



BOARD MEMBERS

43885 SOUTH GRIMMER BOULEVARD • FREMONT, CALIFORNIA 94538  
(510) 668-4200 • www.acwd.org

MANAGEMENT

AZIZ AKBARI  
JAMES G. GUNTHER  
JUDY C. HUANG  
PAUL SETHY  
JOHN H. WEED

ED STEVENSON  
General Manager  
KURT ARENDS  
Operations and Maintenance  
GIRUM AWOKE  
Engineering and Technology  
LAURA J. HIDAS  
Water Resources  
JONATHAN WUNDERLICH  
Finance and Administration

**NOTICE OF SPECIAL MEETING OF THE ACWD BOARD OF DIRECTORS**

Date: July 20, 2022

Time: 4:00 P.M.

Location: Members of the public may participate in this meeting in person at the District office located at 43885 South Grimmer Boulevard in Fremont or via webinar <https://us02web.zoom.us/j/83774776696?pwd=clc4dGVZS3dRUmttMFNGTEw1Vm9BQT09> (passcode: 537004), or by calling any of the following phone numbers: 1-669-900-9128 or 1-346-248-7799 or 1-301-715-8592 followed by 837 7477 6696.

**Due to the COVID-19 pandemic and in accordance with Assembly Bill 361, which modifies Government Code Section 54953, this meeting will be conducted by webinar and teleconference. Board members and members of the public also may attend this meeting in person at the District office located at 43885 South Grimmer Boulevard, Fremont.**

**Please Take Notice** that the Alameda County Water District Board of Directors hereby calls a special meeting on July 20, 2022, at 4:00 P.M., at which time the Board will convene for the following purposes:

1. Roll Call
2. Salute to the Flag
3. Public Comments on Matters on this Notice of Special Meeting
4. Financial Workshop for Calendar Year 2022
5. General Manager's Report
6. Director's Comments and/or Agenda Item Requests
7. Adjournment

This Notice of the Date, Time, and Location of the special meeting of the Alameda County Water District Board of Directors is given this 15<sup>th</sup> day of July 2022.

Date this Notice Posted: July 15, 2022

  
Gina Markou, District Secretary

# ***ALAMEDA COUNTY WATER DISTRICT***

43885 So. Grimmer Boulevard  
Fremont, CA 94538

## SPECIAL BOARD OF DIRECTORS MEETING

### A G E N D A

July 20, 2022

4:00 P.M.

***ACCESSIBLE PUBLIC MEETINGS:*** Upon request, ACWD will provide written agenda materials in appropriate alternative formats, or disability-related modifications or accommodation, including auxiliary aids or services, to enable individuals with disabilities to participate in public meetings. Please send a written request at least 72 hours before the meeting to the District Secretary, ACWD, 43885 S. Grimmer Blvd., Fremont, CA 94538, or to [gina.markou@acwd.com](mailto:gina.markou@acwd.com) stating your name, mailing address, phone number, and a brief description of the requested materials and preferred alternative format or auxiliary aid or service.

MEMBERS OF THE PUBLIC MAY PARTICIPATE IN THIS MEETING IN PERSON AT THE DISTRICT OFFICE LOCATED AT 43885 SOUTH GRIMMER BOULEVARD, FREMONT, OR VIA WEBINAR OR TELECONFERENCE DUE TO THE COVID-19 PANDEMIC AND IN ACCORDANCE WITH ASSEMBLY BILL 361, WHICH MODIFIES GOVERNMENT CODE SECTION 54953.

TO PARTICIPATE VIA WEBINAR USE THE FOLLOWING LINK: <https://us02web.zoom.us/j/83774776696?pwd=clc4dGVZS3dRUmttMFNGTEw1Vm9BQT09> (passcode: **537004**), OR BY CALLING ANY OF THE FOLLOWING PHONE NUMBERS: **1-669-900-9128** OR **1-346-248-7799** OR **1-301-715-8592** FOLLOWED BY **837 7477 6696**.

MEMBERS OF THE PUBLIC ARE ALSO ENCOURAGED TO SUBMIT COMMENTS TO THE DISTRICT SECRETARY AT [gina.markou@acwd.com](mailto:gina.markou@acwd.com) AT LEAST ONE HOUR PRIOR TO THE SCHEDULED START TIME OF THE MEETING. PLEASE VISIT THE DISTRICT'S WEBSITE ([www.acwd.org](http://www.acwd.org)) REGULARLY TO BE UPDATED ON ANY CURRENT SITUATION AFFECTING PUBLIC MEETINGS.

1. ROLL CALL
2. SALUTE TO THE FLAG
3. PUBLIC COMMENTS ON MATTERS ON THIS NOTICE OF SPECIAL MEETING

4. FINANCIAL WORKSHOP FOR CALENDAR YEAR 2022

This is the second in a series of financial workshops scheduled for calendar year 2022. The first workshop focused on the District budget. This workshop is the first of three scheduled workshops that will focus on the District's current and projected future financial status, water rates and charges, rate structures, the allocation between fixed and variable charges, the approach to funding the capital improvement program, stage rates that could be charged during a water shortage emergency, and use of the property tax roll for collecting on delinquent accounts.

The workshop will include the following topics:

- Follow-up from Board budget deliberation at the June 9, 2022, Board Meeting.
- A review of key policy decisions related to water rates including, but not limited to, the allocation between fixed and variable charges, water shortage emergency stage rates, rate structures, the approach to funding the capital improvement program, and potential rate adjustments.
- The current and projected financial status of the District.

5. GENERAL MANAGER'S REPORTS

6. DIRECTOR'S COMMENTS AND/OR AGENDA ITEM REQUESTS

7. ADJOURNMENT

# Alameda County Water District

## Financial Workshop

### Presenters

Jonathan Wunderlich, Director of Finance & Administration

Sydney Oam, Financial Analysis Supervisor

Rick Simonsen, HF&H Consultants

# Introduction

## Agenda

- Introduction
- Review preliminary FY 2021/22 financial results
- Present financial planning assumptions and projections
- Follow-up from budget discussions
- Review key rate-setting options
  - Capital Improvement Program funding strategies
  - Split between fixed and variable revenues
  - Approach to rate structure and stage rates
- Conclusion

# Introduction

## Rate-Setting Schedule

- *May 18, 2022: Budget workshop*
- *June 9, 2022: Budget adoption*
- **July 20, 2022: Rate-setting workshop**
- August 25, 2022: Rate-setting workshop
  - Follow-up from today's meeting and discussion of using the property tax bill for collections
- \*September 22, 2022: Rate-setting workshop
  - Follow-up from August workshop
- December 8, 2022: Consider issuing a rate notice
- February 9, 2023: Consider approval of rate proposal

# Introduction

## Board Guidance

- Financial planning assumptions
- Approach to funding the Capital Improvement Program
- Revenue recovery allocation between taxes, fixed service charges, and commodity charges
- Rate structure
- Approach to stage rates

Intent is to seek Board feedback on these key issues and then prepare more specific scenarios for discussion at the August workshop

# Fiscal Year 2021/22 Results

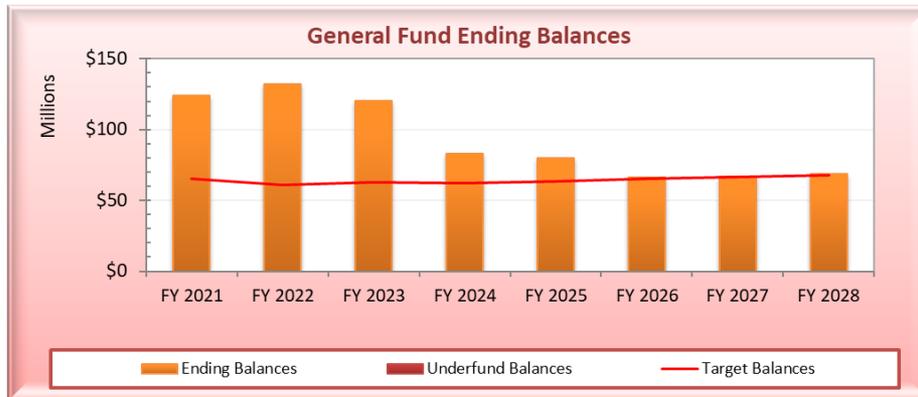
- Revenues, expenses, and cash balances updated to preliminary actual for FY 2021/22
  - General Fund
    - Ending cash balance for FY 2021/22 is \$3.5 million higher than estimate presented at midcycle budget adoption
    - Water revenue (including stage rate revenue) is \$3.5 million higher than estimate
    - Expenses are \$0.7 million lower than estimate

# Financial Plan Review

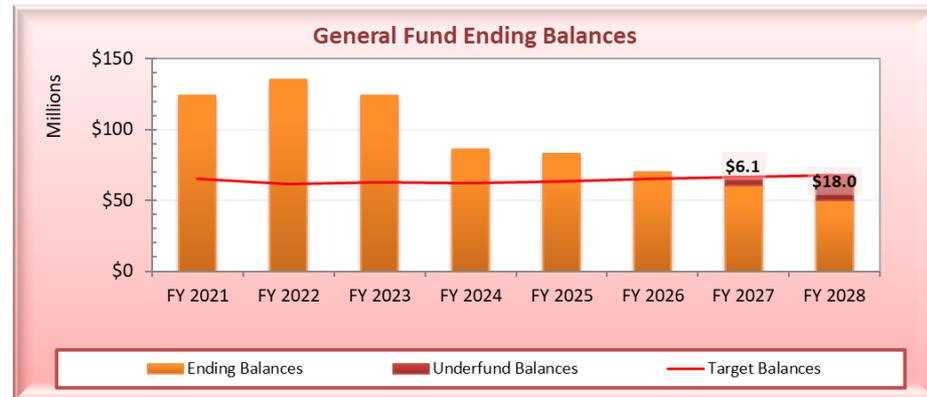
- Assumptions and Projections
  - Projected billed demands based on conservation targets and modest drought rebound
  - Assumed future annual rate increase of 3%
  - Labor and benefit costs consistent with labor contracts
  - Contributions for pension and retiree health benefits maintained at more aggressive levels through June 2032
    - This is a change from budget adoption due to recent market volatility (budget assumed full funding before 2032)
  - SPFUC wholesale water rate increases (15.9% increase effective July 1, 2022)
  - Fully fund the capital program
  - Debt issuance (\$30 million) in FY 2024/25 to help fund the capital program

# General Fund Ending Balances

## Adopted Midcycle Budget



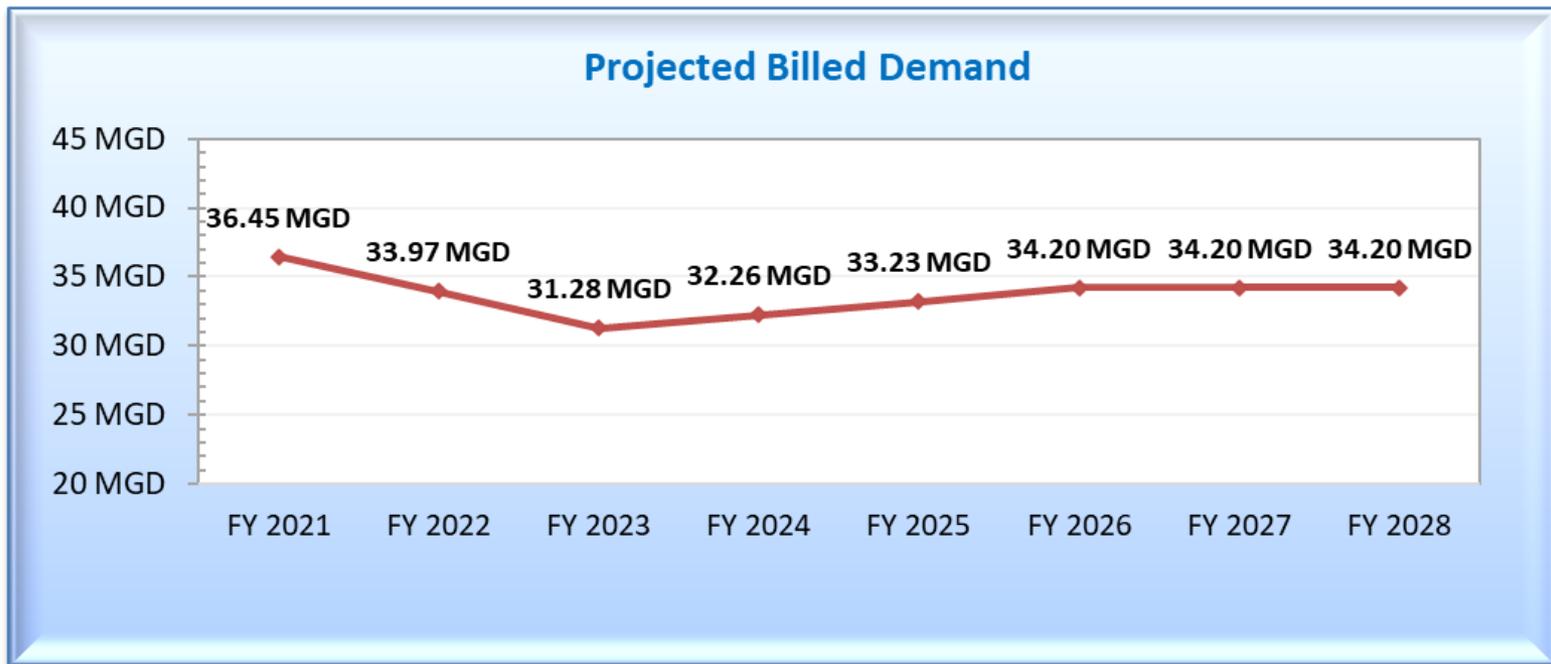
## Updated Ending Balances



- General Fund balance now projected to go below target level within planning horizon:
  - At budget adoption: Low balance of \$70M million (\$0.2M above target)
  - After updates: Low balance of \$50M (\$18M below target) – key change was assuming continued pension/OPEB contributions through 2032
- Approach to funding the CIP (to be discussed later in this workshop) will be key in determining how to address future shortfall projections

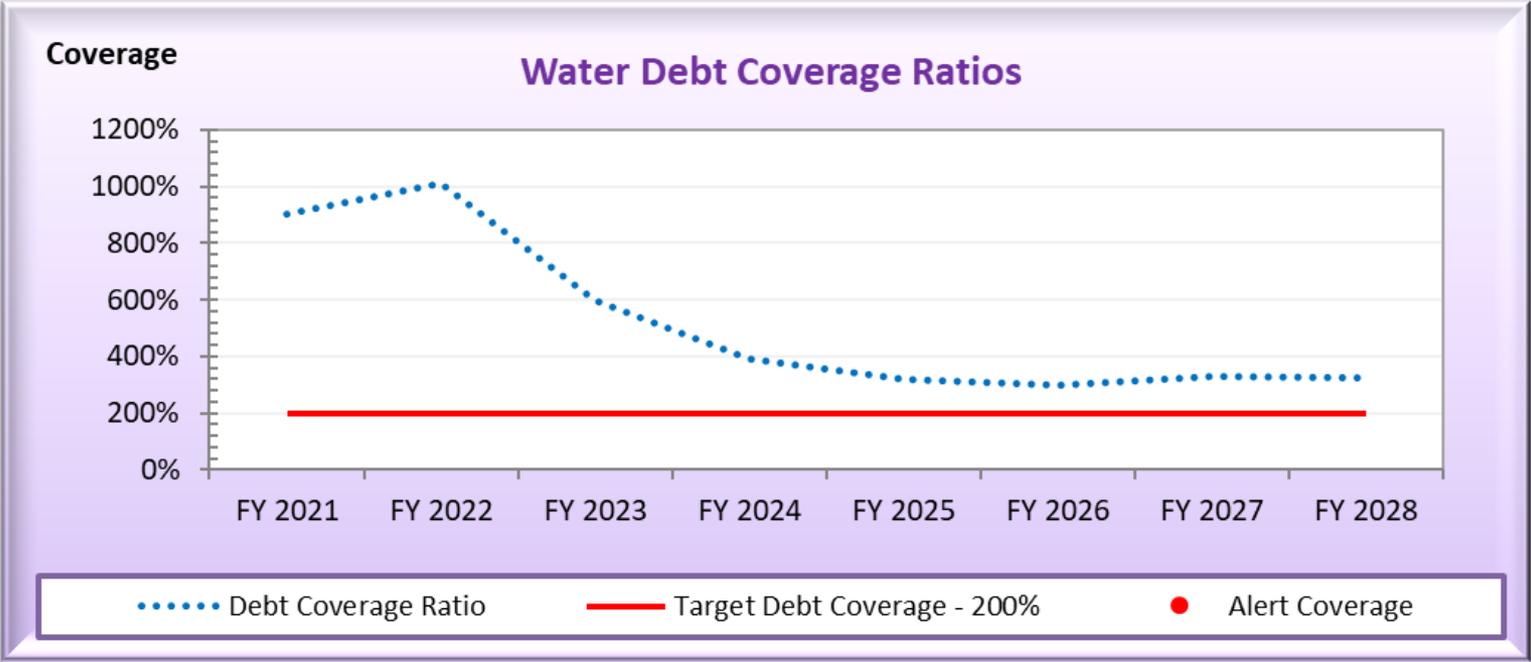
# Billed Demand

- Current projection: Million gallons per day (MGD)



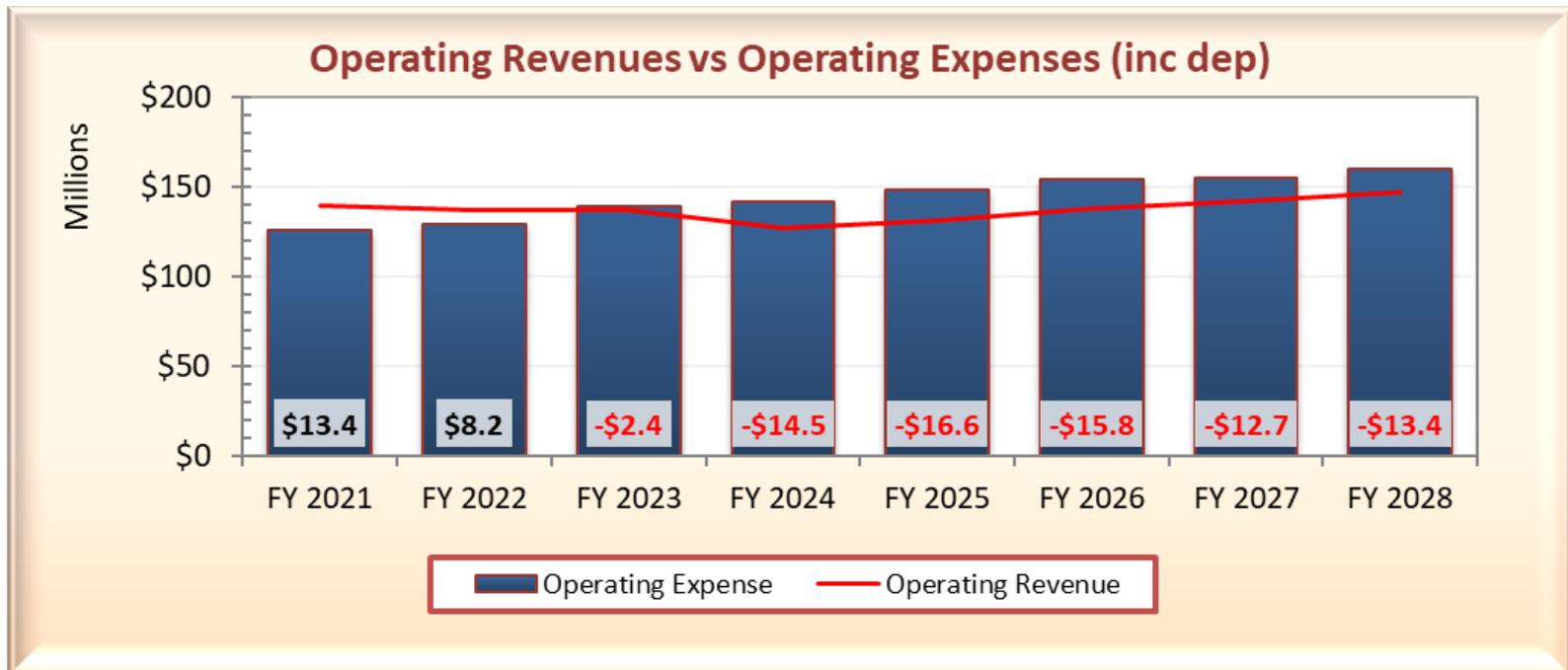
# Debt Coverage

- Current projection: District continues to maintain strong debt coverage ratios: 300% in low year
- Credit Ratings: Standard & Poor's (S&P): AAA; Moody's: Aa1



