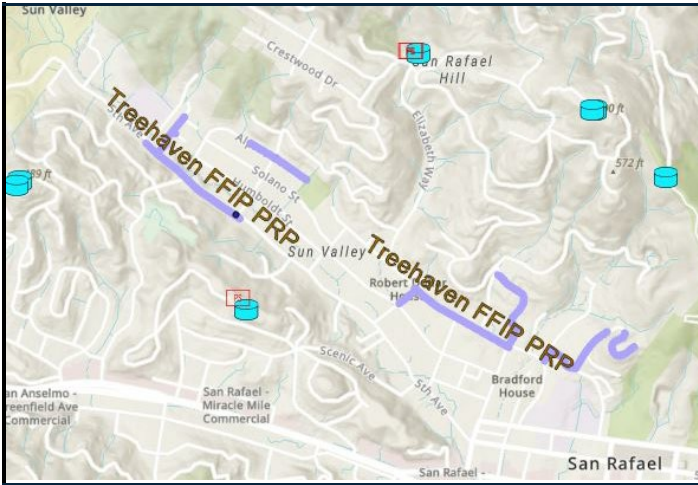
FUNDING SOURCES

| | |
|------------------------------------|--------------------|
| Capital Maintenance Fund | - |
| Fire Flow Improvement Program Fund | \$2,214,000 |
| Total | \$2,214,000 |



| | |
|-------------|--|
| Project | Treehaven Pipeline Replacement Project - Fire Flow Improvement Program |
| Program | A2A Fire Flow Improvement Program |
| Project No. | F21003 |
| Contact | Hagar Negash, HNegash@marinwater.org |

PROJECT LOCATION



PROJECT DESCRIPTION

Installation of 3950 feet of 8-inch pipe and 2710 feet of 6-inch pipe to replace leak prone, fire flow deficient 4-inch cast iron pipe in San Rafael from 1927. This project will improve fire flow and seismic reliability in this area and is in support of the District's Fire Flow Improvement Program.

BENEFITS

This project will have multiple benefits, including increased fire flow for the Treehaven neighborhood, replacing, and upgrading a 90-year-old leak prone pipe.

SCHEDULE & STATUS

April 2021 to February 2023



EXPENDITURE SCHEDULE

| Actuals Through FY 22 (Rounded) | FY 23 Estimate | Total |
|---------------------------------|----------------|-------------|
| \$192,000 | \$3,500,000 | \$3,692,000 |

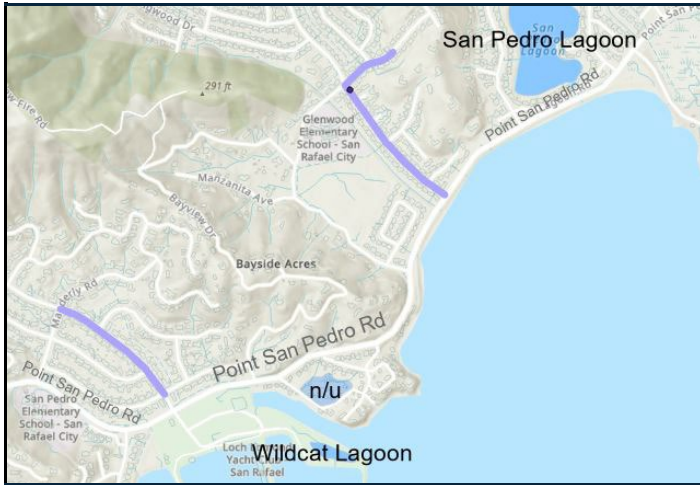
FUNDING SOURCES

| | |
|------------------------------------|--------------------|
| Capital Maintenance Fund | - |
| Fire Flow Improvement Program Fund | \$3,692,000 |
| Total | \$3,692,000 |



| | |
|--------------------|---|
| Project | Glenwood Transmission Pipeline Replacement - Fire Flow Improvement Program |
| Program | A2A Fire Flow Improvement Program |
| Project No. | F22002 |
| Contact | Dion Mokhtari, DMokhtari@marinwater.org |

PROJECT LOCATION



PROJECT DESCRIPTION

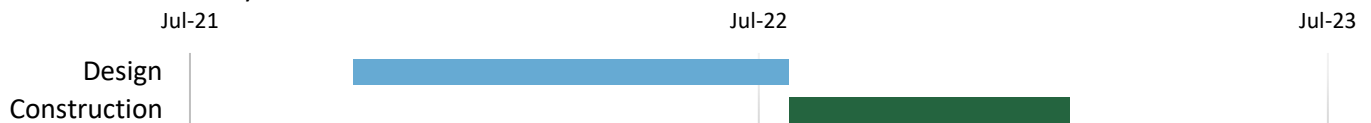
Installation of approximately 5,400 feet of 12-inch welded steel pipe to replace vulnerable 1954 cast iron pipe to improve fire flow and seismic reliability of the system in this area of San Rafael in support of the District's Fire Flow Improvement Program.

BENEFITS

The benefit of this project is to replace old 1954 cast iron pipe with new 12-inch welded steel pipe to improve fire flow and seismic resiliency of the system.

SCHEDULE & STATUS

October 2021 to January 2023



EXPENDITURE SCHEDULE

| Actuals Through FY 22 (Rounded) | FY 23 Estimate | Total |
|------------------------------------|-------------------|-------------|
| \$70,000 | \$1,600,000 | \$1,670,000 |

FUNDING SOURCES

| | |
|------------------------------------|--------------------|
| Capital Maintenance Fund | - |
| Fire Flow Improvement Program Fund | \$1,670,000 |
| Total | \$1,670,000 |



Project Redwood Drive Pipeline Replacement Project - Fire Flow Improvement Program
Program A2A Fire Flow Improvement Program
Project No. F22003
Contact Dion Mokhtari, DMokhtari@marinwater.org

PROJECT LOCATION



PROJECT DESCRIPTION

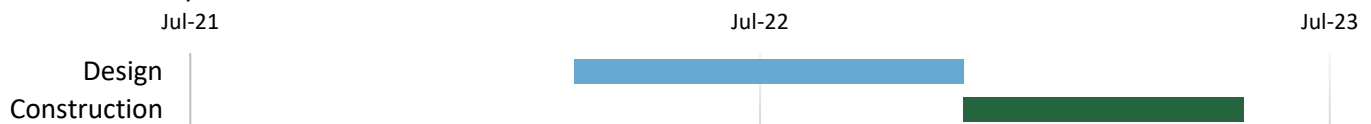
Installation of approximately 4,300 ft. of 6-inch welded steel piping in various streets in the Town of Woodacre to replace old leak prone fire flow deficient pipe installed as early as 1914 in support of the Districts Fire Flow Improvement Program.