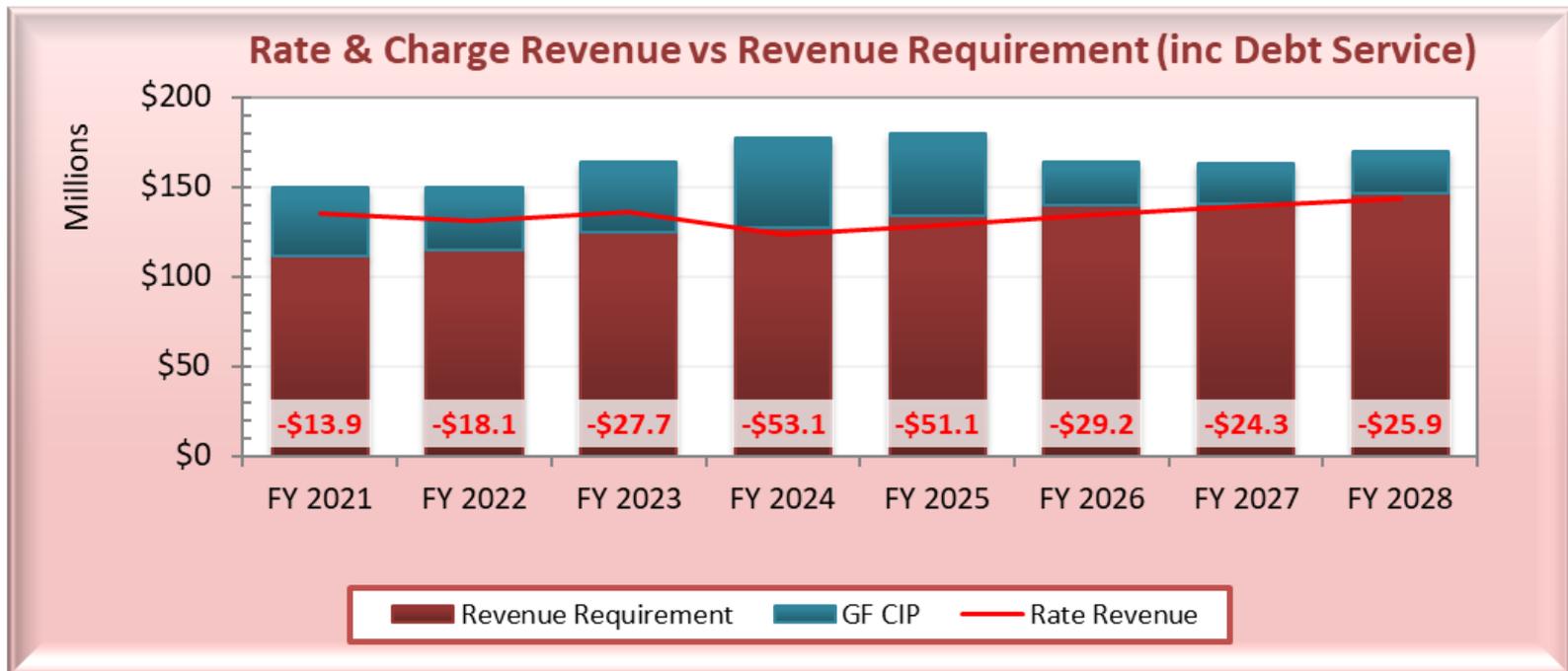
# Revenues vs Expenses

- Current projection: District relies on non-operating revenues (property taxes, interest income, etc.) to cover operating expenses starting in FYE 2023



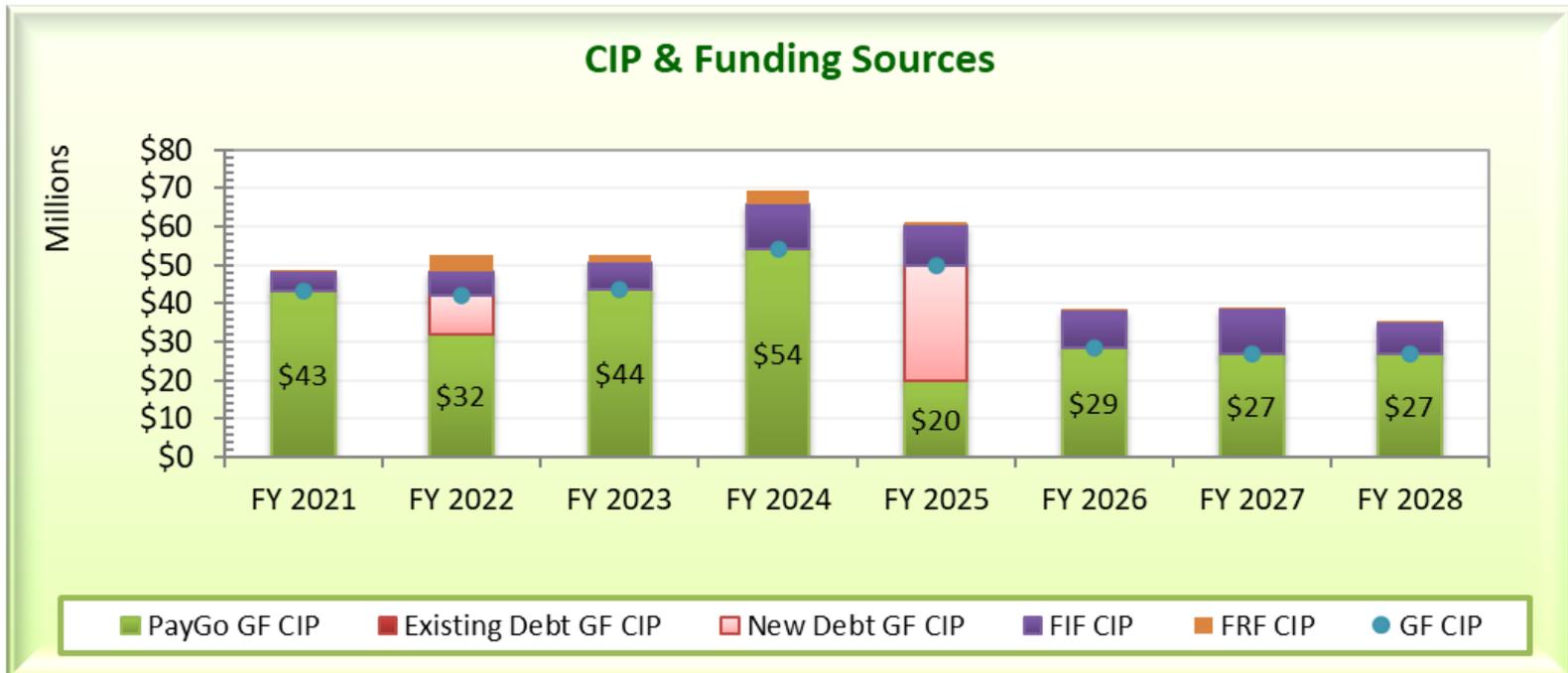
# Rate Revenue vs Revenue Requirement

- District relies on other sources (accumulated reserves, property taxes, grants, interest income, etc.) in addition to water rate and charge revenue to fully fund its annual operations, debt service payments, and capital program



# Capital Improvement Program (CIP)

- Current projection: PayGo GF CIP totals \$201M for FYE 2023-2028
- Assumed debt issuance (\$30 million) in FYE 2025 to help fund the CIP



# Budget Follow-up

The following comments were made during budget deliberations:

- District reserves have grown substantially
- Revenue has been flat the past few years
- Expenditures and staffing levels have grown
- Expenditures have not matched budget/Capital Improvement Program projections

Staff follow-up primarily focuses on General Fund data as it's the General Fund results that drive rate increases

# Budget Follow-up

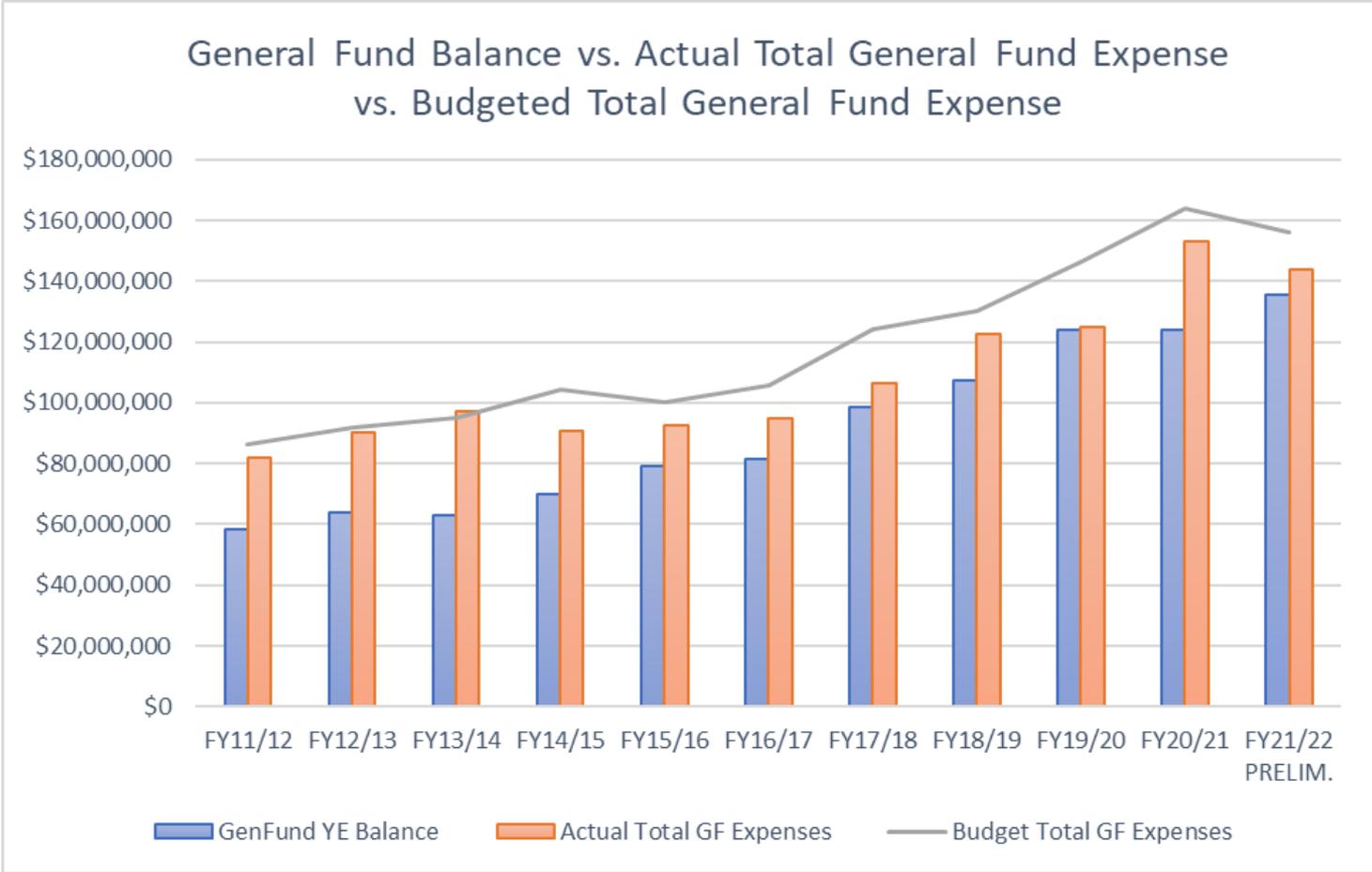
Comment: Growth in reserve funds

## Follow-up

- In consideration of the following District practices, accumulation of funds is expected:
  - The District cash-funds its capital program and must save in advance for periods of heavy capital investment
  - The District is conservative in its financial planning (prudent demand forecast, assumes 100% expenditures, does not count on grant funds until agreement is finalized, low vacancy assumption)
- Current reserve balance is needed based on current practice due to major capital investments planned for fiscal years ending 23-25.
- District expenditures have also grown substantially while the fund balance has increased
- May want to consider adjustments to some of these practices; specifically, alternative approaches to funding the capital program will be presented at this workshop

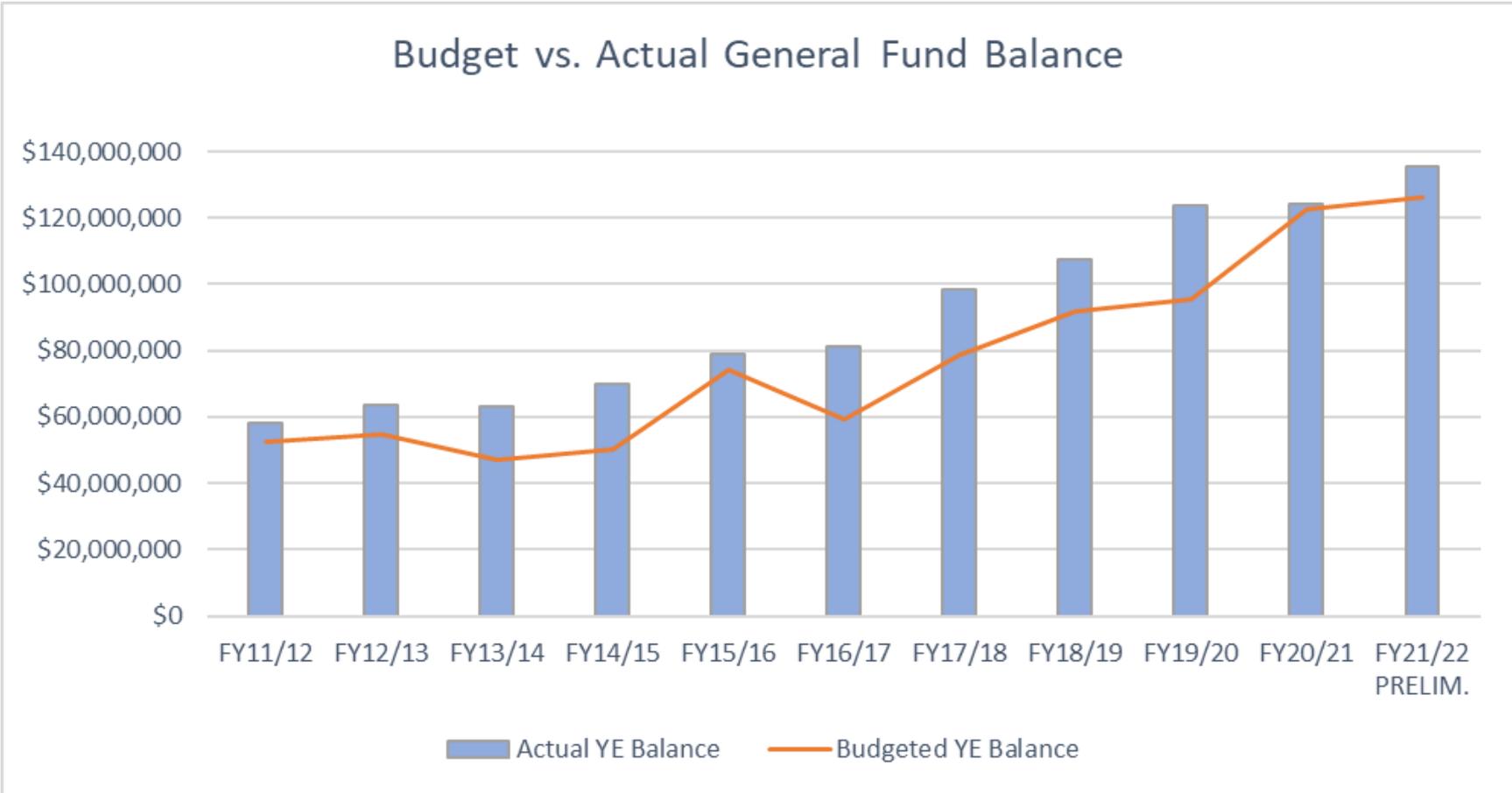
# Budget Follow-up

Comment: Growth in reserve funds



# Budget Follow-up

Comment: Growth in reserve funds



# Budget Follow-up

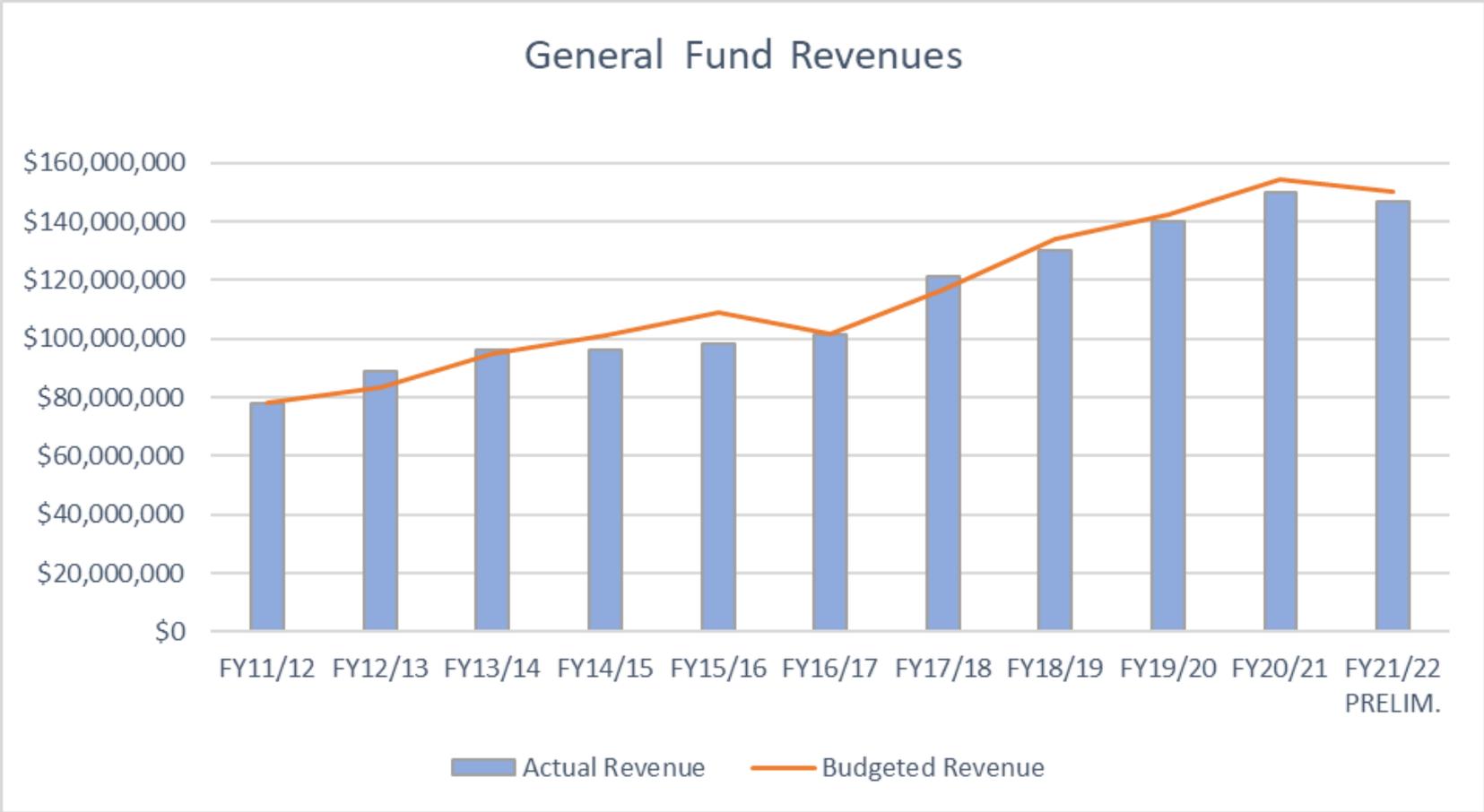
Comment: Revenue has been flat the past few years

## Follow-up

- Total District revenue has gone from \$156.1M in FYE 20 to budgeted revenue of \$159.6M in FYE 23. This is the result of growth in some revenue sources and substantial fluctuations in others:
  - Water Revenue has grown from \$113.8M to \$125.1M (inclusive of stage rates)
  - Connection Charges have gone from \$14.4M to \$1.6M
  - Grant/Reimbursement revenue has grown from \$6.6M to \$8.7M, but this is largely related to the timing of applicable capital projects
  - Changes in other sources of revenue has been modest
- The long-term trend shows growth in total revenues

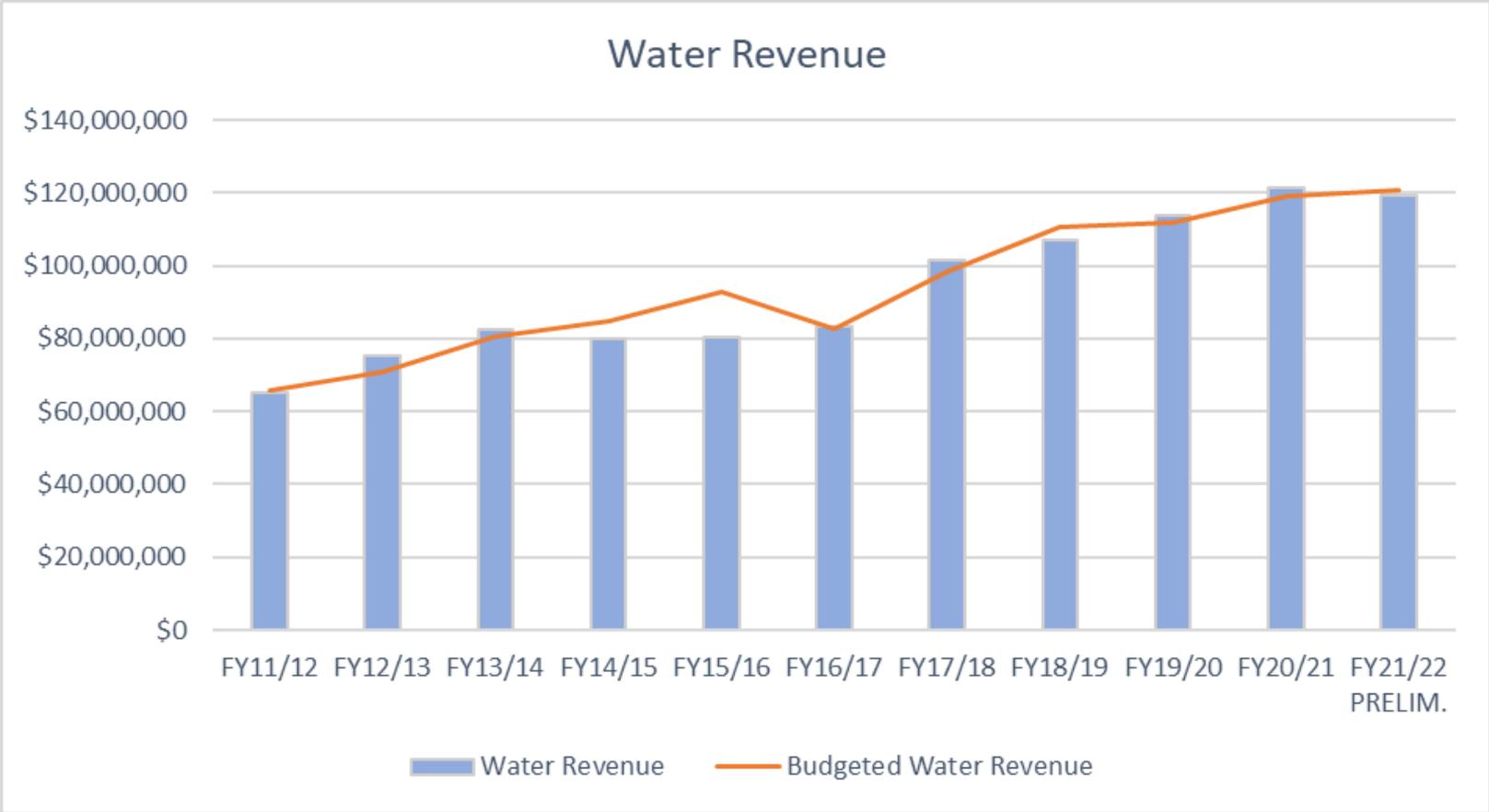
# Budget Follow-up

Comment: Revenue has been flat the past few years



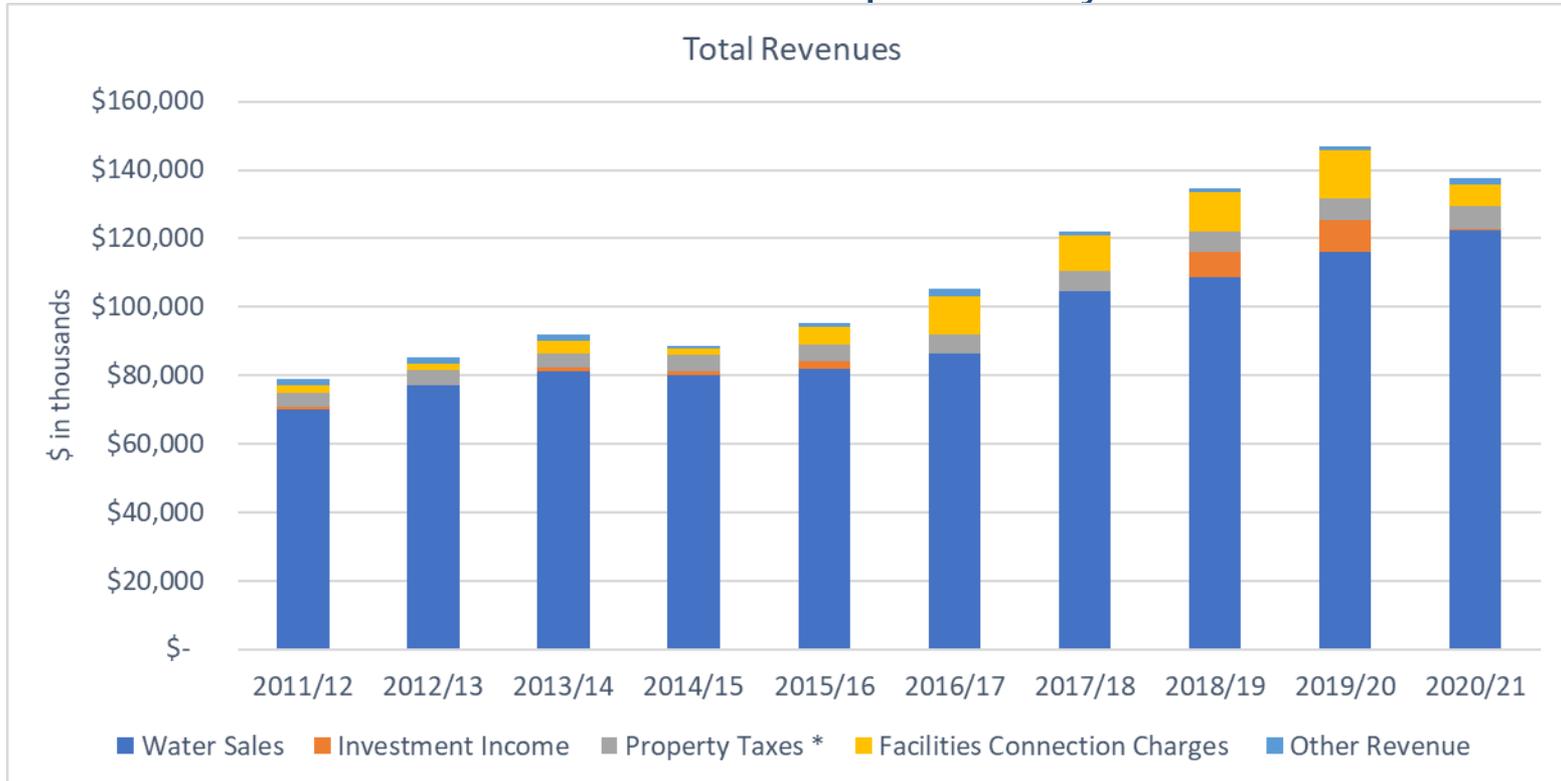
# Budget Follow-up

Comment: Revenue has been flat the past few years



# Budget Follow-up

Comment: Revenue has been flat the past few years



- Revenues are in Table 10 in the Annual Comprehensive Financial Report reported on accrual basis of accounting, exclude certain one-time grants and reimbursements of shared projects
- \* Property taxes exclude the State Water Project property taxes collected by the District as the equal amount in expenses paid from such taxes is also excluded from the expenditure section of Table 10

# Budget Follow-up

Comment: Growth in Operating Expenses and staffing levels

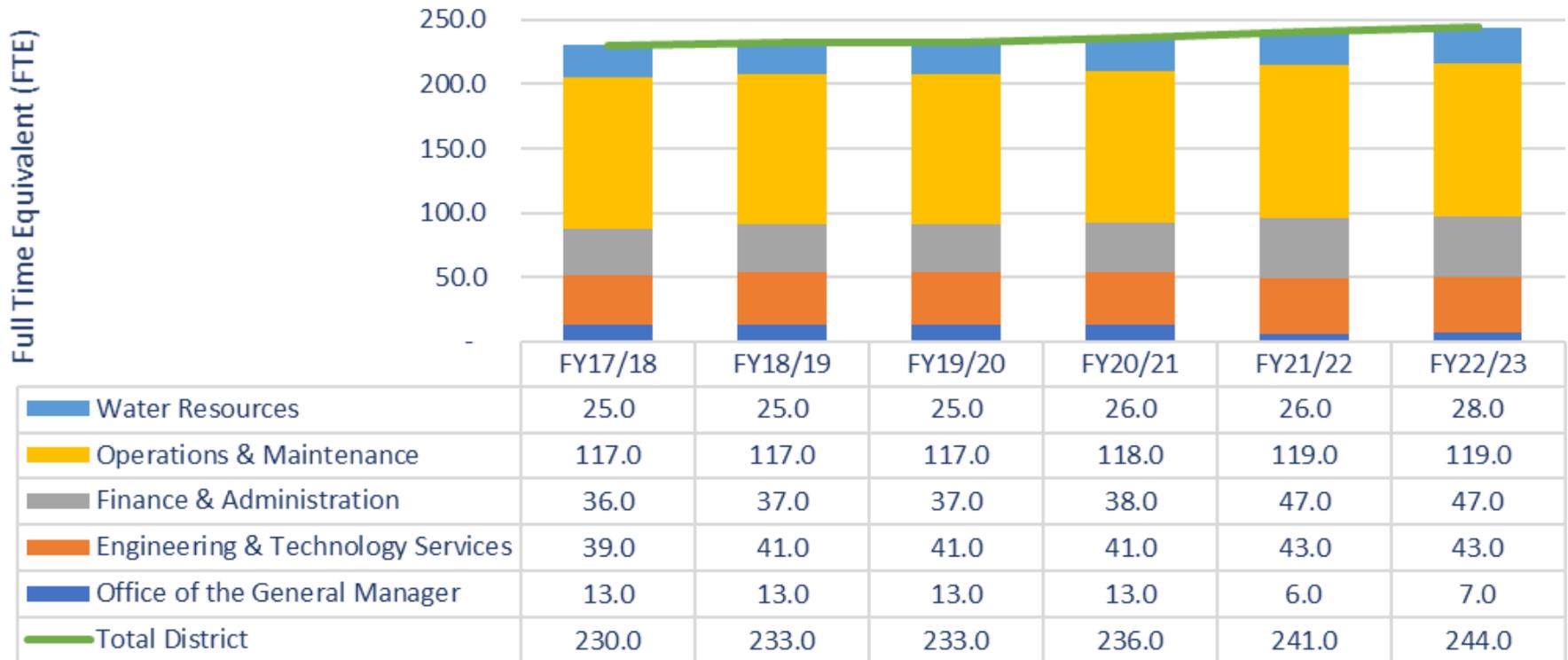
## Follow-up

- Budget tables showed actual expenditures for FYE 20 and 21, estimated actuals for FYE 22, and proposed budget amounts for FYE 23
- Increase in operating costs from the actual FYE 20 amount to the FYE 23 budget is \$23.8M or about 25%. The increase consists primarily of:
  - \$6.2M in labor and benefit costs – major factors include: 1) bargained wage increases, 2) staffing increases, 3) benefit cost increases, and 4) conservative vacancy rate forecast
  - \$5.2M for purchased water – this is mostly the result of taking returns from Semitropic during the drought whereas no returns were taken in FYE 20
  - \$4.5M for expense projects – key projects include Los Vaqueros, a PFAS study, and SCADA replacements
  - \$1.3M for chemicals, \$0.8M for power, \$0.5M for rebates, \$0.8M for computer services and supplies, \$4.2M for professional/miscellaneous services (security, emergency management, payment processing, conservation program, public information, and grant administration, etc.)

# Budget Follow-up

Comment: Growth in Operating Expenses and staffing levels

Position Growth



# Budget Follow-up

Comment: Growth in Operating Expenses and staffing levels

## Follow-up

- Board approved additional 8.0 FTEs in FY 2021/22 and FY 2022/23
  - 2 Engineers for capital program
  - Information Security Officer
  - Operations System Administrator
  - Water Resources Systems Analyst I/II
  - Water Use Efficiency Specialist (Defined Term)
  - Customer Account Representative I (Defined-Term)
  - Special Assistant to the General Manager
- Board approved additional 6.0 FTEs in FY 2018/19 and FY 2020/21
  - Construction Inspector I/II (Defined Term)
  - Engineering Technician I/II (Defined Term)
  - Chemist I/II
  - Meter Reader (Defined Term)
  - Business Analyst I/II

# Budget Follow-up

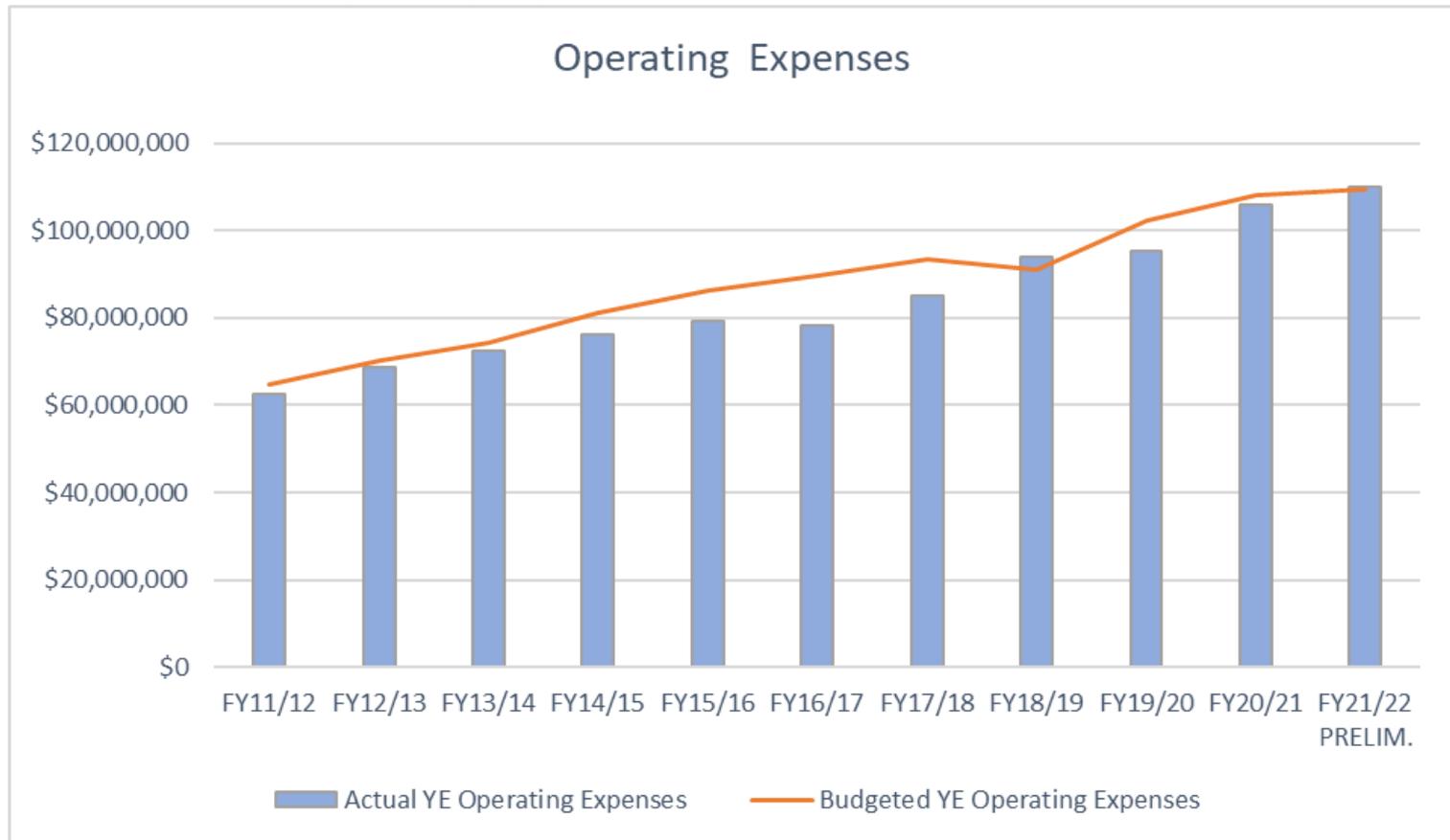
Comment: Expenditures have not matched budget/Capital Improvement Program projections

## Follow-up

- In general, staff budgets to mitigate risk of overspending
- Operating budget projections are intentionally conservative:
  - Request sufficient budget authority for water purchases, power, and chemicals in case water demands are higher than expected
  - Assume 3% vacancy factor (it is usually about double)
- Capital Improvement Program
  - Permitting or other delays affect timing of expenditures, but funds will still be spent on the project eventually
  - Recent staffing increase combined with filling several vacancies should assist in meeting project schedules
  - The objective is to implement the adopted CIP and that is assumed in financial projections

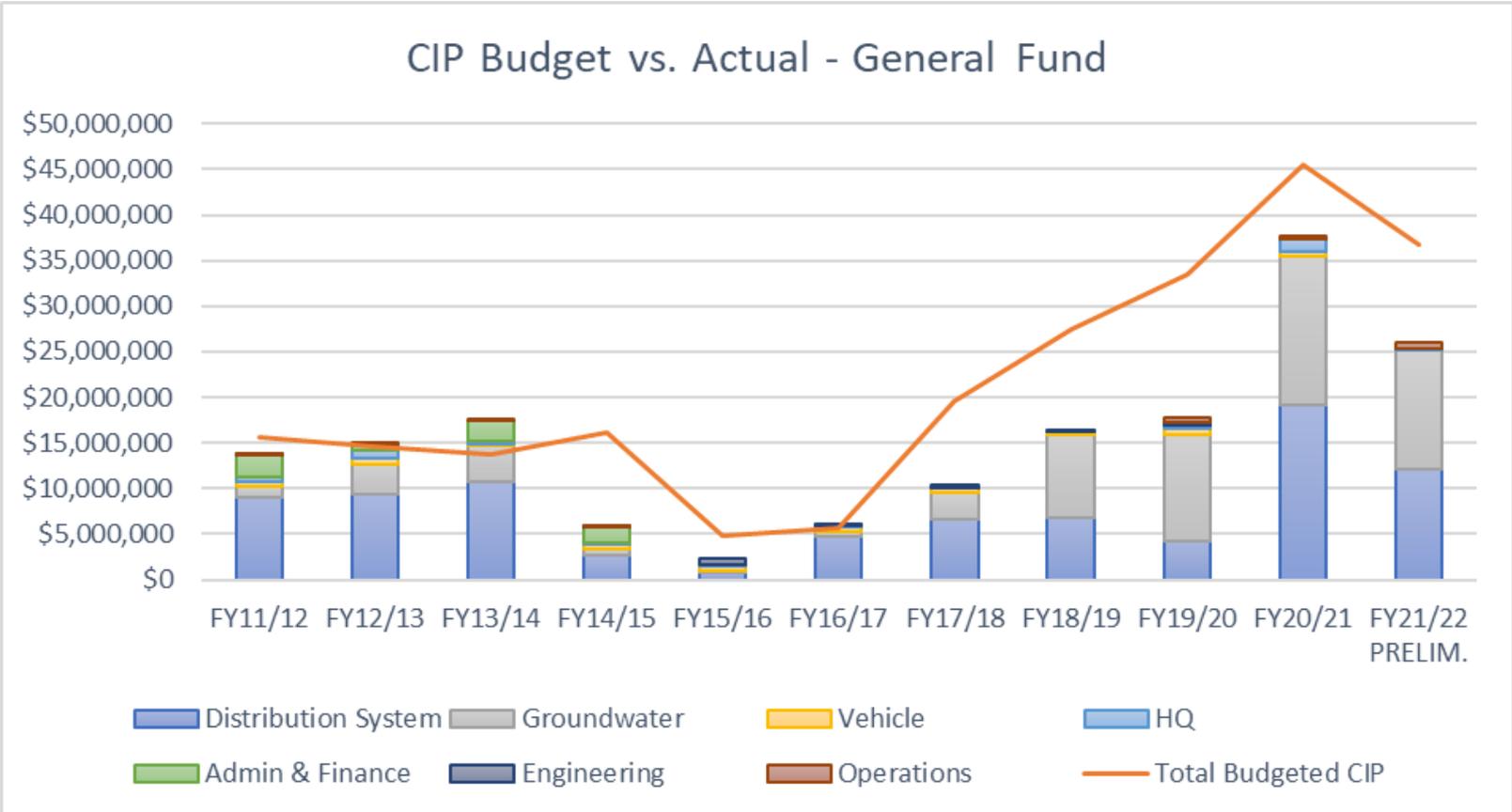
# Budget Follow-up

Comment: Expenditures have not matched budget/Capital Improvement Program projections