BENEFITS

This project will install seismically resilient pipe and will increase the fire flow in the community.

SCHEDULE & STATUS

March 2022 to May 2023



EXPENDITURE SCHEDULE

| Actuals Through FY 22 (Rounded) | FY 23 Estimate | Total |
|------------------------------------|-------------------|-------------|
| \$37,000 | \$1,500,000 | \$1,537,000 |

FUNDING SOURCES

| | |
|------------------------------------|--------------------|
| Capital Maintenance Fund | - |
| Fire Flow Improvement Program Fund | \$1,537,000 |
| Total | \$1,537,000 |

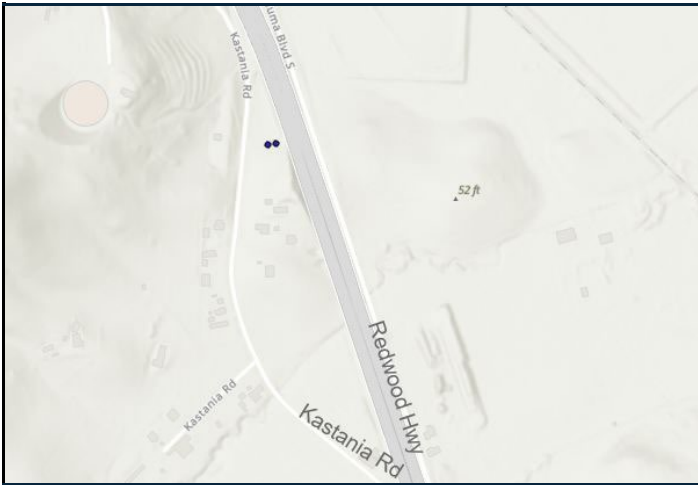
PUMP STATIONS

Current Capital Improvement Program
Fiscal Year 2023



| | |
|--------------------|---|
| Project | Kastania Pump Station Phase II |
| Program | A1A07 Replacements - Transmission Pumps |
| Project No. | D21027 |
| Contact | Zak Talbott, ZTalbott@marinwater.org |

PROJECT LOCATION



PROJECT DESCRIPTION

Phase II of the Kastania Pump Station Rehabilitation project includes a new roof, drainage upgrades, new 30" check valve, new electrical motor control center, variable frequency drives, a new surge protection valve and new perimeter fencing.

BENEFITS

This project updates a critical booster pump station's electrical equipment to the modern era and allows for improvements to drought resiliency. In conjunction with Phase I, Phase II provides reliability to a 4,300 acre-feet increase in Marin Water's annual supply.

SCHEDULE & STATUS

Project currently in design. Construction on hold pending identification of funding.

EXPENDITURE SCHEDULE

| Actuals Through FY 22 (Rounded) | FY 23 Estimate | FY 24 Estimate | FY 25 Estimate | Total |
|------------------------------------|-------------------|-------------------|-------------------|--------------------|
| \$11,000 | \$110,000 | \$240,000 | \$1,000,000 | \$1,361,000 |

FUNDING SOURCES

| | |
|--------------------------|--------------------|
| Capital Maintenance Fund | \$361,000 |
| Other Funding Sources* | \$1,000,000 |
| Total | \$1,361,000 |

*Other funding sources to be determined

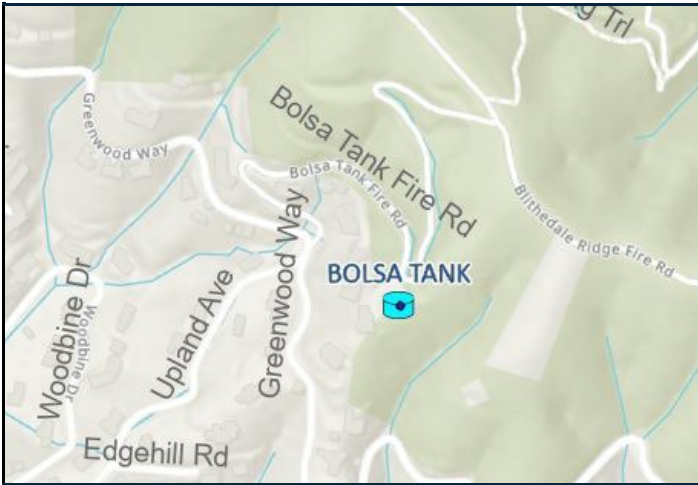
STORAGE TANKS

Current Capital Improvement Program
Fiscal Year 2023



| | |
|--------------------|--|
| Project | Bolsa Tank Replacement (Redwood Tank) |
| Program | A1A11 Replacements - Storage Tanks |
| Project No. | D16006 |
| Contact | Matthew Steiner, MSteiner@marinwater.org |

PROJECT LOCATION



PROJECT DESCRIPTION

This project will merge adjacent pressure zones by activating and adjusting existing valves and regulators allowing for the removal of Bolsa Tank, a 200,000 gallon redwood tank, from the system.

BENEFITS

Bolsa tank is one of six remaining redwood tanks in the District's system and has reached the end of its useful life and is beyond repair. Removing the tank from the system will allow for increased hydrant flows in the surrounding area, remove a known leak from the system, and reduce the overall number of District assets requiring maintenance.