# Budget Follow-up

Comment: Expenditures have not matched budget/Capital Improvement Program projections



# Review Key Rate-setting Options

## Transition to HF&H Presentation

ALAMEDA COUNTY WATER DISTRICT

# ALAMEDA COUNTY WATER DISTRICT

RATE DESIGN AND FINANCIAL ADVISORY SERVICES

**Board Workshop**

**July 20, 2022**



**HF&H Consultants**

# INTRODUCTION

## ■ HF&H Consultants

- Established in 1989
- Water, wastewater, stormwater, solid waste rate consultants
- 30-person firm with offices in Walnut Creek and Irvine

## ■ Project Team

- Rick Simonson, Senior Vice President – Project Director
- John Farnkopf, Senior Vice President – Project Advisor
- Geoff Michalczyk, Senior Associate – Project Analyst
- Gabe Sasser, Senior Associate – Project Analyst
- Hailey Gordon, Senior Associate – Support/QC Analyst

# SCOPE OF SERVICES

## ■ Water Rates

- Comprehensive Cost of Service Study
- Rate Update Study

## ■ Developer Fees

- Evaluate Facilities Connection Charge structure and framework
- Update FCC

## ■ Water Loss Audit

- E Source subcontractor

## ■ 3-year contract term with potential 2-year extension

# KEY RATE SETTING POLICY ISSUES

- CIP Funding Strategies
  - Debt funding policy
  - Balancing funding for debt and PAYGo CIP
  - Accumulation of capital reserves
- Split Between Fixed and Variable Revenue
  - Match fixed revenue with fixed costs?
- Approach to Rate Structure and Stage Rates
  - Create multiple customer classes?
  - Uniform consumption charges
  - Increasing block (tiered) consumption charges
  - Other consumption charge structures
  - Revenue stability during droughts – Stage rates

# CIP FUNDING STRATEGIES

Issue:	Debt funding policy
Current practice	<ul style="list-style-type: none"><li>- PAYGo factors<ul style="list-style-type: none"><li>- Assets with shorter useful lives</li><li>- Can adequately fund from current sources without debt</li><li>- Avoid excessive debt and capital market fluctuations</li></ul></li><li>- Debt factors<ul style="list-style-type: none"><li>- Assets with longer useful lives</li><li>- Spread cost recovery over future rate payers</li></ul></li></ul>
Rationale	<ul style="list-style-type: none"><li>- Specified in ACWD Debt Management and Disclosure Policy</li></ul>
Options	<ul style="list-style-type: none"><li>- Possible clarification to current policy<ul style="list-style-type: none"><li>- PAYGo best for ongoing renewal and replacement (not just for short-lived assets)</li><li>- Debt best for major, periodic “lumpy” capital projects</li><li>- Include debt service coverage target for rate making</li></ul></li></ul>
Outcomes	<ul style="list-style-type: none"><li>- Improved guidelines for capital funding</li></ul>

# CIP FUNDING STRATEGIES

<b>Issue:</b>	<b>Balancing funding for debt and PAYGo CIP</b>
Current practice	<ul style="list-style-type: none"><li>- Uses debt to smooth out unusually high capital expenditures, allowing for gradual rate increases</li></ul>
Rationale	<ul style="list-style-type: none"><li>- Moderate rate increases and avoid rate shock</li></ul>
Options	<ul style="list-style-type: none"><li>- Debt service coverage is available to fund PAYGo projects</li><li>- If coverage exceeds PAYGo expenditures, capital reserves will increase</li><li>- Draw down capital reserves to fund PAYGo rather than issue more debt; moderate rate increases</li><li>- If capital reserves continue to exceed target, consider buying down existing debt</li></ul>
Outcomes	<ul style="list-style-type: none"><li>- Controls accumulation of capital reserves</li></ul>

# CIP FUNDING STRATEGIES

<b>Issue:</b>	<b>Accumulation of capital reserves</b>
Current practice	<ul style="list-style-type: none"><li>- Base rates on full capital improvement plan's projected expenses</li><li>- Capital reserves accumulate because (1) actual expenditures are less than the budgeted expenditures that rates are based on or (2) to prepare for higher-than-normal capital spending</li></ul>
Rationale	<ul style="list-style-type: none"><li>- Rates need to fund budgeted expenditures</li></ul>
Options	<ul style="list-style-type: none"><li>- Base rates on historic actual expenditures, rather than on projected expenditures</li><li>- Base rates on a percentage of projected capital expenditures with debt utilized as needed to fund remaining capital costs</li></ul>
Outcomes	<ul style="list-style-type: none"><li>- Reduces or eliminates accumulation of capital reserves</li></ul>

# CIP FUNDING STRATEGIES

<b>Issue:</b>	<b>Approach to funding the CIP</b>
Summary of potential approaches	<ol style="list-style-type: none"><li data-bbox="533 436 1769 544">1. Maintain current approach and fully fund the CIP with rate and other available revenue.</li><li data-bbox="533 565 1721 736">2. Target a debt service coverage level as part of rate-setting; prioritize spending down available capital reserves to the coverage target.</li><li data-bbox="533 758 1798 986">3. Fund a percentage of the CIP from rates and utilize debt for the remainder as needed. The amount funded from rates could be a set percentage or based on historical expenditures.</li></ol> <p data-bbox="533 1072 1692 1179">Pending Board feedback on these approaches, specific scenarios will be prepared for the August workshop</p>

# SPLIT BETWEEN FIXED AND VARIABLE COSTS AND REVENUES

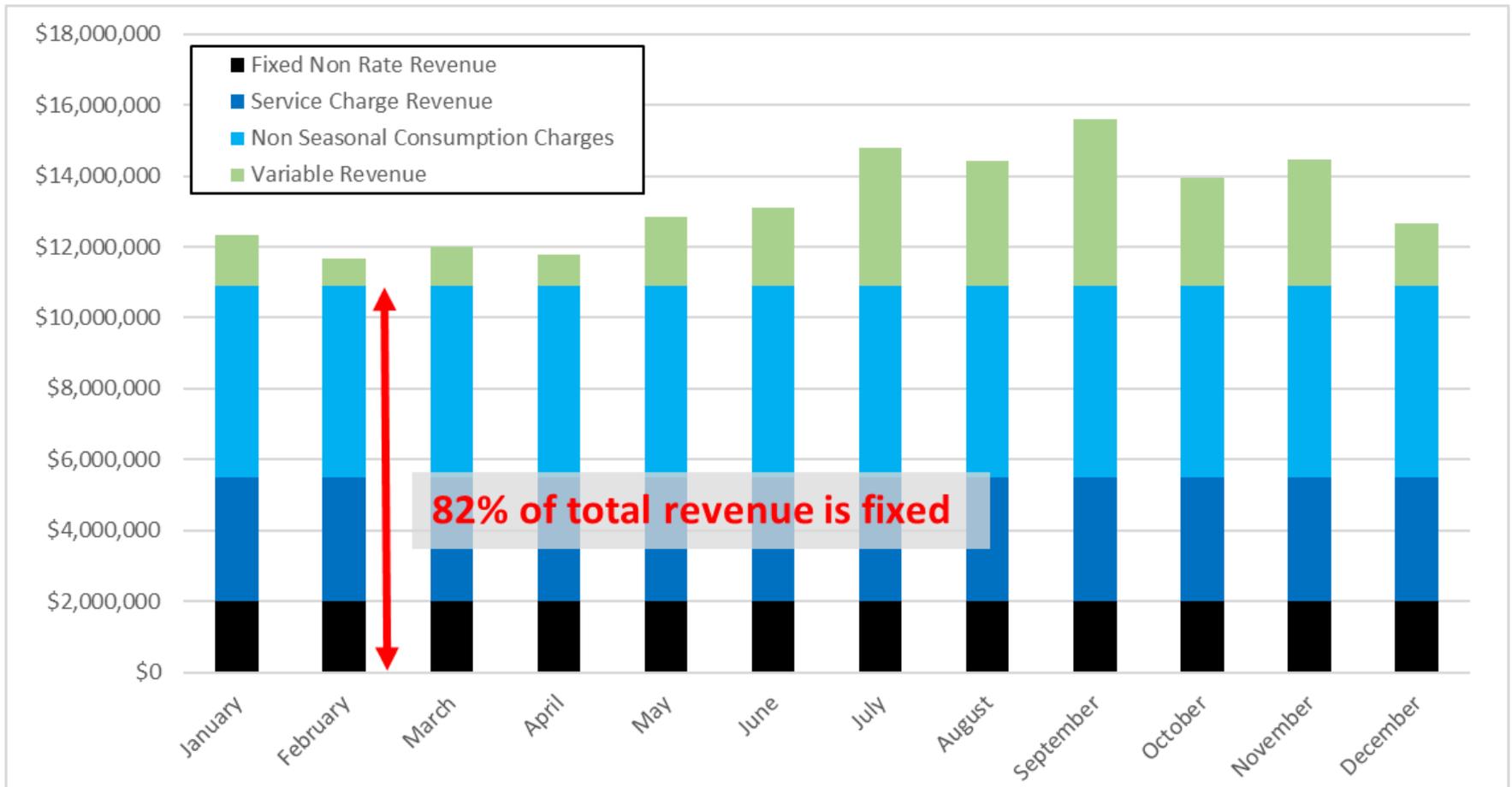
Issue:	Match fixed revenue with fixed costs?
Current practice	<p>76% of costs are fixed</p> <p>9% of revenue from taxes (fixed)</p> <p>26% of revenue from service charges (fixed)</p> <p>40% of revenue from non-seasonal consumption charges (“fixed”)</p> <p><u>7%</u> of revenue from other fixed sources</p> <p>82% of total revenue from fixed charges</p>
Rationale	<ul style="list-style-type: none"> <li>- Revenue stability is provided by fixed revenue</li> </ul>
Options	<ul style="list-style-type: none"> <li>- Increase or decrease portion of revenue from service charges</li> <li>- Use other tools to improve revenue stability               <ul style="list-style-type: none"> <li>- Revenue-neutral rate adjustments during shortages</li> <li>- Maintain adequate reserves</li> </ul> </li> </ul>
Outcomes	<ul style="list-style-type: none"> <li>- If portion of revenue from service charge is increased               <ul style="list-style-type: none"> <li>- Weaker conservation incentive</li> <li>- Less affordable for low-use customers</li> </ul> </li> </ul>

# SPLIT BETWEEN FIXED AND VARIABLE COSTS AND REVENUES (000'S)

FY 2022-23 Budgeted Expenses	Fixed		Variable		Total	
Source of Supply	\$10,906	6%	\$33,581	20%	\$44,487	26%
Pumping	\$1,756	1%	\$870	1%	\$2,626	2%
Water Treatment	\$12,827	8%	\$6,467	4%	\$19,294	11%
Transmission & Distribution	\$17,881	11%	\$0	0%	\$17,881	11%
Customer Accounts	\$5,948	4%	\$0	0%	\$5,948	4%
Administrative & General	\$17,367	10%	\$0	0%	\$17,367	10%
Pension Advance Funding	\$5,566	3%	\$0	0%	\$5,566	3%
Expense Projects	\$5,878	3%	\$0	0%	\$5,878	3%
Capital Projects	\$38,733	23%	\$0	0%	\$38,733	23%
Customer Jobs	\$4,459	3%	\$0	0%	\$4,459	3%
Debt Service	\$5,965	4%	\$0	0%	\$5,965	4%
<b>Total Expenses</b>	<b>\$127,286</b>	<b>76%</b>	<b>\$40,918</b>	<b>24%</b>	<b>\$168,204</b>	<b>100%</b>
FY 2022-23 Budgeted Revenues	Fixed/Reliable		Variable		Total	
Service Charges	\$41,955	26%	\$854	1%	\$42,809	27%
Non Seasonal Consumption Charge	\$64,631	40%	\$0	0%	\$64,631	40%
Tax Revenue	\$13,537	8%	\$0	0%	\$13,537	8%
<b>Subtotal</b>	<b>\$120,123</b>	<b>75%</b>	<b>\$854</b>	<b>1%</b>	<b>\$120,977</b>	<b>76%</b>
Seasonal Consumption Charge	\$0	0%	\$6,388	4%	\$6,388	4%
Drought Surcharge	\$0	0%	\$11,281	7%	\$11,281	7%
Ground Water Replenishment	\$577	0%	\$0	0%	\$577	0%
Connection Fees	\$0	0%	\$1,640	1%	\$1,640	1%
Grant/Reimbursements	\$0	0%	\$8,744	5%	\$8,744	5%
Customer Jobs	\$5,090	3%	\$0	0%	\$5,090	3%
Interest	\$3,721	2%	\$0	0%	\$3,721	2%
Other Revenue	\$1,205	1%	\$0	0%	\$1,205	1%
<b>Total Revenue</b>	<b>\$130,716</b>	<b>82%</b>	<b>\$28,907</b>	<b>18%</b>	<b>\$159,623</b>	<b>100%</b>

Revenue from service charges, non-seasonal consumption charges, and property taxes (75% of total revenue) almost covers all the fixed costs (76%) of total costs.

# SPLIT BETWEEN FIXED AND VARIABLE COSTS AND REVENUES



# SPLIT BETWEEN FIXED AND VARIABLE COSTS AND REVENUES

- Water agencies are free to have either fixed charges, consumption charges, or both
  - Charges must not exceed the cost of providing service (ideally cost based)
  - Agencies typically have both fixed and consumption charges
    - Fixed costs are incurred regardless of how much water is used and are partially covered with fixed charges in proportion to capacity needs (i.e., meter size)
    - Consumption charges cover both variable and fixed costs in proportion to demand
      - Notable exception: LADWP has only consumption charges with no fixed charges
- Fixed charges provide revenue stability but as an industry practice do not match fixed costs
  - Other tools are also available to provide revenue stability (e.g., rate stabilization reserves, drought rate adjustments, pass-thru adjustments)

# SPLIT BETWEEN FIXED AND VARIABLE COSTS AND REVENUES

- If fixed charges increase as a portion of rate revenue
  - Customer bills become less responsive to demand, weakening the conservation signal (and the reason for metering)
  - For low use customers, bills become less affordable because no matter how much they save, their bills are dominated by the fixed charge
- ACWD's service charges are currently 34% of rate revenue
  - A customer who reduces demand 50% will see a 33% reduction in a bill - not what some customers hope for
  - If the fixed charges increase to 76% to cover all fixed costs, a 50% reduction in demand will reduce a bill 12% - not what some customers feel is a fair return for their efforts and investment in conservation
- An agency's need for revenue stability should consider all sources of fixed revenue to achieve a balance with customers' needs for rewards and incentives to conserve

# APPROACH TO RATE STRUCTURE

<b>Issue:</b>	<b>Create Multiple Customer Classes?</b>
Current practice	ACWD has one class for consumption charges
Rationale	<ul style="list-style-type: none"><li>• Charge rates with structures tailored to each class, which can encourage conservation, discourage waste</li><li>• Set conservation goals during shortages commensurate with each class' needs and ability to cut back</li></ul>
Options	<ul style="list-style-type: none"><li>- Single family (possible SFR irrigation subclass)</li><li>- Multi family (could be included in commercial)</li><li>- Commercial</li><li>- Irrigation</li><li>- Industrial (if significant "wet" industries)</li></ul>
Outcomes	<ul style="list-style-type: none"><li>- More exacting rate making</li><li>- Improved conservation signal</li><li>- Improved ability to manage water curtailment during shortages</li><li>- Additional rate-making effort</li></ul>

# APPROACH TO RATE STRUCTURE

Issue:	Uniform consumption charges
Current practice	<ul style="list-style-type: none"> <li>- ACWD charges one uniform rate to all customers</li> </ul>
Rationale	<ul style="list-style-type: none"> <li>- Easiest to maintain compared to other consumption charge structures (except flat rates)</li> <li>- Easiest for customers to understand</li> </ul>
Options	<ul style="list-style-type: none"> <li>- Maintain current policy</li> <li>- Or introduce additional classes with uniform or tiered rates               <ul style="list-style-type: none"> <li>- Single family residential – 3 or 4 tiers</li> <li>- Multi family residential – uniform or 2 tiers or combine with commercial</li> <li>- Commercial, industrial – uniform or 2 tiers</li> <li>- Irrigation – 3 or 4 tiers</li> </ul> </li> </ul>
Outcomes	<ul style="list-style-type: none"> <li>- Tiered rates have a stronger conservation signal</li> <li>- Uniform rates may be appropriate for certain classes</li> </ul>

# APPROACH TO RATE STRUCTURE

<b>Issue:</b>	<b>Increasing block (tiered) consumption charges</b>
Current practice	- ACWD does not charge tiered rates
Rationale	- Harder to maintain tiered rates compared to other structures - Harder for customers to understand and accept, particularly residential customers with large households
Options	- Maintain current policy - Or introduce additional classes with tiered rates <ul style="list-style-type: none"><li>- Tiered rates are best suited for classes with homogeneous demand patterns (i.e., single family residential as opposed to commercial)</li><li>- Should base size of tiers on actual demand, not on water budgets</li></ul>
Outcomes	- Tiered rates have a comparatively strong conservation signal, which will help ACWD reach its conservation goals

# APPROACH TO RATE STRUCTURE

<b>Issue:</b>	<b>Other consumption charge structures</b>
Current practice	- ACWD charges all customers a uniform rate only
Rationale	- Uniform rates have met ACWD's rate-making objectives historically
Options	- Water budget rates with tiers based on allowances <ul style="list-style-type: none"><li>- Single family tiers are based on inside and outside water budgets</li><li>- Non-residential tiers are based on current versus prior water use</li></ul> - Seasonal water rates (higher rates in summer)
Outcomes	- Potential cost of service considerations <ul style="list-style-type: none"><li>- Water budget rates charge different amounts for the same volume of water depending on the budget</li><li>- Seasonal water rates are generally discretionary</li></ul>

# APPROACH TO RATE STRUCTURE

<b>Issue:</b>	<b>Revenue Stability During Droughts – Stage Rates</b>
Current practice	<ul style="list-style-type: none"><li>- Uniform rates: less affected by droughts and economics</li><li>- Stage rate adjustments to cover revenue shortfalls</li></ul>
Rationale	<ul style="list-style-type: none"><li>- Revenue stability is essential in an industry vulnerable to unforeseeable water supply and financial conditions</li><li>- Revenue stability provides financial predictability to customers</li></ul>
Options	<ul style="list-style-type: none"><li>- A combination of tools can optimize revenue stability<ul style="list-style-type: none"><li>- Continue with stage rate adjustments</li><li>- Re-balance revenue from service and consumption charges in conjunction with adding tiered rates</li><li>- Confirm target balances for revenue stabilization and emergency reserves</li></ul></li><li>- Confirm derivation of stage rates (drought surcharges)</li></ul>
Outcomes	<ul style="list-style-type: none"><li>- Stronger financial position that will moderate rate increases and could improve credit rating</li></ul>

# STAGE RATE OPTIONS

- Issue: During times of water shortages, customers are asked to conserve
  - Conservation results in lower revenues from consumption charges
  - Consumption charges pay for some fixed costs
  - Reserves can be used for short-term revenue shortfalls
- Options for revenue neutral rate adjustments to offset long-term revenue shortfalls due to drought
  - Option 1: Equal monthly charge per account
  - Option 2: Uniform per-HCF increase to consumption rate – All water use
  - Option 3: Tiered per-HCF increase to consumption rate – For water use above an allotment (e.g., no increase in the rate per HCF until water use exceeds 6 HCF)
  - Option 4: If customer classes are adopted, apply revenue-neutral multipliers to the consumption rate for each class based on its unique conservation target

# STAGE RATES - OPTION 4 EXAMPLE

## Shortage reductions

Equal reductions to all classes:

For every 1% reduction in non-seasonal demand, seasonal demand reduced by 6%

For a 20% Stage C reduction, the reduction for SFR customers was 10% of non-seasonal demand and 60% for seasonal demand

## Stabilization factors

Derived to increase consumption rates to offset revenue shortfall (net of cost savings)

For a 20% Stage C reduction, the SFR consumption rates are increased 1.199 times

Shortage Reductions By Class					
Class	Stage A	Stage B	Stage C	Stage D	Stage E
	5% Reduction	10% Reduction	20% Reduction	30% Reduction	50% Reduction
SFR	6%	13%	25%	38%	60%
MFR	3%	5%	11%	16%	32%
Commercial	3%	6%	13%	19%	36%
Irrigation	11%	23%	46%	69%	100%

Revenue Stabilization Factors By Class					
Class	Stage A	Stage B	Stage C	Stage D	Stage E
	5% Reduction	10% Reduction	20% Reduction	30% Reduction	50% Reduction
SFR	1.040	1.085	1.199	1.359	1.886
MFR	1.016	1.033	1.071	1.113	1.279
Commercial	1.019	1.039	1.084	1.136	1.325
Irrigation	1.076	1.176	1.500	2.306	n/a

# Conclusion

## Recap Board guidance

- Financial planning assumptions
- Approach to funding the Capital Improvement Program
- Revenue recovery allocation between taxes, fixed service charges and commodity charges
- Rate structure
- Approach to stage rates

## Next Steps

- Discuss more specific scenarios and refine proposal at Board workshops August 25 and September 22

# Alameda County Water District

Questions?



# ALAMEDA COUNTY WATER DISTRICT

Fremont, California

Fiscal Year 2022/23

# Amended Budget



**ALAMEDA COUNTY WATER DISTRICT**

**AMENDED**

**BUDGET**

**FISCAL YEAR 2022/23**

**June 9, 2022**

**ALAMEDA COUNTY WATER DISTRICT  
 AMENDED BUDGET  
 FISCAL YEAR 2022/23  
 TABLE OF CONTENTS**

	<b>Page</b>
<b>Transmittal Letter</b>	i
<b>Total Budget</b>	
Total Budget - Revenues and Expenses	1
Total Budget By Department - Revenues and Expenses	2
General Fund - Revenues and Expenses	3
Facilities Improvement Fund - Revenues and Expenses	4
Facilities Renewal Fund - Revenues and Expenses	5
Changes in Fund Balance by Fund	6
Reserves	7
Expense Summary by Department	8
Expense Summary - Department Detail	9
Expense Summary - Cost Center	10
Expense Summary - Cost Element	11
<b>Revenues</b>	
Revenues - Detail	12
Grants & Reimbursements - Detail	13
<b>Operating Expenses</b>	
Operating Expenses - Summary	14
Operations & Maintenance (O&M) Detail	15
Administrative & General (A&G) Detail	16
Expense Projects Detail	17
<b>Capital Projects</b>	
Capital Projects - Summary	18
Distribution System	19
Ground Water	21
Vehicle	22
Headquarters Facility	23
Engineering	24
Operations	25
Customer Jobs	26
<b>Debt Service</b>	
Debt Service - Schedule	27
<b>Labor and Benefits</b>	
Labor Cost Detail	28
Employee Retirement and Benefit Detail	29
<b>Personnel</b>	
Personnel Budget	30
Organization Charts	31
Personnel Budget Summary	37
Personnel Budget Detail by Division	38
<b>Appendix A</b>	
25-Year Capital Improvement Program	43
<b>Budget Resolution</b>	46



BOARD MEMBERS

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Finance and Administration

June 9, 2022

Board of Directors  
Alameda County Water District  
43885 South Grimmer Boulevard  
Fremont, CA 94538

Dear Board of Directors:

**Subject: Proposed Midcycle Budget for FY 2022/23**

The Board of Directors adopted the Alameda County Water District’s Fiscal Years (FY) 2021/22 and 2022/23 Operating Budget and Fiscal Years 2021/22 through 2045/46 Capital Improvement Program (CIP) Budget on June 10, 2021. As part of the District’s two-year budget cycle, staff reviewed the adopted budgets and proposed amendments to budgeted revenues and expenditures for the second year of the budget cycle to more accurately reflect the District’s anticipated financial activity during FY 2022/23. The purpose of the Midcycle Budget review is to confirm the budget reflects the Board’s priorities, economic and drought conditions, capital project schedules, projected revenues and expenses, and reserve policy targets. The FY 2022/23 Proposed Midcycle Budget is presented here for the Board of Directors’ consideration.

The total amended budget for FY 2022/23 includes \$175.8 million in expenditures with \$129.5 million in operating and debt service and \$46.3 million in capital. The FY 2022/23 Amended Budget increased by \$13.1 million compared to the FY 2022/23 Adopted Budget. The Operating Budget increased by \$5.7 million and the CIP Budget increased by \$7.4 million compared to the FY 2022/23 Adopted Budget.

	FY 2022/23 Adopted Budget	FY 2022/23 Amended Budget	Change
Operating Budget and Debt Service	\$123,737,000	\$129,471,000	\$5,734,000
Capital Improvement Program	\$38,928,000	\$46,324,000	\$7,396,000
<b>Total</b>	<b>\$162,665,000</b>	<b>\$175,795,000</b>	<b>\$13,130,000</b>

## Revenue

Total revenues are budgeted at \$159.6 million in the FY 2022/23 Amended Budget, an increase of \$5.9 million compared to the FY 2022/23 Adopted Budget. The increase is primarily attributable to an increase in customer jobs revenue and the timing of grants and reimbursements.

The District's largest revenue source is water revenue, which includes service charges and commodity charges. The FY 2022/23 Amended Budget also includes stage rate water revenues which became effective March 1, 2022. Water revenue in the amended budget is projected to decrease \$1.3 million compared to the adopted budget due to lower consumption, which is mostly, but not entirely, offset by water shortage emergency stage rate revenue. The projected billed water demands decreased 3.6 million gallons per day compared to the adopted budget. The amended budget assumes a water rate increase of 3% effective March 1, 2023.

Facilities Connection Charge revenues (Facilities Improvement Fund and Facilities Renewal Fund) are budgeted at \$1.6 million for the FY 2022/23 Amended Budget, a decrease of \$3.1 million compared to the adopted budget. This represents the expected level of completion of development projects in the service area during the next fiscal year as several projects finished in the current fiscal year. The current FY 2021/22 year-end estimates are \$3.3 million higher than the FY 2021/22 Adopted Budget. FY 2022/23 Customer Jobs revenue increased by \$3.8 million compared to the adopted budget, while Interest revenue increased by \$1.0 million.

Grants and Reimbursements are budgeted at \$8.7 million for the FY 2022/23 Amended Budget, an increase of \$5.4 million compared to the adopted budget. The current FY 2021/22 year-end estimates are at \$6.5 million, which is \$5.1 million lower than the FY 2021/22 Adopted Budget. This is primarily due to the timing of capital projects. The District has successfully finalized a \$2.0 million grant for implementation of the Advanced Metering Infrastructure (AMI) Project.

## Operating Expenses

Adjustments to operating expenses are proposed to reflect updated expenditure projections and planned activities. The Operating Expenses (excluding expense projects) are budgeted at \$113.2 million in the FY 2022/23 Amended Budget, an increase of \$5.4 million compared to the FY 2022/23 Adopted Budget. Water purchases increased by \$1.8 million primarily due to the additional water costs for Semitropic. Water purchase costs also increased to reflect a 15.9% increase in the wholesale water rate by SFPUC (this rate increase was previously projected to be 5.4%), but this increase was offset by an assumed lower purchase volume from SFPUC. Chemical costs increased by \$0.7 million as a result of sharp pricing increases due to market conditions including supply chain disruptions. This increase is occurring despite District participation in a regional consortium to ensure the best possible pricing for chemicals. Professional, miscellaneous, legal, and contractor services increased \$1.3 million. There are an additional \$0.5 million in costs related to negotiated labor contracts and \$0.2 million in the water conservation rebate program. The amended budget includes maintaining aggressive contributions for pension and other post-employment benefits to reduce long-term costs and achieve full funding of the District's unfunded actuarial accrued liabilities no later than June 2032.

## Expense Projects

Expense Projects for extraordinary expenses are budgeted at \$5.9 million in the FY 2022/23 Amended Budget, an increase of \$0.8 million compared to the FY 2022/23 Adopted Budget. The changes include \$1.1 million increase for a PFAS Treatment Study, \$0.9 million in new appropriations for the SCADA Replacement Project, \$0.3 million for the Alternative Update and Model, and \$0.3 million for Water Treatment Plant No. 2 Process Basin Concrete Grouting. Based on an updated estimate for next fiscal year, the Los Vaqueros Reservoir Expansion Project decreased by \$1.1 million.

## **Debt Service**

On March 22, 2022, the District competitively issued \$43.6 million of tax-exempt bonds to fund various capital projects and refund the outstanding 2012 Water Revenue Bonds. The issuance included \$10 million in new money for capital improvement projects. The sale resulted in a true interest cost of 2.660% and produced savings of over \$2.5 million. The District successfully maintained its “AAA” rating from S&P and “Aa1” rating from Moody’s. The District is no longer pursuing the State Revolving Fund (SRF) Loan and the anticipated debt service payment for the SRF loan is removed. The FY 2022/23 Amended Budget includes debt service payments for the outstanding 2015 Water Revenue Bonds and the 2022 Water Revenue Bonds totaling \$6.0 million, a decrease of \$0.6 million compared to the FY 2022/23 Adopted Budget. The debt service coverage ratio is projected to be 6.00 for FY 2022/23, above the District’s bond covenant requirement of 1.25 and debt service policy coverage target of 2.00.

## **Capital Expenditures**

The District continues to make prudent investments in infrastructure renewal and seismic improvements to enhance system reliability. The highest priority projects are the projects needed to prevent failure of critical facilities or functions (such as water quality, water supply, or production and distribution reliability) or comply with regulatory or statutory requirements. The Capital Improvement Program has been updated to reflect the latest scheduling information and priorities. Cost estimates for near-term construction projects are revised to reflect inflation per current market conditions, while out-year projects are not fully escalated for inflation.

The total CIP budget includes \$46.3 million in Capital Projects, \$5.9 million in Expense Projects, and \$4.5 million in Customer Jobs, totaling \$56.7 million in FY 2022/23, an increase of \$8.2 million compared to the FY 2022/23 Adopted Budget. Key expenditures for FY 2022/23 include the Advanced Metering Infrastructure Project (\$13.8 million), PFAS Treatment (\$4.8 million), Alameda Reservoir Roof Replacement (\$4.5 million), Curtner Road Booster Station Upgrade (\$4.3 million), Main Renewal - MR1 Driscoll (\$3.9 million), Avalon Tank Slope Stabilization Improvements (\$2.3 million), and the Service Line Emergency Replacement Program (\$1.4 million). Customer Jobs are budgeted at \$4.5 million for the FY 2022/23 Amended Budget to accommodate new developments and requested service-related improvements. The District’s expenditures for Customer Jobs are reimbursed by the parties that receive benefits from those projects.

## **Major Investments**

The budget includes operations and maintenance expenses as well as capital project expenditures for the two-year budget. The District also makes critical long term investments in system reliability and water supply. The District’s financial planning model and the District’s 25-year CIP include the following major investments and financial commitments over the span of the 25-year planning period: Delta Conveyance Project (\$139 million), Los Vaqueros Expansion Project (\$95 million), Advanced Metering Infrastructure Project (\$75 million; includes full replacement in 20 years), Main Renewal Program (\$571 million), and Water Reclamation, Phase 1 Project (\$135 million).

## **Staffing**

The labor and benefit costs in the amended budget are consistent with labor contracts. The amended budget proposes the following personnel budget changes to better align District personnel resources with current operational priorities: Add one Defined Term Water Use Efficiency Specialist I to assist with drought-related tasks, and reclassify three vacant positions – delete a vacant Planner/Scheduler position and replace it with a Senior Utility Mechanic, delete a vacant Network Technician position and replace it with an Information Technology Analyst/Administrator, and delete a vacant Defined Term Engineering Technician I/II and replace it with a Defined Term Public Affairs Specialist I/II. In a separate action at the June 9, 2022 Board meeting, staff also proposes creating a new Water Resources Systems Analyst classification and deleting a Water Operations Analyst position and replacing it with one position at the new classification. The changes will increase the

District's total authorized positions to 244.0 Full Time Equivalents (FTEs). In addition, the Human Resources and Risk Management division is reorganized from the Office of the General Manager to the Finance and Administration Department.

The overall impact of estimated FY 2021/22 financial results and proposed revisions to revenues, operating expenses, and the CIP for the amended FY 2022/23 budget is a total \$5.3 million decrease (Net of Revenues & Expenses) in total District funds compared to the adopted FY 2021/22 and 2022/23 budgets and a projected ending balance at June 30, 2023, of \$186.2 million (General Fund: \$120.3 million; Facilities Improvement Fund: \$65.9 million). This is compared to a projected ending balance of \$191.5 million (General Fund: \$128.2 million; Facilities Improvement Fund: \$63.3 million) at June 30, 2023 in the adopted FY 2022/23 budget. The projected General Fund ending balance meets or exceeds the target levels established in the District's Statement of Reserve Fund Policy and is expected to stay within reserve targets in future years. The proposed amended budget will also continue to meet the District's policy of maintaining a debt service coverage ratio of 2.00 or greater, which exceeds the debt covenant obligation of 1.25.

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read 'Ed Stevenson', is positioned above the printed name.

Ed Stevenson  
General Manager

ALAMEDA COUNTY WATER DISTRICT

TOTAL BUDGET  
REVENUES & EXPENSES  
(\$ in thousands)

	FY 19/20 Actual Activity	FY 20/21 Actual Activity	FY 21/22 Adopted Budget	FY 21/22 Estimated Actual	FY 22/23 Adopted Budget	FY 22/23 Amended Budget
<b>Beginning Balance</b>						
General Fund	\$107,571	\$123,822	\$122,120	\$123,949	\$125,983	\$131,875
Facilities Improvement Fund (FIF)	63,463	70,693	67,773	71,352	64,798	70,500
Facilities Renewal Fund (FRF)	-	-	-	-	-	-
<b>Total Beginning Balance</b>	<b>171,035</b>	<b>194,514</b>	<b>189,893</b>	<b>195,301</b>	<b>190,781</b>	<b>202,375</b>
<b>Revenues</b>						
Water Revenue	113,751	121,339	120,600	113,125	126,384	113,828
Stage Rate Water Revenue	-	-	-	2,820	-	11,281
Ground Water Revenue	539	499	579	539	588	577
1% Tax Allocation	6,884	6,953	7,360	7,363	7,610	7,613
State Water Contract Tax	5,595	5,581	6,090	6,090	5,924	5,924
Interest Revenue	3,699	3,638	2,665	3,808	2,676	3,721
Facilities Connection Charges - FIF	10,068	4,157	1,980	4,163	3,100	1,050
Facilities Connection Charges - FRF	4,383	2,025	1,020	2,165	1,610	590
Customer Jobs Revenue	3,272	1,439	940	2,480	1,230	5,090
Grants, Reimbursements	6,640	10,207	11,628	6,521	3,329	8,744
Other Revenue	1,317	1,423	1,208	1,022	1,225	1,205
<b>Total Revenues</b>	<b>156,147</b>	<b>157,260</b>	<b>154,068</b>	<b>150,096</b>	<b>153,676</b>	<b>159,622</b>
<b>Expenses</b>						
Source of Supply	36,906	41,911	42,905	42,865	42,769	44,487
Pumping	1,574	1,875	2,495	2,157	2,550	2,626
Water Treatment	15,423	14,800	17,334	16,888	17,839	19,294
Transmission & Distribution	14,903	15,086	14,654	14,733	15,683	17,881
Customer Accounts	1,983	4,551	5,501	4,842	5,704	5,948
Administrative & General	17,112	17,747	16,591	16,834	18,162	17,367
Pension Advanced Funding	5,975	5,506	5,866	5,465	5,016	5,566
Expense Projects	1,344	4,512	4,104	5,439	5,032	5,878
<b>Total Operating Expenses</b>	<b>95,220</b>	<b>105,987</b>	<b>109,449</b>	<b>109,222</b>	<b>112,753</b>	<b>119,047</b>
Capital Projects	26,357	44,515	43,655	34,184	38,928	46,324
Customer Jobs	5,687	3,653	4,348	4,136	4,459	4,459
Debt Service	6,378	5,529	5,479	5,479	6,526	5,965
<b>Total Non-Operating Expenses</b>	<b>38,422</b>	<b>53,698</b>	<b>53,481</b>	<b>43,799</b>	<b>49,912</b>	<b>56,748</b>
<b>Total Expenses</b>	<b>133,642</b>	<b>159,685</b>	<b>162,931</b>	<b>153,021</b>	<b>162,665</b>	<b>175,794</b>
<b>Net of Revenues &amp; Expenses</b>	<b>22,505</b>	<b>(2,425)</b>	<b>(8,862)</b>	<b>(2,925)</b>	<b>(8,989)</b>	<b>(16,173)</b>
<b>Debt Proceeds</b>	-	-	9,750	10,000	9,750	-
Reconciling Timing Difference	976	3,211	-	-	-	-
<b>Ending Cash Balance</b>						
General Fund	123,822	123,948	125,983	131,876	128,245	120,347
Facilities Improvement Fund	70,693	71,352	64,798	70,500	63,296	65,855
Facilities Renewal Fund	-	-	-	-	-	-
<b>Total Ending Cash Balance</b>	<b>\$194,514</b>	<b>\$195,300</b>	<b>\$190,781</b>	<b>\$202,376</b>	<b>\$191,541</b>	<b>\$186,202</b>

**ALAMEDA COUNTY WATER DISTRICT**

**TOTAL BUDGET  
REVENUES & EXPENSES  
(\$ in thousands)**

	<b>FY 19/20 Actual Activity</b>	<b>FY 20/21 Actual Activity</b>	<b>FY 21/22 Adopted Budget</b>	<b>FY 21/22 Estimated Actual</b>	<b>FY 22/23 Adopted Budget</b>	<b>FY 22/23 Amended Budget</b>
<b>Beginning Balance</b>						
General Fund	\$107,571	\$123,822	\$122,120	\$123,949	\$125,983	\$131,875
Facilities Improvement Fund (FIF)	63,463	70,693	67,773	71,352	64,798	70,500
Facilities Renewal Fund (FRF)	-	-	-	-	-	-
<b>Total Beginning Balance</b>	<b>171,035</b>	<b>194,514</b>	<b>189,893</b>	<b>195,301</b>	<b>190,781</b>	<b>202,375</b>
<b>Revenues</b>						
Water Revenue	113,751	121,339	120,600	113,125	126,384	113,828
Stage Rate Water Revenue	-	-	-	2,820	-	11,281
Ground Water Revenue	539	499	579	539	588	577
1% Tax Allocation	6,884	6,953	7,360	7,363	7,610	7,613
State Water Contract Tax	5,595	5,581	6,090	6,090	5,924	5,924
Interest Revenue	3,699	3,638	2,665	3,808	2,676	3,721
Facilities Connection Charges - FIF	10,068	4,157	1,980	4,163	3,100	1,050
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Grants, Reimbursements	6,640	10,207	11,628	6,521	3,329	8,744
Other Revenue	1,317	1,423	1,208	1,022	1,225	1,205
<b>Total Revenues</b>	<b>156,147</b>	<b>157,260</b>	<b>154,068</b>	<b>150,096</b>	<b>153,676</b>	<b>159,622</b>
<b>Department Expenses</b>						
Board of Directors	87	77	79	87	92	127
General Manager's Office	4,151	3,996	5,244	5,213	5,085	2,893
Engineering & Technology Services	6,070	6,741	6,493	6,567	7,681	7,818
Operations & Maintenance	39,703	40,301	43,647	43,866	45,056	49,463
Water Resources	36,221	41,660	42,399	42,646	42,269	44,576
Finance	5,205	8,056	9,438	8,482	9,642	12,752
District-Wide	28,879	27,931	28,924	27,230	28,912	29,190
Expense Credits	(26,439)	(27,287)	(30,878)	(30,306)	(31,015)	(33,651)
<b>Dept Operating Expenses</b>	<b>93,876</b>	<b>101,475</b>	<b>105,345</b>	<b>103,784</b>	<b>107,721</b>	<b>113,168</b>
Expense Projects	1,344	4,512	4,104	5,439	5,032	5,878
<b>Total Operating Expenses</b>	<b>95,220</b>	<b>105,987</b>	<b>109,449</b>	<b>109,223</b>	<b>112,753</b>	<b>119,047</b>
Capital Projects	26,357	44,515	43,655	34,184	38,928	46,324
Customer Jobs	5,687	3,653	4,348	4,136	4,459	4,459
Debt Service	6,378	5,529	5,479	5,479	6,526	5,965
<b>Total Non-Operating Expenses</b>	<b>38,422</b>	<b>53,698</b>	<b>53,481</b>	<b>43,799</b>	<b>49,912</b>	<b>56,748</b>
<b>Total Expenses</b>	<b>133,643</b>	<b>159,685</b>	<b>162,931</b>	<b>153,021</b>	<b>162,665</b>	<b>175,794</b>
<b>Net of Revenues &amp; Expenses</b>	<b>22,504</b>	<b>(2,425)</b>	<b>(8,863)</b>	<b>(2,926)</b>	<b>(8,989)</b>	<b>(16,173)</b>
<b>Debt Proceeds</b>	-	-	9,750	10,000	9,750	-
Reconciling Timing Difference	976	3,211	-	-	-	-
<b>Ending Cash Balance</b>						
General Fund	123,822	123,948	125,983	131,876	128,245	120,347
Facilities Improvement Fund	70,693	71,352	64,798	70,500	63,296	65,855
Facilities Renewal Fund	-	-	-	-	-	-
<b>Total Ending Cash Balance</b>	<b>\$194,514</b>	<b>\$195,300</b>	<b>\$190,781</b>	<b>\$202,376</b>	<b>\$191,541</b>	<b>\$186,202</b>