SCHEDULE & STATUS

July 2021 to January 2024



EXPENDITURE SCHEDULE

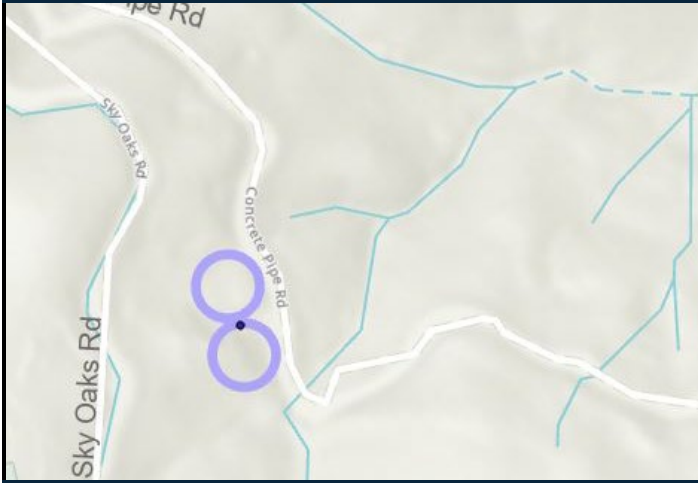
| Actuals Through FY 22 (Rounded) | FY 23 Estimate | FY 24 Estimate | Total |
|------------------------------------|-------------------|-------------------|-----------|
| \$47,000 | \$30,000 | \$400,000 | \$477,000 |

FUNDING SOURCES

| | |
|--------------------------|------------------|
| Capital Maintenance Fund | \$477,000 |
| Other Funding Sources | - |
| Total | \$477,000 |

| | |
|--------------------|---|
| Project | Pine Mountain Tunnel Tanks Replacement |
| Program | A1A11 Replacements - Storage Tanks |
| Project No. | D21043 |
| Contact | Alex Anaya, Aanaya@marinwater.org |

PROJECT LOCATION



PROJECT DESCRIPTION

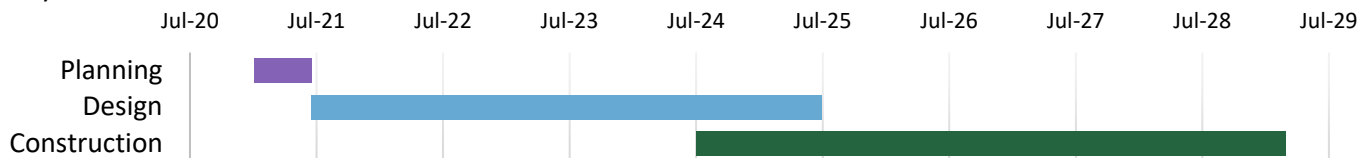
This project will cease use and replace the Pine Mountain Tunnel with two 2-million gallon pre-stressed concrete tanks located on Concrete Pipe Road at culvert marker CP-5.

BENEFITS

The benefit of this project is to cease use of Pine Mountain Tunnel for storage, improving water quality, and increase the reliability of storage within Ross Valley, providing emergency storage on the watershed to aid in firefighting capabilities and allow for the future replacement of Ross Reservoir.

SCHEDULE & STATUS

January 2021 to March 2029



*Construction window from August 1 - January 31 to protect Northern Spotted Owl.

EXPENDITURE SCHEDULE

| Actuals Through FY 22 (Rounded) | FY 23 Estimate | FY 24 Estimate | FY 25 Estimate | FY 26 Estimate | FY 27 Estimate | FY 28 Estimate | FY 29 Estimate | Total |
|------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------|
| \$1,128,000 | \$490,000 | \$1,000,000* | \$3,500,000 | \$4,000,000 | \$5,000,000 | \$5,000,000 | \$2,750,000 | \$22,868,000 |

*Pending funding

FUNDING SOURCES

| | |
|--------------------------|---------------------|
| Capital Maintenance Fund | \$10,118,000 |
| State Appropriation | \$1,000,000 |
| Other Funding Sources* | \$11,750,000 |
| Total | \$22,868,000 |

*Other funding sources to be determined

| | |
|--------------------|---------------------------------------|
| Project | Courtright System Improvement |
| Program | A1A11 Replacements - Storage Tanks |
| Project No. | D22009 |
| Contact | Mark Kasraie, MKasraie@marinwater.org |

PROJECT LOCATION



PROJECT DESCRIPTION

Installation of a pressure regulator station and piping improvements. This project will join the Courtright system with the Bret Harte system with a pressure regulator and remove the seismically deficient redwood tank as part of the redwood tank replacement program.

BENEFITS

The benefit of this project is to improve seismic resiliency of the Courtright System by removing an old leaking redwood storage tank and installing a pressure regulator to provide safe water pressure to customers.

SCHEDULE & STATUS

May 2021 to November 2022



EXPENDITURE SCHEDULE

| Actuals Through FY 22 (Rounded) | FY 23 Estimate | Total |
|------------------------------------|-------------------|-----------|
| \$17,000 | \$460,000 | \$477,000 |

FUNDING SOURCES

| | |
|--------------------------|------------------|
| Capital Maintenance Fund | \$477,000 |
| Other Funding Sources | - |
| Total | \$477,000 |