## ALAMEDA COUNTY WATER DISTRICT

GENERAL FUND  
REVENUES & EXPENSES  
(\$ in thousands)

	FY 19/20 Actual Activity	FY 20/21 Actual Activity	FY 21/22 Adopted Budget	FY 21/22 Estimated Actual	FY 22/23 Adopted Budget	FY 22/23 Amended Budget
<b>Beginning Balance</b>	<b>\$107,571</b>	<b>\$123,822</b>	<b>\$122,120</b>	<b>\$123,949</b>	<b>\$125,983</b>	<b>\$131,875</b>
<b>Revenues</b>						
Water Revenue	113,751	121,339	120,600	113,125	126,384	113,828
Stage Rate Water Revenue	-	-	-	2,820	-	11,281
Ground Water Revenue	539	499	579	539	588	577
1% Tax Allocation	6,884	6,953	7,360	7,363	7,610	7,613
State Water Contract Tax	5,595	5,581	6,090	6,090	5,924	5,924
Interest Revenue	2,338	2,331	1,737	2,450	1,780	2,415
Customer Jobs Revenue	3,272	1,439	940	2,480	1,230	5,090
Grants, Reimbursements	6,640	10,207	11,628	6,521	3,329	8,744
Other Revenue	1,317	1,423	1,208	1,022	1,225	1,205
<b>Total GF Revenues</b>	<b>140,335</b>	<b>149,771</b>	<b>150,140</b>	<b>142,410</b>	<b>148,069</b>	<b>156,676</b>
<b>Expenses</b>						
Source of Supply	36,824	41,911	42,905	42,865	42,769	44,487
Pumping	1,574	1,875	2,495	2,157	2,550	2,626
Water Treatment	15,423	14,800	17,334	16,888	17,839	19,294
Transmission & Distribution	14,903	15,086	14,654	14,733	15,683	17,881
Delta Conveyance	83	-	-	-	-	-
Customer Accounts	1,983	4,551	5,501	4,842	5,704	5,948
Administrative & General	17,112	17,747	16,591	16,834	18,162	17,367
OPEB Advanced Funding	-	-	-	-	-	-
Pension Advanced Funding	5,975	5,506	5,866	5,465	5,016	5,566
Expense Projects	1,344	4,512	4,104	5,439	5,032	5,878
<b>Total Operating Expenses</b>	<b>95,220</b>	<b>105,987</b>	<b>109,449</b>	<b>109,222</b>	<b>112,753</b>	<b>119,047</b>
Capital Projects	17,776	37,687	36,752	25,645	31,819	38,733
Customer Jobs	5,687	3,653	4,348	4,136	4,459	4,459
Debt Service	6,378	5,529	5,479	5,479	6,526	5,965
<b>Total Non-Operating Expenses</b>	<b>29,841</b>	<b>46,869</b>	<b>46,579</b>	<b>35,260</b>	<b>42,803</b>	<b>49,157</b>
<b>Total GF Expenses</b>	<b>125,061</b>	<b>152,856</b>	<b>156,028</b>	<b>144,482</b>	<b>155,557</b>	<b>168,204</b>
<b>Net of Revenues &amp; Expenses</b>	<b>15,274</b>	<b>(3,085)</b>	<b>(5,887)</b>	<b>(2,073)</b>	<b>(7,488)</b>	<b>(11,528)</b>
<b>Debt Proceeds</b>	-	-	<b>9,750</b>	<b>10,000</b>	<b>9,750</b>	-
Reconciling Timing Difference	976	3,211	-	-	-	-
<b>Ending Balance</b>	<b>\$123,822</b>	<b>\$123,948</b>	<b>\$125,983</b>	<b>\$131,876</b>	<b>\$128,245</b>	<b>\$120,347</b>

**ALAMEDA COUNTY WATER DISTRICT  
FACILITIES IMPROVEMENT FUND (FIF)  
REVENUES & EXPENSES  
(\$ in thousands)**

	<b>FY 19/20 Actual Activity</b>	<b>FY 20/21 Actual Activity</b>	<b>FY 21/22 Adopted Budget</b>	<b>FY 21/22 Estimated Actual</b>	<b>FY 22/23 Adopted Budget</b>	<b>FY 22/23 Amended Budget</b>
<b>Beginning Balance</b>	<b>\$63,463</b>	<b>\$70,693</b>	<b>\$67,773</b>	<b>\$71,352</b>	<b>\$64,798</b>	<b>\$70,500</b>
<b>Revenues</b>						
Facilities Connection Charges - FIF	10,068	4,157	1,980	4,163	3,100	1,050
Interest Revenue	1,360	1,307	928	1,358	897	1,306
<b>Total FIF Revenues</b>	<b>11,428</b>	<b>5,463</b>	<b>2,908</b>	<b>5,521</b>	<b>3,997</b>	<b>2,356</b>
<b>Expenses</b>						
Capital Projects	4,199	4,804	5,883	6,374	5,499	7,000
<b>Total FIF Expenses</b>	<b>4,199</b>	<b>4,804</b>	<b>5,883</b>	<b>6,374</b>	<b>5,499</b>	<b>7,000</b>
<b>Net of Revenues &amp; Expenses</b>	<b>7,229</b>	<b>660</b>	<b>(2,975)</b>	<b>(853)</b>	<b>(1,502)</b>	<b>(4,645)</b>
<b>Ending Balance</b>	<b>\$70,693</b>	<b>\$71,352</b>	<b>\$64,798</b>	<b>\$70,500</b>	<b>\$63,296</b>	<b>\$65,855</b>

**ALAMEDA COUNTY WATER DISTRICT**  
**FACILITIES RENEWAL FUND (FRF)**  
**REVENUES & EXPENSES**  
(\$ in thousands)

	FY 19/20 Actual Activity	FY 20/21 Actual Activity	FY 21/22 Adopted Budget	FY 21/22 Estimated Actual	FY 22/23 Adopted Budget	FY 22/23 Amended Budget
<b>Beginning Balance</b>	-	-	-	-	-	-
<b>Revenues</b>						
Facilities Connection Charges - FRF	4,383	2,025	1,020	2,165	1,610	590
Interest Revenue	-	-	-	-	-	-
<b>Total FRF Revenues</b>	<b>4,383</b>	<b>2,025</b>	<b>1,020</b>	<b>2,165</b>	<b>1,610</b>	<b>590</b>
<b>Expenses</b>						
Capital Projects	4,383	2,025	1,020	2,165	1,610	590
<b>Total FRF Expenses</b>	<b>4,383</b>	<b>2,025</b>	<b>1,020</b>	<b>2,165</b>	<b>1,610</b>	<b>590</b>
<b>Net of Revenues &amp; Expenses</b>	-	-	-	-	-	-
<b>Ending Balance</b>	-	-	-	-	-	-

ALAMEDA COUNTY WATER DISTRICT

CHANGES IN FUND BALANCE  
BY FUND  
(\$ in thousands)

	FY 19/20 Actual Activity	FY 20/21 Actual Activity	FY 21/22 Adopted Budget	FY 21/22 Estimated Actual	FY 21/22 Adopted Budget	FY 22/23 Amended Budget
<b>General Fund</b>						
<b>Beginning Balance</b>	<b>\$107,571</b>	<b>\$123,822</b>	<b>\$122,120</b>	<b>\$123,949</b>	<b>\$125,983</b>	<b>\$131,875</b>
Revenues	140,335	149,771	150,140	142,410	148,069	156,676
Expenses	125,061	152,856	156,028	144,482	155,557	168,204
Debt Proceeds	-	-	9,750	10,000	9,750	-
Reconciling Timing Difference	976	3,211	-	-	-	-
<b>General Fund Ending Balance</b>	<b>123,822</b>	<b>123,948</b>	<b>125,983</b>	<b>131,876</b>	<b>128,245</b>	<b>120,347</b>
Change in Fund Balance \$	16,250	126	3,863	7,927	2,262	(11,528)
Change in Fund Balance %	15%	0%	3%	6%	2%	-9%
<b>Facilities Improvement Fund (FIF)</b>						
<b>Beginning Balance</b>	<b>\$63,463</b>	<b>\$70,693</b>	<b>\$67,773</b>	<b>\$71,352</b>	<b>\$64,798</b>	<b>\$70,500</b>
Revenues	11,428	5,463	2,908	5,521	3,997	2,356
Expenses	4,199	4,804	5,883	6,374	5,499	7,000
<b>FIF Ending Balance</b>	<b>70,693</b>	<b>71,352</b>	<b>64,798</b>	<b>70,500</b>	<b>63,296</b>	<b>65,855</b>
Change in Fund Balance \$	7,229	660	(2,975)	(853)	(1,502)	(4,645)
Change in Fund Balance %	11%	1%	-4%	-1%	-2%	-7%
<b>Facilities Renewal Fund (FRF)</b>						
<b>Beginning Balance</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Revenues	4,383	2,025	1,020	2,165	1,610	590
Expenses	4,383	2,025	1,020	2,165	1,610	590
<b>FRF Ending Balance</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Change in Fund Balance \$	-	-	-	-	-	-
Change in Fund Balance %	0%	0%	0%	0%	0%	0%

**ALAMEDA COUNTY WATER DISTRICT**

RESERVES	FY 19/20		FY 20/21		FY 21/22			FY 22/23		
	Actual	Target	Actual	Target	Adopted Budget	Estimated Actual	Target	Adopted Budget	Amended Budget	Target
	(\$ in thousands)									
Debt Service	\$ 2,759	\$ 2,759	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Mgt Retirement Bonus	1,133	1,598	1,157	1,157	1,157	1,079	1,079	1,157	1,079	1,079
Emergency	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Operations & Maint.	28,156	27,924	30,659	30,658	29,868	28,704	28,704	31,314	30,827	30,827
Capital	74,924	14,060	14,499	14,499	76,853	14,499	14,499	76,453	14,499	14,499
Rate Stabilization	6,850	6,199	34,203	7,540	8,105	6,424	6,424	9,321	6,616	6,616
<b>GENERAL FUND</b>	<b>123,822</b>	<b>62,540</b>	<b>90,518</b>	<b>63,854</b>	<b>125,983</b>	<b>60,706</b>	<b>60,706</b>	<b>128,245</b>	<b>63,021</b>	<b>63,021</b>
Capital Sinking Fund			33,431		-	65,710		-	54,182	
Operations Contingency Fund			-		-	5,459		-	3,144	
<b>TOTAL GENERAL FUND</b>	<b>123,822</b>		<b>123,949</b>		<b>125,983</b>	<b>131,875</b>		<b>128,245</b>	<b>120,347</b>	
<b>FACIL. IMPROVEMENT</b>	<b>70,693</b>		<b>71,352</b>		<b>64,798</b>	<b>70,500</b>		<b>63,296</b>	<b>65,855</b>	
<b>FACIL. RENEWAL</b>	<b>-</b>		<b>-</b>		<b>-</b>	<b>-</b>		<b>-</b>	<b>-</b>	

ALAMEDA COUNTY WATER DISTRICT

EXPENSE SUMMARY  
DEPARTMENT  
(\$ in thousands)

	FY 19/20 Actual Activity	FY 20/21 Actual Activity	FY 21/22 Adopted Budget	FY 21/22 Estimated Actual	FY 22/23 Adopted Budget	FY 22/23 Amended Budget
<b>Department</b>						
Board of Directors	\$87	\$77	\$79	\$87	\$92	\$127
General Manager's Office	4,151	3,996	5,244	5,213	5,085	2,893
Engineering & Technology Services	6,070	6,741	6,493	6,567	7,681	7,818
Operations & Maintenance	39,703	40,301	43,647	43,866	45,056	49,463
Water Resources	36,221	41,660	42,399	42,646	42,269	44,576
Finance & Administration	5,205	8,056	9,438	8,482	9,642	12,752
<b>Department Expenses</b>	<b>\$91,437</b>	<b>\$100,830</b>	<b>\$107,300</b>	<b>\$106,860</b>	<b>\$109,825</b>	<b>\$117,629</b>
<b>Non-Department</b>						
District-Wide	28,879	27,931	28,924	27,230	28,912	29,190
Expense Credits	(26,439)	(27,287)	(30,878)	(30,306)	(31,015)	(33,651)
<b>Non-Department Expenses</b>	<b>\$2,440</b>	<b>\$644</b>	<b>(\$1,955)</b>	<b>(\$3,076)</b>	<b>(\$2,104)</b>	<b>(\$4,461)</b>
<b>Total</b>	<b>\$93,876</b>	<b>\$101,475</b>	<b>\$105,345</b>	<b>\$103,784</b>	<b>\$107,721</b>	<b>\$113,168</b>

ALAMEDA COUNTY WATER DISTRICT

EXPENSE SUMMARY  
DEPARTMENT DETAIL  
(\$ in thousands)

	FY 19/20 Actual Activity	FY 20/21 Actual Activity	FY 21/22 Adopted Budget	FY 21/22 Estimated Actual	FY 22/23 Adopted Budget	FY 22/23 Amended Budget
Labor	\$65	\$74	\$65	\$73	\$65	\$100
Materials	23	02	13	13	26	26
Outside Services	-	1	1	1	1	1
<b>Board of Directors</b>	<b>\$87</b>	<b>\$77</b>	<b>\$79</b>	<b>\$87</b>	<b>\$92</b>	<b>\$127</b>
Labor	\$1,625	\$1,835	\$2,393	\$2,373	\$2,207	\$1,220
Materials	1,276	918	1,347	1,340	1,344	306
Outside Services	1,249	1,244	1,504	1,499	1,534	1,367
<b>Office of the General Manager</b>	<b>\$4,151</b>	<b>\$3,996</b>	<b>\$5,244</b>	<b>\$5,213</b>	<b>\$5,085</b>	<b>\$2,893</b>
Funded Staffing Level (FTE)	13.00	13.00	14.00	6.00	14.00	7.00
Labor	\$3,477	\$3,676	\$3,451	\$3,616	\$4,025	\$4,084
Materials	338	405	452	399	459	461
Outside Services	2,255	2,659	2,589	2,552	3,197	3,273
<b>Engineering &amp; Tech Services</b>	<b>\$6,070</b>	<b>\$6,741</b>	<b>\$6,493</b>	<b>\$6,567</b>	<b>\$7,681</b>	<b>\$7,818</b>
Funded Staffing Level (FTE)	41.00	41.00	43.00	43.00	44.00	43.00
Labor	\$14,005	\$14,320	\$14,061	\$15,261	\$14,776	\$15,527
Materials	7,879	8,116	9,543	8,899	9,771	10,545
Outside Services	17,819	17,865	20,042	19,706	20,509	23,392
<b>Operations &amp; Maintenance</b>	<b>\$39,703</b>	<b>\$40,301</b>	<b>\$43,647</b>	<b>\$43,866</b>	<b>\$45,056</b>	<b>\$49,463</b>
Funded Staffing Level (FTE)	117.00	118.00	119.00	119.00	119.00	119.00
Labor	\$3,111	\$3,364	\$3,430	\$3,614	\$3,958	\$4,149
Materials	28,953	34,431	34,257	34,469	33,352	34,344
Outside Services	4,157	3,864	4,712	4,563	4,959	6,083
<b>Water Resources</b>	<b>\$36,221</b>	<b>\$41,660</b>	<b>\$42,399</b>	<b>\$42,646</b>	<b>\$42,269</b>	<b>\$44,576</b>
Funded Staffing Level (FTE)	25.00	26.00	26.00	26.00	27.00	28.00
Labor	\$3,884	\$4,257	\$4,599	\$4,353	\$4,842	\$5,993
Materials	423	433	668	530	680	1,850
Outside Services	898	3,365	4,171	3,599	4,120	4,909
<b>Finance &amp; Administration</b>	<b>\$5,205</b>	<b>\$8,056</b>	<b>\$9,438</b>	<b>\$8,482</b>	<b>\$9,642</b>	<b>\$12,752</b>
Funded Staffing Level (FTE)	37.00	38.00	39.00	47.00	39.00	47.00
<b>Total Department Expenses</b>	<b>\$91,437</b>	<b>\$100,830</b>	<b>\$107,300</b>	<b>\$106,860</b>	<b>\$109,825</b>	<b>\$117,629</b>
<b>Total FTE</b>	<b>233.00</b>	<b>236.00</b>	<b>241.00</b>	<b>241.00</b>	<b>243.00</b>	<b>244.00</b>

## ALAMEDA COUNTY WATER DISTRICT

EXPENSE SUMMARY  
COST CENTER  
(\$ in thousands)

	FY 19/20 Actual Activity	FY 20/21 Actual Activity	FY 21/22 Adopted Budget	FY 21/22 Estimated Actual	FY 22/23 Adopted Budget	FY 22/23 Amended Budget
<b>Expenses</b>						
Source of Supply	\$36,824	\$41,911	\$42,905	\$42,865	\$42,769	\$44,487
Pumping	1,574	1,875	2,495	2,157	2,550	2,626
Water Treatment	15,423	14,800	17,334	16,888	17,839	19,294
Transmission & Distribution	14,903	15,086	14,654	14,733	15,683	17,881
<b>Total O&amp;M Expenses</b>	<b>68,724</b>	<b>73,671</b>	<b>77,388</b>	<b>76,642</b>	<b>78,840</b>	<b>84,288</b>
Delta Conveyance	83	-	-	-	-	-
Customer Accounts	1,983	4,551	5,501	4,842	5,704	5,948
Administrative & General	17,112	17,747	16,591	16,834	18,162	17,367
Pension Advanced Funding	5,975	5,506	5,866	5,465	5,016	5,566
Expense Projects	1,344	4,512	4,104	5,439	5,032	5,878
<b>Total A&amp;G/Exp Proj Expenses</b>	<b>26,496</b>	<b>32,316</b>	<b>32,061</b>	<b>32,580</b>	<b>33,913</b>	<b>34,759</b>
Capital Projects - GF	17,776	37,687	36,752	25,645	31,819	38,733
Capital Projects - FIF	4,199	4,804	5,883	6,374	5,499	7,000
Capital Projects - FRF	4,383	2,025	1,020	2,165	1,610	590
Customer Jobs	5,687	3,653	4,348	4,136	4,459	4,459
Debt Service	6,378	5,529	5,479	5,479	6,526	5,965
<b>Total Non-Operating Expenses</b>	<b>38,423</b>	<b>53,698</b>	<b>53,481</b>	<b>43,799</b>	<b>49,912</b>	<b>56,747</b>
<b>Total Expenses</b>	<b>\$133,643</b>	<b>\$159,685</b>	<b>\$162,931</b>	<b>\$153,021</b>	<b>\$162,665</b>	<b>\$175,794</b>

**ALAMEDA COUNTY WATER DISTRICT**

**EXPENSE SUMMARY  
COST ELEMENT  
(\$ in thousands)**

	<b>FY 19/20 Actual Activity</b>	<b>FY 20/21 Actual Activity</b>	<b>FY 21/22 Adopted Budget</b>	<b>FY 21/22 Estimated Actual</b>	<b>FY 22/23 Adopted Budget</b>	<b>FY 22/23 Amended Budget</b>
<b>Labor</b>						
Operating	\$26,352	\$28,088	\$28,010	\$29,851	\$29,883	\$31,634
Capital	2,874	2,742	3,323	3,323	2,503	2,503
Customer Jobs	960	948	1,125	1,125	1,166	1,166
<b>Total Labor</b>	<b>30,186</b>	<b>31,777</b>	<b>32,458</b>	<b>34,299</b>	<b>33,551</b>	<b>35,302</b>
<b>Purchased Water</b>	28,349	34,087	33,264	34,144	31,819	33,581
<b>Employee Benefits</b>	27,409	27,048	28,686	26,976	28,046	28,277
<b>Other Expenses</b>						
Operating	13,110	16,765	19,490	18,251	23,005	25,555
Capital	23,484	41,773	40,331	30,861	36,425	43,821
Customer Jobs	4,727	2,705	3,224	3,011	3,293	3,293
<b>Total Other Expense</b>	<b>41,321</b>	<b>61,243</b>	<b>63,045</b>	<b>52,124</b>	<b>62,723</b>	<b>72,669</b>
<b>Debt Service</b>	6,378	5,529	5,479	5,479	6,526	5,965
<b>Total Expenses</b>	<b>\$133,642</b>	<b>\$159,685</b>	<b>\$162,931</b>	<b>\$153,021</b>	<b>\$162,665</b>	<b>\$175,794</b>

ALAMEDA COUNTY WATER DISTRICT

REVENUES  
DETAIL  
(\$ in thousands)

	FY 19/20 Actual Activity	FY 20/21 Actual Activity	FY 21/22 Adopted Budget	FY 21/22 Estimated Actual	FY 22/23 Adopted Budget	FY 22/23 Amended Budget
<b>Water Revenue</b>	\$113,751	\$121,339	\$120,600	\$113,125	\$126,384	\$113,828
Stage Rate Water Revenue	-	-	-	2,820	-	11,281
Ground Water Revenue	539	499	579	539	588	577
1% Tax Allocation	6,884	6,953	7,360	7,363	7,610	7,613
State Water Contract Tax	5,595	5,581	6,090	6,090	5,924	5,924
Interest Revenue	3,699	3,638	2,665	3,808	2,676	3,721
Facilities Connection Charges - FIF	10,068	4,157	1,980	4,163	3,100	1,050
Facilities Connection Charges - FRF	4,383	2,025	1,020	2,165	1,610	590
<b>Customer Jobs Revenue</b>	3,272	1,439	940	2,480	1,230	5,090
Grants, Reimbursements	6,640	10,207	11,628	6,521	3,329	8,744
<b>Other Revenue</b>						
Fire Flow Testing	21	17	24	13	24	23
Lease of Property	311	323	338	338	355	355
Scrap Sales	14	24	16	23	16	23
Sales of Fixed Assets	69	140	57	39	57	39
Licenses and Permits	119	125	140	121	140	126
Misc Revenues	714	724	561	406	561	557
Residential Service Line Insurance	69	70	72	82	72	82
<b>Total Other Revenue</b>	<b>1,317</b>	<b>1,423</b>	<b>1,208</b>	<b>1,022</b>	<b>1,225</b>	<b>1,205</b>
<b>Total Revenues</b>	<b>\$156,147</b>	<b>\$157,260</b>	<b>\$154,068</b>	<b>\$150,096</b>	<b>\$153,676</b>	<b>\$159,622</b>

**ALAMEDA COUNTY WATER DISTRICT**

**GRANTS & REIMBURSEMENTS**

**DETAIL**

(\$ in thousands)

	<b>FY 19/20 Actual Activity</b>	<b>FY 20/21 Actual Activity</b>	<b>FY 21/22 Estimated Actual</b>	<b>FY 22/23 Amended Budget</b>	<b>Total</b>
<b>Grants</b>					
ACFCD for RD1/Drop Struct. Fish ladder	\$2,138	\$4,494	\$2,633	\$3,329	\$12,594
CA WCB for Rubber Dam Fish Ladder No. 1	1,106	3,405	534	536	5,581
CDFW Restoration Grant for RD1 and Shinn Screens	1,891	1,670	1,440	-	5,000
IRWMP Prop 1 Grant for RD1 System Fish Passage Improvements	-	-	-	3,347	3,347
CNRA URG for RD3	435	-	-	-	435
Oliver de Silva Inc	1,000	-	1,000	-	2,000
USBR WaterSmart for AMI	-	-	-	1,500	1,500
Coastal Conservancy Prop 1 for RD3	25	-	41	-	66
SWRCB - Niles Cone Groundwater Basin Extraction Well Site Evaluation Project	-	16	572	32	620
DWR- Alternative Update & Model Upgrade for Niles Cone	-	276	224	-	500
State Water Resources Control Board for GW Sustain. Prog. (Old Jarvis)	5	65	77	-	146
SFPUC/USD Cost Share	-	139	-	-	139
Avalon Tank CalOES/FEMA	-	128	-	-	128
StopWaste Conservation Grant RD 3	33	-	-	-	33
Solano County Conservation Grant RD 2	9	12	-	-	21
<b>Total</b>	<b>\$6,641</b>	<b>\$10,206</b>	<b>\$6,521</b>	<b>\$8,744</b>	<b>\$32,112</b>

ALAMEDA COUNTY WATER DISTRICT

OPERATING EXPENSES  
SUMMARY  
(\$ in thousands)

	FY 19/20 Actual Activity	FY 20/21 Actual Activity	FY 21/22 Adopted Budget	FY 21/22 Estimated Actual	FY 22/23 Adopted Budget	FY 22/23 Amended Budget
<b>Operating Expenses</b>						
Source of Supply	\$36,824	\$41,911	\$42,905	\$42,865	\$42,769	\$44,487
Pumping	1,574	1,875	2,495	2,157	2,550	2,626
Water Treatment	15,423	14,800	17,334	16,888	17,839	19,294
Transmission & Distribution	14,903	15,086	14,654	14,733	15,683	17,881
<b>Total O&amp;M Expenses</b>	<b>68,724</b>	<b>73,671</b>	<b>77,388</b>	<b>76,642</b>	<b>78,840</b>	<b>84,288</b>
Delta Conveyance	83	-	-	-	-	-
Customer Accounts	1,983	4,551	5,501	4,842	5,704	5,948
Administrative and General	17,112	17,747	16,591	16,834	18,162	17,367
Pension Advanced Funding	5,975	5,506	5,866	5,465	5,016	5,566
Expense Projects	1,344	4,512	4,104	5,439	5,032	5,878
<b>Total A&amp;G/Exp Proj Expenses</b>	<b>26,496</b>	<b>32,316</b>	<b>32,061</b>	<b>32,580</b>	<b>33,913</b>	<b>34,759</b>
<b>Total Operating Expenses</b>	<b>\$95,220</b>	<b>\$105,987</b>	<b>\$109,449</b>	<b>\$109,222</b>	<b>\$112,753</b>	<b>\$119,047</b>

**ALAMEDA COUNTY WATER DISTRICT**  
**OPERATING EXPENSES**  
**OPERATIONS & MAINTENANCE (O&M) DETAIL**  
(\$ in thousands)

Reporting Group	Description	FY 19/20 Actual Activity	FY 20/21 Actual Activity	FY 21/22 Adopted Budget	FY 21/22 Estimated Actual	FY 22/23 Adopted Budget	FY 22/23 Amended Budget
<b>Source of Supply</b>							
8111	Oper & Planning of Supply System	\$2,553	\$2,596	\$2,829	\$3,153	\$2,978	\$3,620
8113	Operations of Takeoffs	06	04	18	04	19	08
8114	Ground Water Resources	3,134	2,798	3,692	2,946	4,768	4,139
8121	Maint of Recharge Facilities	492	363	743	626	759	709
8122	Maintenance of Wells	1,800	1,827	2,217	1,870	2,274	2,279
8123	Maint of Take Offs	79	42	138	120	146	149
8124	Maint of Replenishment Meters	0	5	4	2	5	3
8131	Purchased Water - SWP	9,451	9,938	10,755	10,451	10,463	11,198
8132	Purchased Water - SF Water	17,527	20,783	18,567	19,219	19,061	18,151
8133	Purchased Water - Semitropic	1,371	3,366	3,942	4,474	2,295	4,232
8134	Purchased Water-Other	413	189	-	-	-	-
<b>Total Source of Supply</b>		<b>36,824</b>	<b>41,911</b>	<b>42,905</b>	<b>42,865</b>	<b>42,769</b>	<b>44,487</b>
<b>Pumping</b>							
8211	Operation of Prod Wells	17	14	24	14	25	23
8212	Operation of Booster Pumps	15	31	14	21	14	25
8214	Operation of Desal Supply	0	-	17	05	18	07
8223	Maintenance of Booster Pumps	1,124	1,385	1,661	1,621	1,704	1,879
8224	Maintenance of SCADA System	418	445	779	497	788	692
<b>Total Pumping</b>		<b>1,574</b>	<b>1,875</b>	<b>2,495</b>	<b>2,157</b>	<b>2,550</b>	<b>2,626</b>
<b>Water Treatment</b>							
8311	Operation of Blending Facility	947	665	800	691	802	838
8313	Oper of Water Treatment Plant #1	70	37	115	47	119	57
8314	Oper of Water Treatment Plant #2	5,221	5,556	6,033	6,270	6,345	7,300
8315	Operation of Desalination Facility	919	970	1,124	1,124	1,175	1,464
8318	Operations Tech Support	1,234	1,212	1,401	1,173	1,393	1,401
8321	Maintenance of Blending Facility	664	425	693	591	711	658
8323	Maint of Water Treatment Plant #1	144	143	225	168	232	195
8324	Maint of Water Treatment Plant #2	2,120	1,830	2,192	2,226	2,222	2,393
8325	Maintenance of Desalination Plant	1,232	1,314	1,462	1,311	1,523	1,582
8330	Laboratory Services	2,871	2,649	3,290	3,287	3,319	3,406
<b>Total Water Treatment</b>		<b>15,423</b>	<b>14,800</b>	<b>17,334</b>	<b>16,888</b>	<b>17,839</b>	<b>19,294</b>
<b>Transmission &amp; Distribution</b>							
8411	Engineering of Distrib System	1,780	1,780	1,280	1,358	2,005	1,757
8412	Operation of Distrib System	2,721	2,912	2,930	2,593	2,996	3,191
8421	Maintenance of Reservoirs	1,058	804	1,009	898	1,028	1,085
8422	Maintenance of Mains	2,269	2,608	2,579	2,827	2,792	3,247
8423	Maintenance of Cathodic Stations	13	04	25	13	25	18
8424	Maintenance of Service Lines	1,505	1,510	1,278	1,565	1,299	1,762
8425	Maintenance of Meters	913	788	797	738	807	966
8426	Maintenance of Fire Hydrants	295	203	210	280	219	351
8427	Maintenance of Backflow Preventers	675	639	518	519	525	688
8428	Maintenance of Distribution System	1,934	2,151	2,178	2,229	2,197	2,860
8429	Maintenance - Facilities Engineering	1,545	1,516	1,560	1,453	1,497	1,680
8450	Maintenance of Regulator Stations	195	172	291	261	293	277
<b>Total Transmission &amp; Distribution</b>		<b>14,903</b>	<b>15,086</b>	<b>14,654</b>	<b>14,733</b>	<b>15,683</b>	<b>17,881</b>
<b>Total Operations and Maintenance</b>		<b>\$68,724</b>	<b>\$73,671</b>	<b>\$77,388</b>	<b>\$76,642</b>	<b>\$78,840</b>	<b>\$84,288</b>

**ALAMEDA COUNTY WATER DISTRICT**  
**OPERATING EXPENSES**  
**ADMINISTRATIVE & GENERAL (A&G) DETAIL**  
(\$ in thousands)

Description	FY 19/20 Actual Activity	FY 20/21 Actual Activity	FY 21/22 Adopted Budget	FY 21/22 Estimated Actual	FY 22/23 Adopted Budget	FY 22/23 Amended Budget
Salaries	\$6,930	\$8,008	\$7,260	\$7,669	\$7,944	\$8,508
Other Pay (Vacation, Holiday, Sick Leave, etc.)	5,826	5,741	5,502	6,741	5,588	5,570
Employees' Retirement and Benefits	16,966	17,539	18,782	17,395	18,986	18,575
Property and Liability Insurance	897	691	853	875	879	950
Election Expense	-	625	-	-	625	625
Education & Training	103	81	314	228	323	320
Travel, Subscriptions, & Dues	278	223	322	310	399	408
Office Supplies	105	86	157	145	158	177
Postage & Shipping Services	214	176	246	196	248	248
Telephone	125	100	100	100	100	100
Small Tools/Supplies	222	222	184	174	183	206
Legal Services	880	894	808	900	808	900
Professional Services	633	865	1,151	1,130	1,045	1,395
OPEB	3,251	2,486	2,573	2,651	2,635	2,726
OPEB Advanced Funding	1,217	1,518	1,465	1,465	1,410	1,410
Pension Advanced Funding	5,975	5,506	5,866	5,465	5,016	5,566
Information Technology	1,136	1,686	1,844	1,831	1,933	2,115
Security & Emergency Services	524	872	1,256	1,256	1,381	1,612
Public Information/Conservation	600	626	1,509	1,043	1,387	1,985
Equipment/Auto Maintenance	790	854	994	994	996	1,045
Property Maintenance	975	1,186	1,347	1,281	1,368	1,329
Other A&G	1,881	2,075	2,266	2,222	2,197	2,223
AMI Budget Savings	-	-	-	-	-	-
<b>Total A&amp;G Before Expense Transfers</b>	<b>49,526</b>	<b>52,057</b>	<b>54,799</b>	<b>54,070</b>	<b>55,603</b>	<b>57,994</b>
Expense Transfer - Equipment	(1,163)	(1,099)	(693)	(703)	(707)	(725)
Expense Transfer - Overhead	(25,276)	(26,188)	(30,185)	(29,603)	(30,308)	(32,926)
<b>Total Expense Transfer</b>	<b>(26,439)</b>	<b>(27,287)</b>	<b>(30,878)</b>	<b>(30,306)</b>	<b>(31,016)</b>	<b>(33,651)</b>
<b>Net A&amp;G After Expense Transfers</b>	<b>\$23,087</b>	<b>\$24,770</b>	<b>\$23,921</b>	<b>\$23,763</b>	<b>\$24,587</b>	<b>\$24,343</b>

## ALAMEDA COUNTY WATER DISTRICT

 OPERATING EXPENSES  
 EXPENSE PROJECTS DETAIL  
 (\$ in thousands)

Description	FY 19/20 Actual Activity	FY 20/21 Actual Activity	FY 21/22 Adopted Budget	FY 21/22 Estimated Actual	FY 22/23 Adopted Budget	FY 22/23 Amended Budget
2019 Joint Purified Water Feasibility Evaluation	\$198	\$167	\$127	\$253	-	-
Alternative Update and Model	-	646	-	924	-	315
BARR DCP Study	5	18	-	9	-	-
Blending Facility PFAS Voluntary Monitoring Program	-	-	93	93	93	93
Business Continuity Plan	-	68	-	-	-	-
Cathodic Protect Improvements	-	13	-	9	-	-
Clean Energy Plan Review/Implementation	319	361	-	-	-	-
CMMS Software Implementation	-	26	-	23	-	-
COVID-19 Prevention Activities	211	75	-	18	-	-
Desal Supply Well Pilot Study	67	167	84	227	-	-
District Security Review	76	145	150	-	-	-
Drought Expenses	-	-	-	322	-	-
Echologics Leak Detection/Surv	-	73	-	-	-	-
Evaluation of System and Facilities	-	73	-	166	-	-
Eng Dept - Capital Equipment and Materials	9	3	-	-	-	-
Engineering Report for CIP	-	37	-	17	-	135
Environmental Monitoring	5	19	-	-	-	-
Facility Arc Flash Calculation	-	136	-	312	-	60
Facility Division Asset Management Master Plan	-	-	95	-	75	225
Groundwater Basin Flow Model Alternative Update	84	-	-	-	-	-
Headquarters Improvements	16	14	-	17	-	-
Integrated Resources Planning	-	-	213	150	277	277
IT Enterprise Software Upgrades - Cityworks	-	33	50	51	-	20
IT Enterprise Software Upgrades - JD Edwards	-	360	-	30	100	100
IT Enterprise Software Upgrades - Microsoft	-	65	-	20	-	-
Jarvis Rd Well Destruction	23	220	-	205	-	-
Los Vaqueros Reservoir Expansion Project	161	652	2,500	900	4,000	1,543
Main Repair 16" HDPE Cherry	-	-	-	34	-	-
Niles Canyon Stroll & Roll	5	-	-	-	-	-
Niles Cone Groundwater Basin	20	-	-	-	-	-
Patterson Reservoir Remediation	-	57	-	21	-	89
PFAS Regulatory Monitoring	1	56	-	13	-	-
PFAS treatment study (EE)	-	1	371	940	81	1,202
PID/Fire Mutual Assistance	2	6	-	-	-	-
Pit T-2 Slope Rehabilitation	-	15	-	-	-	-
Rehab of Mowry 9	-	49	-	-	-	-
RD1 Fishway & Shinn FS Database	-	-	-	76	-	-
Sample Master Software	-	-	-	10	-	-
SCADA Replacement Project	-	762	-	500	-	920
School lead testing	10	-	13	-	-	-
Service Lines Lead Evaluation	-	36	-	31	-	31
Vehicle Capital - Leased Vehicle	-	-	-	10	-	172
Water Efficiency Master Plan	111	47	-	8	-	-
Water Quality Extraordinary Expenses	-	59	407	-	407	407
WRF Manganese BioFiltration	20	-	-	-	-	-
WTP2 Process Basin Concrete Gr	-	53	-	50	-	291
WTP2 Filter Media Replacement	-	-	-	-	-	-
<b>Total Expense Projects</b>	<b>\$1,344</b>	<b>\$4,512</b>	<b>\$4,104</b>	<b>\$5,439</b>	<b>\$5,032</b>	<b>\$5,878</b>

**ALAMEDA COUNTY WATER DISTRICT**

**CAPITAL PROJECTS  
SUMMARY  
(\$ in thousands)**

	FY 19/20 Actual Expense				FY 20/21 Actual Expense			
	Total	GF	FIF	FRF	Total	GF	FIF	FRF
Distribution System	\$9,765	\$4,282	\$1,100	\$4,383	\$21,877	\$19,141	\$711	\$2,025
Ground Water	14,476	11,583	2,894	-	20,458	16,366	4,092	-
Vehicle	666	666	-	-	407	407	-	-
Headquarters Facility	424	424	-	-	1,399	1,399	-	-
Engineering	546	351	195	-	88	88	-	-
Operations	480	470	10	-	287	286	1	-
<b>Total Capital Projects</b>	<b>\$26,359</b>	<b>\$17,776</b>	<b>\$4,199</b>	<b>\$4,383</b>	<b>\$44,515</b>	<b>\$37,687</b>	<b>\$4,804</b>	<b>\$2,025</b>
Customer Jobs	5,687	5,687			3,653	3,653		
Extraordinary Expense	1,344				4,512			
<b>Grand Total Capital Program</b>	<b>\$33,390</b>				<b>\$52,681</b>			

**CAPITAL PROJECTS  
SUMMARY  
(\$ in thousands)**

	FY 21/22	FY 21/22 Estimated Actual				FY 22/23	FY 22/23 Amended Budget			
	Adopted Budget	Total	GF	FIF	FRF	Adopted Budget	Total	GF	FIF	FRF
Distribution System	\$20,065	\$15,509	\$10,403	\$2,941	\$2,165	\$28,864	\$35,382	\$29,329	\$5,462	\$590
Ground Water	14,076	16,844	13,504	3,340	-	6,043	1,741	1,428	313	-
Vehicle	1,359	655	655	-	-	1,075	1,377	1,377	-	-
Headquarters Facility	345	25	25	-	-	125	495	495	-	-
Engineering	730	260	203	57	-	860	1,195	1,128	68	-
Operations	7,081	891	856	36	-	1,961	6,134	4,975	1,158	-
<b>Total Capital Projects</b>	<b>\$43,656</b>	<b>\$34,184</b>	<b>\$25,645</b>	<b>\$6,374</b>	<b>\$2,165</b>	<b>\$38,928</b>	<b>\$46,324</b>	<b>\$38,733</b>	<b>\$7,000</b>	<b>\$590</b>
Customer Jobs	4,348	4,136	4,136			4,459	4,459	4,459		
Extraordinary Expense	4,104	5,439				5,032	5,878			
<b>Grand Total Capital Program</b>	<b>\$52,108</b>	<b>\$43,759</b>				<b>\$48,419</b>	<b>\$56,661</b>			