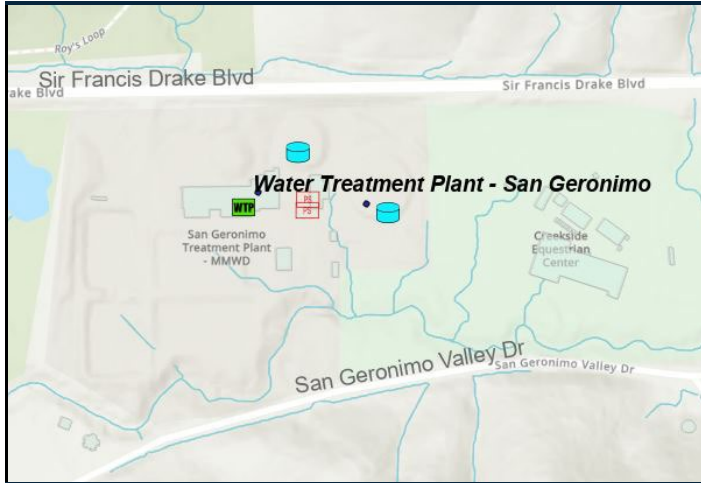
TREATMENT PLANTS

Current Capital Improvement Program
Fiscal Year 2023



| | |
|--------------------|---|
| Project | San Geronimo Treatment Plant Emergency Generator Project |
| Program | A1A04 Replacements - Treatment Facilities |
| Project No. | D19027 |
| Contact | Zak Talbott, ZTalbott@marinwater.org |

PROJECT LOCATION



PROJECT DESCRIPTION

Furnish and install permanent emergency generator sets including grading, drainage, concrete slab work and retaining wall, modifications to existing electrical and communication systems, new electrical service, new switchgear, new automatic transfer switch, related electrical conduit and conductors, lighting, fuel system, power system studies and acceptance testing.

BENEFITS

The San Geronimo Treatment Plant Emergency Generator Project will provide emergency power for the San Geronimo Treatment Plant and to ensure the District's continued ability to produce and supply water to its customers despite losing electrical service when PG&E shuts off power during a Public Safety Power Shut-off (PSPS) event and during any other unforeseen PG&E power outages.

SCHEDULE & STATUS

December 2019 to March 2023



EXPENDITURE SCHEDULE

| Actuals Through FY 22 (Rounded) | FY 23 Estimate | Total |
|------------------------------------|-------------------|-------------|
| \$5,593,000 | \$550,000 | \$6,143,000 |

FUNDING SOURCES

| | |
|--------------------------|--------------------|
| Capital Maintenance Fund | \$5,143,000 |
| Other Funding Sources | *\$1,000,000 |
| Total | \$6,143,000 |

*\$1 million appropriation for Marin Water's emergency generator project was included in [AB-178 \(State Budget Act of 2022\)](#) which was signed by the Governor on June 20, 2022. The funds are still to be allocated to the District by the State Department of Water Resources.

WATERSHED

Current Capital Improvement Program
Fiscal Year 2023



| | |
|--------------------|---|
| Project | Nicasio Dam Spillway Repairs |
| Program | A1A05 Replacements - Reservoir/Dam Facilities |
| Project No. | D21012 |
| Contact | Matthew Steiner, MSteiner@marinwater.org |

PROJECT LOCATION



PROJECT DESCRIPTION

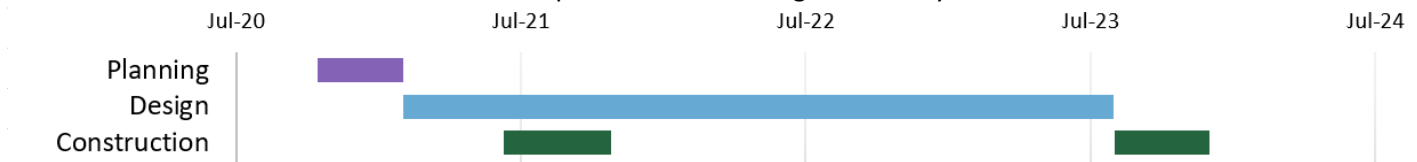
This project entails the condition assessments of Seeger Dam on the Nicasio Reservoir. Phase I included the repair of non-structural concrete including spalls, surface defects, offsets, sub-drain cleaning, cracks and joint sealing on the spillway of Seeger Dam. These repairs are the output of the Phase I condition assessments conducted in accordance with Division of Safety of Dams requirements. Phase II work will include a more intensive assessment including core sampling, sub-drain investigation and ground penetrating radar.

BENEFITS

Regular maintenance of dam spillways is common practice to ensure the continued operation of the facility.

SCHEDULE & STATUS

October 2020 to December 2023. Phase I completed. Phase II design underway.



EXPENDITURE SCHEDULE

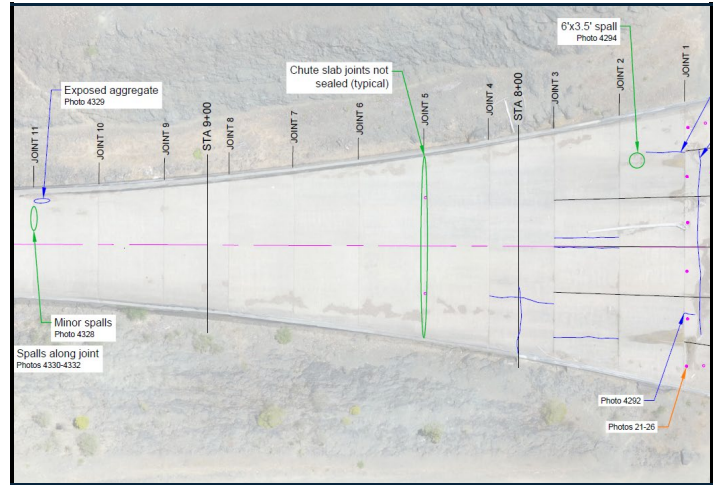
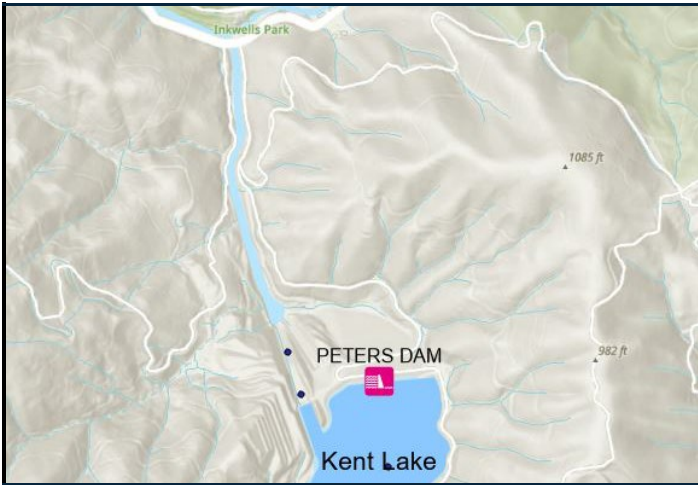
| Actuals Through FY 22 (Rounded) | FY 23 Estimate | FY 24 Estimate | Total |
|------------------------------------|-------------------|-------------------|-----------|
| \$204,000 | \$50,000 | \$500,000 | \$754,000 |

FUNDING SOURCES

| | |
|--------------------------|------------------|
| Capital Maintenance Fund | \$754,000 |
| Other Funding Sources | - |
| Total | \$754,000 |

| | |
|--------------------|---|
| Project | Kent Dam Spillway Repairs |
| Program | A1A05 Replacements - Reservoir/Dam Facilities |
| Project No. | D21013 |
| Contact | Matthew Steiner, MSteiner@marinwater.org |

PROJECT LOCATION



PROJECT DESCRIPTION

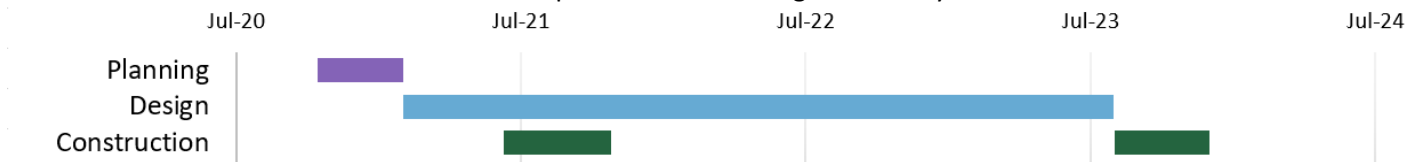
This project entails the condition assessments of Peters Dam on Kent Lake. Phase I included the repair of non-structural concrete including spalls, surface defects, offsets, sub-drain cleaning, cracks and joint sealing on the spillway of Peters Dam. These repairs are the output of the Phase I condition assessments conducted in accordance with Division of Safety of Dams requirements. Phase II work will include a more intensive assessment including core sampling, sub-drain investigation and ground penetrating radar.

BENEFITS

Regular maintenance of dam spillways is common practice to ensure the continued operation of the facility.

SCHEDULE & STATUS

October 2020 to December 2023. Phase I completed. Phase II design underway.



EXPENDITURE SCHEDULE

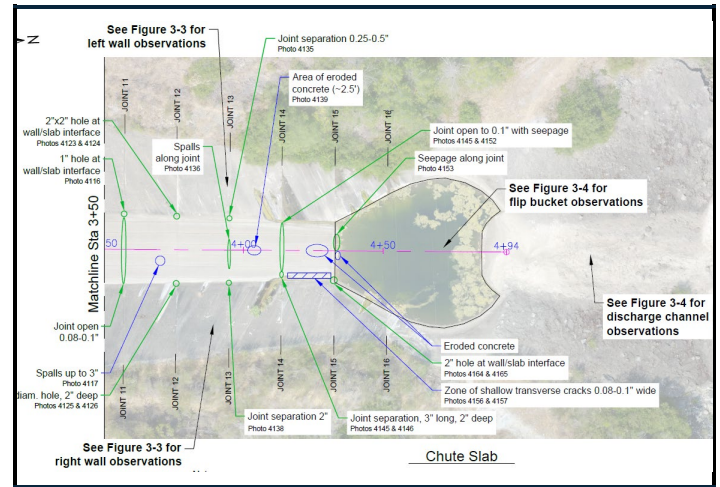
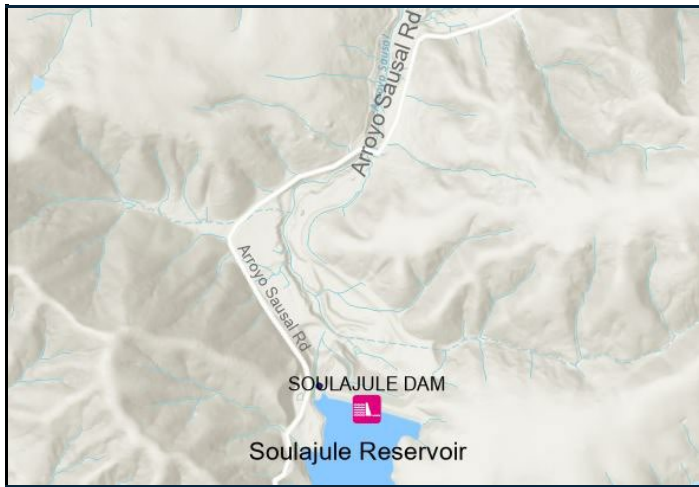
| Actuals Through FY 22 (Rounded) | FY 23 Estimate | FY 24 Estimate | Total |
|------------------------------------|-------------------|-------------------|-----------|
| \$251,000 | \$50,000 | \$500,000 | \$801,000 |

FUNDING SOURCES

| | |
|--------------------------|------------------|
| Capital Maintenance Fund | \$801,000 |
| Other Funding Sources | - |
| Total | \$801,000 |

| | |
|--------------------|---|
| Project | Soulajule Dam Spillway Repairs |
| Program | A1A05 Replacements - Reservoir/Dam Facilities |
| Project No. | D21014 |
| Contact | Matthew Steiner, MSteiner@marinwater.org |

PROJECT LOCATION



PROJECT DESCRIPTION

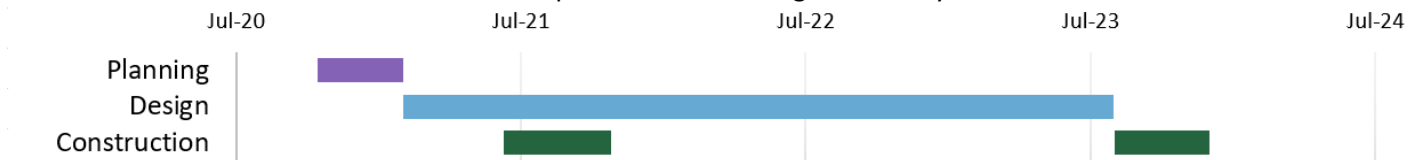
This project entails the condition assessments of Soulajule Dam on Soulajule Reservoir. Phase I included the repair of non-structural concrete including spalls, surface defects, offsets, sub-drain cleaning, cracks and joint sealing on the spillway of Soulajule Dam. These repairs are the output of the Phase I condition assessments conducted in accordance with Division of Safety of Dams requirements. Phase II work will include a more intensive assessment including core sampling, sub-drain investigation and ground penetrating radar.

BENEFITS

Regular maintenance of dam spillways is common practice to ensure the continued operation of the facility.

SCHEDULE & STATUS

October 2020 to December 2023. Phase I completed. Phase II design underway.



EXPENDITURE SCHEDULE

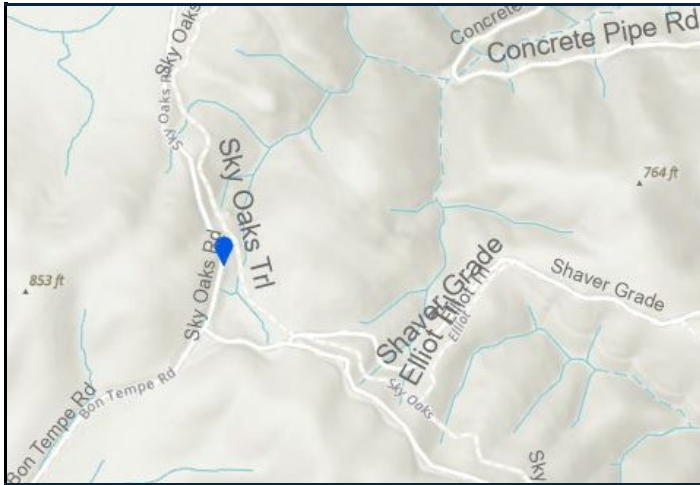
| Actuals Through FY 22 (Rounded) | FY 23 Estimate | FY 24 Estimate | Total |
|---------------------------------|----------------|----------------|-----------|
| \$89,000 | \$50,000 | \$500,000 | \$639,000 |

FUNDING SOURCES

| | |
|--------------------------|------------------|
| Capital Maintenance Fund | \$639,000 |
| Other Funding Sources | - |
| Total | \$639,000 |

| | |
|--------------------|---|
| Project | Sky Oaks Road Retaining Wall Replacement |
| Program | A1E05 Watershed - Road Repair and Improvements |
| Project No. | D22027 |
| Contact | Mark Kasraie, MKasraie@marinwater.org |

PROJECT LOCATION



PROJECT DESCRIPTION

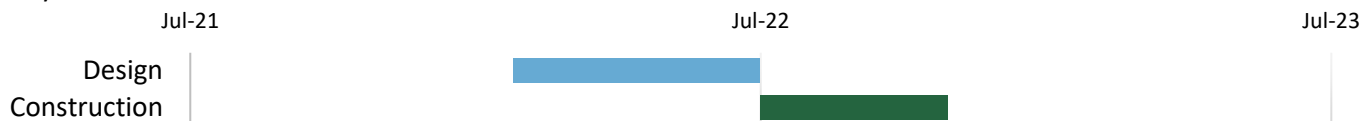
Replacement of a failing retaining wall on Sky Oaks Road near culvert SO-11 in preparation for Pine Mountain Tunnel Tanks construction traffic.

BENEFITS

The benefit of replacing the Sky Oaks Road retaining wall is that it will remove the failing log retaining wall and replace it with a soldier pile wall with reinforced concrete lagging that is seismically resilient and protect the integrity of Sky Oaks Road. This project is to prepare Sky Oaks Road for the truck traffic from the Pine Mountain Tunnel Tanks Replacement Project and for future use of visitors to the watershed.

SCHEDULE & STATUS

January 2022 to October 2022



EXPENDITURE SCHEDULE

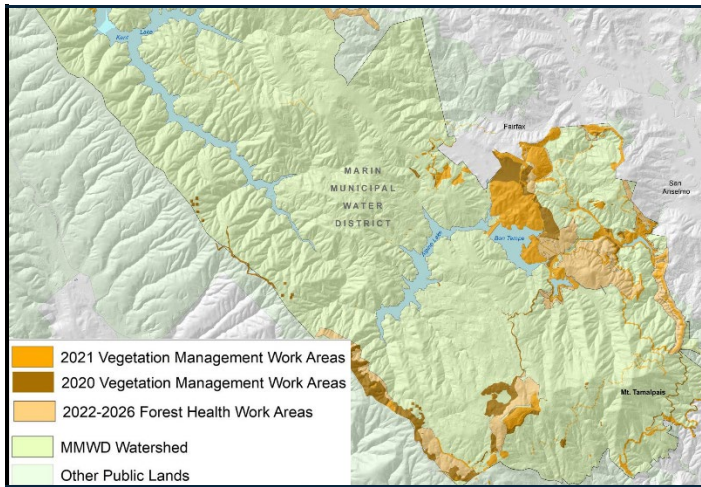
| Actuals Through FY 22 (Rounded) | FY 23 Estimate | Total |
|------------------------------------|-------------------|-----------|
| \$19,000 | \$320,000 | \$339,000 |

FUNDING SOURCES

| | |
|--------------------------|------------------|
| Capital Maintenance Fund | \$339,000 |
| Other Funding Sources | - |
| Total | \$339,000 |

| | |
|--------------------|--|
| Project | Fire & Fuels Management |
| Program | A1E07 Watershed - Natural Capital and Green Infrastructure |
| Project No. | D22008 |
| Contact | Shaun Horne, SHorne@marinwater.org |

PROJECT LOCATION



PROJECT DESCRIPTION

In October of 2019, the District adopted the Biodiversity, Fire, and Fuels Integrated Plan (BFFIP) which describes the actions the District will implement to reduce wildfire hazards and to maintain and enhance ecosystem function. Under the BFFIP there are 27 management actions that are being implemented to fulfill the goals and approaches described in the plan.

BENEFITS

Vegetation management under the BFFIP aims to reduce hazardous fuel loads, restore forests, maintain fuelbreak infrastructure, preserve defensible space, reintroduce prescribed fire, reduce invasive weed species and enhance biodiversity.

SCHEDULE & STATUS

Ongoing capital program

EXPENDITURE SCHEDULE AND FUNDING SOURCES*

| Funding Source | Actuals Through FY 22 | FY 23 Estimate | FY 24 Estimate | FY 25 - 30 Estimate |
|--------------------------|--------------------------|--------------------|--------------------|------------------------|
| Capital Maintenance Fund | \$868,485 | \$1,129,000 | \$1,170,000 | \$8,066,000 |
| Grant Funding | \$1,698,000 | \$1,101,000 | \$1,101,000 | |
| Total | \$2,566,485 | \$2,230,000 | \$2,271,000 | \$8,066,000 |

*This budget does not include additional ongoing annual Operations funding.

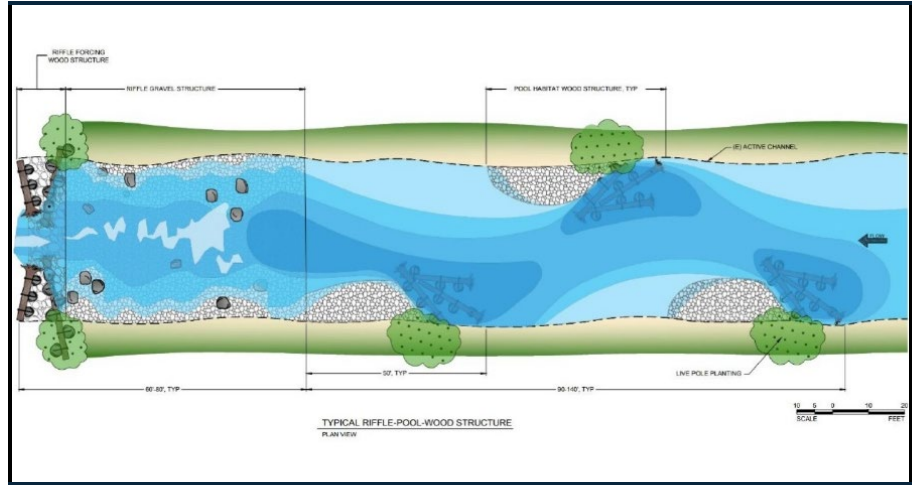
GENERAL IMPROVEMENT

Current Capital Improvement Program
Fiscal Year 2023



Project Lagunitas Creek Watershed Enhancement
Program A1F06 Reimbursable - Split Grant Funding
Project No. GC21001
Contact Shaun Horne, SHorne@marinwater.org

PROJECT LOCATION



PROJECT DESCRIPTION

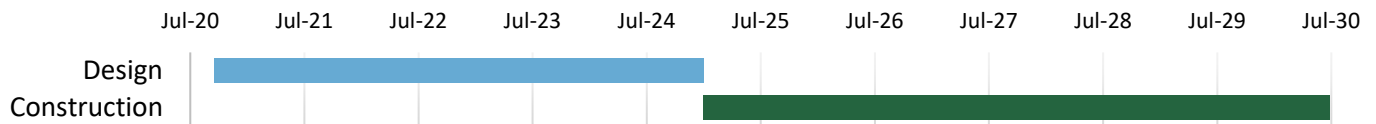
The District's ongoing fisheries monitoring and restoration work is guided by the District's [Lagunitas Creek Stewardship Plan](#) (LCSP), which is a requirement of SWRCB WR95-17. In an effort to enhance watershed resiliency, and meet the stewardship goals of SWRCB WR95-17 the District is interested in continuing to implement instream restoration work along Lagunitas Creek to improve instream habitat for Coho Salmon, steelhead trout, and freshwater shrimp.

BENEFITS

Habitat enhancement will work to restore physical process that support habitat formation for endangered and threatened species within Lagunitas Creek.

SCHEDULE & STATUS

September 2020 to June 2030



EXPENDITURE SCHEDULE

| Actuals Through FY 22 (Rounded) | FY 23 Estimate | FY 24 Estimate | FY 25 - 30 Estimate | Total |
|------------------------------------|-------------------|-------------------|------------------------|-------------|
| \$375,000 | \$440,000 | \$2,035,000 | \$5,972,000 | \$8,822,000 |

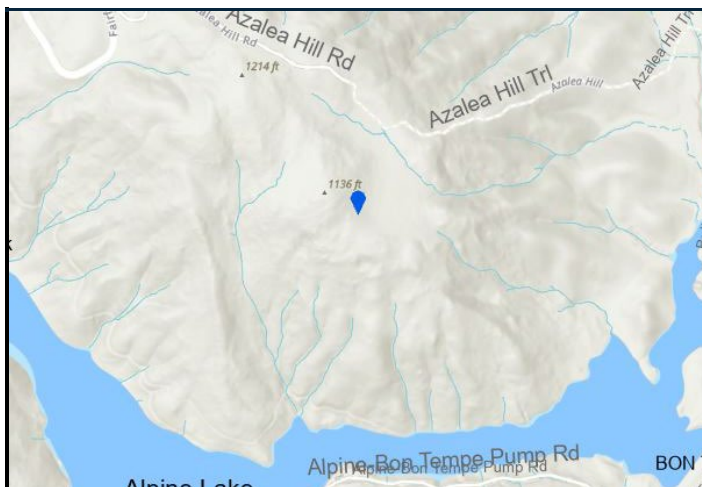
FUNDING SOURCES

| | |
|---------------------------|--------------------|
| Capital Maintenance Fund* | \$395,000 |
| CDFW 30% Design Grant | \$300,000 |
| CDFW 100% Design Grant | \$869,000 |
| Other Grant Funding* | \$7,258,000 |
| Total | \$8,822,000 |

*Project contingent on identifying other grant funding. Other grant funding will require CMF match to be determined.

| | |
|--------------------|---|
| Project | Azalea Hill Restoration Implementation |
| Program | A1F06 Reimbursable - Split Grant Funding |
| Project No. | R17008 |
| Contact | Hagar Negash, HNegash@marinwater.org / Shaun Horne, SHorne@marinwater.org |

PROJECT LOCATION



PROJECT DESCRIPTION

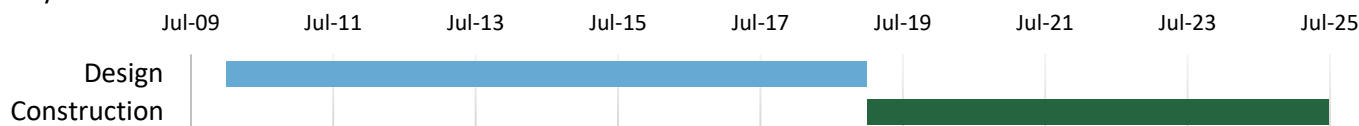
Marin Water adopted an Amendment to the Mt. Tamalpais Watershed Road and Trail Management Plan (RTMP) for the Restoration of Azalea Hill (Project) on May 14, 2019. The Project will: 1) remove approximately 4.4-miles of non-system roads and trails and restore those routes to natural conditions to improve habitat and water quality; 2) adopt and improve a 1.9-mile Class IV road comprised of the existing Liberty Gulch Road (1.2 miles) and convert an existing non-system trail (0.7 miles) to the wider, small vehicle route; 3) improve the hiking and equestrian route over Azalea Hill by correcting erosion and drainage problems along approximately 1.1 miles of existing Class VI trail, rerouting the trail around sensitive plants and adopting 250 feet of an existing non-system trail; and 4) treat the Azalea Hill parking lot to correct its erosion problems and improve the visitor amenities.

BENEFITS

Upon its completion, the project would prevent up to an estimated 219 cubic yards of sediment from entering Azalea Hill's creeks and Alpine Lake annually (or 4,380 cubic yards over 20 years) and would restore approximately one acre of habitat.

SCHEDULE & STATUS

January 2010 to June 2025



EXPENDITURE SCHEDULE

| Actuals Through FY 22 (Rounded) | FY 23 Estimate | FY 24 Estimate | FY 25 Estimate | Total |
|------------------------------------|-------------------|-------------------|-------------------|--------------------|
| \$410,000 | \$470,000 | \$350,000 | \$1,200,000 | \$2,430,000 |

FUNDING SOURCES

| | |
|---------------------------|--------------------|
| Capital Maintenance Fund* | \$200,000 |
| Grants Paid to Others | \$200,000 |
| Azalea Hill Grant Funding | \$700,000 |
| Other Grants TBD* | \$1,330,000 |
| Total | \$2,430,000 |

*Seeking implementation grants which will require CMF matching funds TBD

CAPITAL MAINTENANCE

Current Capital Improvement Program
Fiscal Year 2023





ONGOING CAPITAL MAINTENANCE PROJECTS

Ongoing capital maintenance comprises approximately 20% of the District's annual capital program. These projects are spread across all asset categories. Performing these projects extends the useful life of these assets and delays the need for larger capital projects. More detailed descriptions for each asset category are below.

EXPENDITURE SCHEDULE

| Asset Category | FY 23 Estimate |
|----------------------|--------------------|
| Pipelines | \$1,400,000 |
| Pump Stations | \$177,000 |
| Storage Tanks | \$390,000 |
| Treatment Plants | \$120,000 |
| Watershed | \$725,000 |
| General Improvements | \$590,000 |
| Total | \$3,402,000 |

PIPELINES: The primary ongoing maintenance projects in this asset category are service/fireline renewals and meter replacements. This includes work done by system maintenance crews addressing service lateral breaks and includes not just the work to repair the break but also any surface restoration requirements by the local jurisdiction. Meter replacements are performed on a scheduled basis and are needed to ensure that accurate readings are captured on customer meters.

PUMP STATIONS: The District has over 100 pump stations, which are critical for conveying water from the treatment plants through the distribution system and to customer's taps. Maintenance projects in this asset category include pump, motor, and valve replacements, pump rebuilds, generator installations, and entry alarm installations.

STORAGE TANKS: Over 100 of the District's 140 storage tanks and approximately 45% of the District's pipelines are made of steel, which require cathodic protection. Ongoing projects in this asset category include corrosion test station rehabilitation, cathodic protection of existing pipelines and remote monitoring, and rectifier upgrades.

TREATMENT PLANTS: In order to have continuous and reliable service at the District's three treatment plants, ongoing maintenance projects are required. Projects in this asset category are comprised of pump replacements, chemical feed tank replacements, and other miscellaneous projects such as sludge line repairs.

WATERSHED: The District owns nearly 22,000 acres of watershed that house five of the seven District's reservoirs. Ongoing maintenance projects in this asset category are comprised of dam facility repairs, such as intake valve repairs, culvert replacements and stream crossing repairs, trail improvements, watershed road repairs, and habitat restoration and revegetation projects.

GENERAL IMPROVEMENTS: General improvement projects relate to ongoing maintenance on the District's buildings and grounds, IT system, program management, and split grant funding projects. Notable ongoing projects in this asset category are minor repairs to the administration building and corporation yard, pavement and retaining wall replacements at various facilities, replacement of SCADA hardware and software, water system master planning and asset management, and split grant funded projects such as Lagunitas Creek Watershed Enhancement Plan.