## ALAMEDA COUNTY WATER DISTRICT

CAPITAL PROJECTS  
DISTRIBUTION SYSTEM  
(\$ in thousands)

CIP No	Description	FY 19/20 Actual Activity	FY 20/21 Actual Activity	FY 21/22 Adopted Budget	FY 21/22 Estimated Actual	FY 22/23 Adopted Budget	FY 22/23 Amended Budget
BB0101B	Canyon Heights Booster Station Upgrade/Replacement	\$178	\$1,059	\$481	\$360	-	-
BB0602B	Seven Hills Booster Station Study and Upgrade	-	-	50	-	50	-
BB1501	PR-1 Booster Station	30	5	-	-	-	-
EE0201B	Engineering Report for CIP	215	-	100	-	50	-
MD0110B	Zone Valve Relocation - Warm Springs	-	-	32	-	27	-
MM4011	East West Connector Project	-	-	-	-	-	5
MM4012	ACFC Crossings	7	27	49	28	-	-
MM8007	Main Renewal - MR1 Driscoll	676	404	100	275	100	3,878
MM8008	Main Renewal - MR3 Central Newark	336	411	100	40	200	200
MM8006	Alvarado Niles Pipeline Seismic Improvement Project	1,111	11,900	1,000	2,000	138	138
MN0101B	Cathodic Protection Improvements and Additions	9	-	212	-	465	465
PJ0110	MSJWTP - Replace Diesel Generator and Cooling System	151	-	-	-	-	-
SR0650	Patterson Reservoir Remediation Project	34	-	50	-	89	-
ST0251B	Canyon Heights Tank Improvements	1,513	96	-	-	-	-
ST0551B	MSJ Tank Improvements	8	30	323	18	500	224
MD0203	Water Meter Replacements - Small Meters	-	-	26	26	26	26
BB0203B	Curtner Road Booster Station Upgrade	131	473	200	500	1,000	4,276
BB1351B	Avalon Heights Booster Improvements and Equipment Replacements	-	-	40	-	-	40
EE0601	Hazard Mitigation and Emergency Response Strategic Planning	185	-	-	-	-	-
GA5005	Desal Production Well Equipment Replacement	30	33	66	88	66	44
MD0101	Service Line Emergency Replacement Program	1,403	1,225	1,900	1,400	1,900	1,400
MD0102	Service Line Incidental Replacement Program	139	140	168	168	168	168
MD6005	Advanced Metering Infrastructure	845	2,091	10,345	5,175	15,609	13,779
MD0111	Service Lines - Lead Evaluation	144	-	31	-	31	-
MD0201	Water Meter Replacement Program - Large Meters	202	113	20	65	20	20
MD0202	Water Meter Replacement Program - Medium Meters	60	-	5	5	5	5
MD5001B	Distribution System Large Valve Replacement Program	164	120	35	35	35	35
MU5002	Regulator Site Improvements and Equipment Replacements	2	125	15	2	15	28
PF0201	Durham Take-off Improvements	-	1	-	-	-	-
PH0151B	PT Blending Facility Improvements and Equipment Replacements	43	28	45	50	45	40
MD6004	Meter Test Bench Upgrades	-	-	190	209	60	60
PH0251B	Desal Facility Improvements / Equipment Replacements	146	58	55	69	55	41
PH0252B	Membranes for Desal Facility	83	-	-	-	-	-

## ALAMEDA COUNTY WATER DISTRICT

CAPITAL PROJECTS  
DISTRIBUTION SYSTEM  
(\$ in thousands)

CIP No	Description	FY 19/20 Actual Activity	FY 20/21 Actual Activity	FY 21/22 Adopted Budget	FY 21/22 Estimated Actual	FY 22/23 Adopted Budget	FY 22/23 Amended Budget
PJ0251C	WTP No.2 Improvements and Equipment Replacements	162	776	168	97	108	179
PW0351B	Mowry and PT Wellfields - Replacement Pumping Equipment	174	189	56	-	56	112
PW5001B	Wellfield General Improvements and Equipment Replacements	91	-	40	10	40	70
MU0101B	FR1 Upgrade	-	-	-	-	358	-
YI0102B	Distribution PLC Upgrade	61	200	200	150	529	579
YI0103B	Watershed SCADA additions to Distribution SCADA	-	-	27	-	27	27
SR0601	Patterson Reservoir Roof Replacement	-	-	-	-	312	112
BB0851	Washington Booster Improvements (Phase 1 and 2)	-	-	84	20	281	281
EE0202	Desal Reliability Project	-	-	-	-	-	27
EE0501	CIP Planning/Facility Assessments	1	-	-	-	-	-
PJ0150	MSJWTP Improvements & Equipment Replacements	-	-	50	-	15	65
YI0106	Desal PLC Upgrade Project	-	-	-	-	272	13
ST0752	Avalon Tank Slope Stabilization Improvements	217	236	1,319	200	1,000	2,261
SR8001B	BF Tank and Reservoir Seismic Upgrades (Appian)	-	-	-	-	50	-
PJ0154	MSJWTP Property Improvements	-	-	250	-	-	425
BB1602	B16 WTP2 Zone 3 Booster Discharge Pipeline Replacement	-	12	177	56	-	21
BB5001	Booster Stations- Facility Improvements / Equipment Replacement	116	62	45	54	45	36
MD0112	Distribution Leak Detection System	-	-	132	132	132	132
MD5001	Distribution System Large Valve Replacement Program	-	-	72	55	72	72
MM8011	Main Renewal - Small Diameter Pipeline Renewal	1,056	1,799	100	3,200	100	100
MM8012	Main Renewal - Lindsey Tract	-	4	150	110	500	430
MU0501B	Dry Creek Regulator Upgrade	-	-	43	-	-	-
PH0154B	Blending Facility Low Flow Control Modifications/Neat Feed	22	119	234	110	308	433
PJ0208B	WTP2 Process Basin Concrete Grouting	-	-	344	-	291	-
SR0101	Alameda Reservoir Roof Replacement	6	53	382	382	3,000	4,514
SR0201	Decoto Reservoir Roof Replacement	10	49	259	180	358	359
SR0251	Decoto - Lining/Structural/Mechanical/WQ Improvements	1	(1)	-	-	-	-
SR0403	Mayhew Reservoir Control Valve Vault	-	-	40	-	100	-
SR5001	Reservoir- Facility Improvements/ Equipment Replacement	1	38	25	41	24	9
ST5001	Tanks- Facility Improvements/ Equipment Replacement	-	-	20	-	24	45
YI0204	Clean Energy Implementations	-	-	8	200	-	207
YI0204a	Clean Energy - Implementation of PPA	-	-	203	-	206	-
<b>Total</b>		<b>\$9,765</b>	<b>\$21,877</b>	<b>\$20,065</b>	<b>\$15,509</b>	<b>\$28,864</b>	<b>\$35,382</b>

## ALAMEDA COUNTY WATER DISTRICT

CAPITAL PROJECTS  
GROUND WATER  
(\$ in thousands)

CIP No	Description	FY 19/20 Actual Activity	FY 20/21 Actual Activity	FY 21/22 Adopted Budget	FY 21/22 Estimated Actual	FY 22/23 Adopted Budget	FY 22/23 Amended Budget
GG0302B	Kaiser Pond Diversion Improvement Project	\$93	\$43	\$20	\$5	\$22	\$238
GG0305	Pit T-2 Slope Rehabilitation	4	-	-	-	-	-
GG0501	Vallecitos Channel Betterments	162	699	-	2,089	-	33
GG1301B	Shinn Pond Fish Screen	4,389	4,419	4,228	4,500	-	-
GG4103B	Rubber Dam 1 - Fish Ladder	8,703	13,682	5,935	7,400	-	-
GG4103B2	Rubber Dam 1 - Fish Ladder Miscellaneous Safety Modifications	-	-	-	-	-	75
GG4302B	Rubber Dam No. 3 Fabric Replacement	53	-	76	70	-	-
GG4303B	Rubber Dam No. 3 Fish Ladder	121	40	13	50	-	-
GA0901	New Aquifer Reclamation Program Well	40	126	10	5	10	100
GG0601B	Monitoring Well Construction Project	-	-	27	-	354	354
GG5001	GW Supply Facilities Improv/Equip Replacements	1	-	40	-	40	40
GG5004	Old Jarvis Road Irrigation Well Destruction Grant Project	-	-	160	-	-	-
GG7001	G-G 70.01 Groundwater Basin Flow Model (Upgrade)	-	-	579	-	-	-
GA5004	Montecito Well Site Demolition	1	-	-	-	-	-
GG4101B	Rubber Dam No. 1 - Fabric Replace, Ctrl Bldg & Equip Mod	910	1,403	1,247	1,100	-	-
GG4203	BF Rubber Dam No. 2 Larinier Fishway	-	-	-	-	481	181
GA1001	Niles Cone Groundwater Basin Extraction Well Site Evaluation	-	47	1,169	1,469	-	78
GA5007	Brackish Groundwater Reclamation Project- Desal Replacement	-	-	80	13	2,879	148
GG4303B2	Fish Passage Facility Grating Assessment	-	-	99	-	99	99
GG5006	Fisheries SCADA integration	-	-	75	-	-	-
GG5007	Groundwater PFAs Sampling and Source Investigation	-	-	150	143	150	150
GG5008	Groundwater SGMA Enhancement	-	-	102	-	102	102
GW0160	Mowry Deep Aquifer Secondary Well	-	-	-	-	-	131
YI0104	H02 - Foundation Fieldbus Replacement	-	-	-	-	134	13
<b>Total</b>		<b>\$14,476</b>	<b>\$20,458</b>	<b>\$14,076</b>	<b>\$16,844</b>	<b>\$6,043</b>	<b>\$1,741</b>

**ALAMEDA COUNTY WATER DISTRICT**

**CAPITAL PROJECTS  
VEHICLE  
(\$ in thousands)**

<b>CIP No</b>	<b>Description</b>	<b>FY 19/20 Actual Activity</b>	<b>FY 20/21 Actual Activity</b>	<b>FY 21/22 Adopted Budget</b>	<b>FY 21/22 Estimated Actual</b>	<b>FY 22/23 Adopted Budget</b>	<b>FY 22/23 Amended Budget</b>
AV0101	Vehicle Capital - Air Quality Reg'd Equip Upgrades	\$106	\$ -	\$ -	\$ -	\$ -	\$ -
AV0102	Vehicle Capital - Light Duty Vehicles	278	149	414	142	105	-
AV0104	Vehicle Capital - Heavy -Duty Vehicles	151	36	375	125	-	385
AV0152	Equipment and Tools - Distribution Maintenance	-	-	60	60	60	60
AV0153	Equipment and Tools - Facilities Maintenance	-	-	-	-	-	20
AV0154	Equipment and Tools - General Facilities	-	-	10	8	10	12
AV0103	Vehicle Capital - Construction Equipment and Machinery	132	223	500	320	900	900
<b>Total</b>		<b>\$666</b>	<b>\$407</b>	<b>\$1,359</b>	<b>\$655</b>	<b>\$1,075</b>	<b>\$1,377</b>

**ALAMEDA COUNTY WATER DISTRICT**

**CAPITAL PROJECTS  
HEADQUARTERS FACILITY  
(\$ in thousands)**

<b>CIP No</b>	<b>Description</b>	<b>FY 19/20 Actual Activity</b>	<b>FY 20/21 Actual Activity</b>	<b>FY 21/22 Adopted Budget</b>	<b>FY 21/22 Estimated Actual</b>	<b>FY 22/23 Adopted Budget</b>	<b>FY 22/23 Amended Budget</b>
AQ0110	Board Room Audio-Visual Upgrades	\$214	\$19	\$75	\$25	\$25	\$125
AQ0151C	Headquarters Facility Improvement/ Equipment Replacement	211	111	270	-	100	370
AQ0152	Headquarter Facility- Reroof Building Office Complex and Garage	-	1,269	-	-	-	-
<b>Total</b>		<b>\$424</b>	<b>\$1,399</b>	<b>\$345</b>	<b>\$25</b>	<b>\$125</b>	<b>\$495</b>

**ALAMEDA COUNTY WATER DISTRICT**

**CAPITAL PROJECTS  
ENGINEERING  
(\$ in thousands)**

<b>CIP No</b>	<b>Description</b>	<b>FY 19/20 Actual Activity</b>	<b>FY 20/21 Actual Activity</b>	<b>FY 21/22 Adopted Budget</b>	<b>FY 21/22 Estimated Actual</b>	<b>FY 22/23 Adopted Budget</b>	<b>FY 22/23 Amended Budget</b>
AK0103	IT Custom Applications-DCJETS Replacement and Upgrades	\$185	-	\$77	\$45	-	-
AK0104B	IT - Cityworks for Groundwater Permits	34	-	95	40	-	25
AK0109	IT Infrastructure Upgrades - Capital	92	68	225	150	250	325
AK0110	IT Records Management Project	90	19	225	25	125	125
AK0251	Engineering Department - Capital Equipment and Materials	-	-	33	-	5	5
AK0165	IT Enterprise Software Upgrades - MS Office, SharePoint, Exchange	144	-	-	-	-	-
YI0603	Electrical Redundancy & Reliability for IT Systems	-	-	-	-	78	13
MD0104	Distribution System Seismic Study Update	-	-	74	-	402	402
MD0104a	Asbestos Cement Pipe Assessment Update	-	-	-	-	-	300
<b>Total</b>		<b>\$546</b>	<b>\$88</b>	<b>\$730</b>	<b>\$260</b>	<b>\$860</b>	<b>\$1,195</b>

**ALAMEDA COUNTY WATER DISTRICT**

**CAPITAL PROJECTS  
OPERATIONS  
(\$ in thousands)**

<b>CIP No</b>	<b>Description</b>	<b>FY 19/20 Actual Activity</b>	<b>FY 20/21 Actual Activity</b>	<b>FY 21/22 Adopted Budget</b>	<b>FY 21/22 Estimated Actual</b>	<b>FY 22/23 Adopted Budget</b>	<b>FY 22/23 Amended Budget</b>
AK0104	Citywork Interface DMD	-	-	\$50	\$35	-	\$15
AK0365	Facilities Maintenance Shop	-	-	165	-	165	330
GA5006	Desal Supply Well Pilot Study	15	-	-	-	-	-
PH0155	Re-pipe Blending Facility S-1 sample line	-	-	3	-	-	3
YI0101	SCADA Systems Software Replacements	73	-	701	-	920	-
YI0101B	SCADA Systems Infrastructure Upgrades	122	230	227	130	100	197
YI0502B	Communications Projects - Production and Storage	261	44	-	9	60	50
YI0601	Facility Arc Flash Calculation and Labeling	-	-	360	-	-	-
YI5002B	Avalon System Fiber Optic Systems Upgrades	-	-	-	-	20	20
YI5004	Physical Security Upgrades at Critical District Facilities	8	-	-	-	-	-
AV0153	Equipment and Tools - Facilities Maintenance	-	-	10	-	10	-
EE0202	Desal Reliability Project	-	-	27	-	-	-
GG9903	Watershed preservation and protection	-	-	5,000	-	-	-
PH0108a	PFAS treatment (CIP)	-	-	-	-	134	4,789
PW0302	PFAS related wellfield or distribution system modifications (CIP)	-	-	-	-	13	13
PJ0262	WTP2 Filter Media Replacement	-	12	538	717	538	717
<b>Total</b>		<b>\$480</b>	<b>\$287</b>	<b>\$7,081</b>	<b>\$891</b>	<b>\$1,961</b>	<b>\$6,134</b>

**ALAMEDA COUNTY WATER DISTRICT**

**CAPITAL PROJECTS  
CUSTOMER JOBS  
(\$ in thousands)**

<b>CIP No</b>	<b>Description</b>	<b>FY 19/20 Actual Activity</b>	<b>FY 20/21 Actual Activity</b>	<b>FY 21/22 Adopted Budget</b>	<b>FY 21/22 Estimated Actual</b>	<b>FY 22/23 Adopted Budget</b>	<b>FY 22/23 Amended Budget</b>
MD0109	Customer Generated Distribution System Improvements	\$5,687	\$3,653	\$4,348	\$4,136	\$4,459	\$4,459

ALAMEDA COUNTY WATER DISTRICT

DEBT SERVICE  
SCHEDULE  
(\$ in thousands)

	Amount of Original Issue	Outstanding Balance at 6/30/2022		FY 19/20 Actual Activity	FY 20/21 Actual Activity	FY 21/22 Adopted Budget	FY 21/22 Estimated Actual	FY 22/23 Adopted Budget	FY 22/23 Amended Budget
2009 Refunding Rev Bonds 2.0% - 5.0% Maturity: FY 2019-20	\$26,340	-	Principal Interest Total	\$2,780 87 2,867	- - -	- - -	- - -	- - -	- - -
2012 Revenue Bonds 3.0% - 5.0% Maturity: FY 2040-41	45,240	-	Principal Interest Total	300 1,584 1,884	2,335 1,570 3,905	2,400 1,454 3,854	2,400 1,454 3,854	2,465 1,334 3,799	- - -
2015 Revenue Bonds 4.0% - 5.0% Maturity: FY 2044-45	27,810	24,105	Principal Interest Total	555 1,072 1,627	580 1,044 1,624	610 1,015 1,625	610 1,015 1,625	640 984 1,624	640 984 1,624
2022 Refunding Rev Bonds 4.0% - 5.0% Maturity: FY 2044-45	43,575	43,575	Principal Interest Total	- - -	- - -	- - -	- - -	- - -	2,130 2,211 4,341
Est Debt Service (Advanced Metering Infrastructure)					-	-	-	1,103	-
<b>Grand Total</b>	<b>\$142,965</b>	<b>\$67,680</b>		<b>\$6,378</b>	<b>\$5,529</b>	<b>\$5,479</b>	<b>\$5,479</b>	<b>\$6,526</b>	<b>\$5,965</b>

ALAMEDA COUNTY WATER DISTRICT

LABOR AND BENEFITS

LABOR COST DETAIL

(\$ in thousands)

	FY 19/20 Actual Activity	FY 20/21 Actual Activity	FY 21/22 Adopted Budget	FY 21/22 Estimated Actual	FY 22/23 Adopted Budget	FY 22/23 Amended Budget
<b>Operating</b>						
Source of Supply	\$2,187	\$2,089	\$2,390	\$2,351	\$2,701	\$2,861
Pumping	241	312	462	430	480	478
Water Treatment	4,160	3,967	4,587	4,527	4,807	4,814
Transmission & Distribution	4,356	4,566	4,541	4,575	4,988	5,379
Customer Accounts	1,207	1,371	1,651	1,404	1,747	1,712
Administration & General	8,190	9,481	8,710	9,099	9,405	10,086
Vacation, Sick Leave, Etc.	5,826	5,741	5,658	6,905	5,745	5,743
Expense Projects	185	561	10	561	10	561
<b>Total Operating Labor</b>	<b>26,352</b>	<b>28,088</b>	<b>28,010</b>	<b>29,851</b>	<b>29,883</b>	<b>31,634</b>
<b>Capital</b>						
General Fund	2,165	1,990	2,084	2,084	1,798	1,798
Facilities Improvement Fund	401	381	517	517	297	297
Facilities Renewal Fund	307	372	722	722	407	407
<b>Total Capital Labor</b>	<b>2,874</b>	<b>2,742</b>	<b>3,323</b>	<b>3,323</b>	<b>2,503</b>	<b>2,503</b>
<b>Customer Jobs</b>	<b>960</b>	<b>948</b>	<b>1,125</b>	<b>1,125</b>	<b>1,166</b>	<b>1,166</b>
<b>Total Labor Costs</b>	<b>\$30,186</b>	<b>\$31,777</b>	<b>\$32,458</b>	<b>\$34,299</b>	<b>\$33,551</b>	<b>\$35,302</b>

**ALAMEDA COUNTY WATER DISTRICT**  
**LABOR AND BENEFITS**  
**EMPLOYEE RETIREMENT AND BENEFIT DETAIL**  
(\$ in thousands)

Description	FY 19/20 Actual Activity	FY 20/21 Actual Activity	FY 21/22 Adopted Budget	FY 21/22 Estimated Actual	FY 22/23 Adopted Budget	FY 22/23 Amended Budget
PERS Employer Percent	\$8,734	\$9,140	\$9,647	\$9,377	\$9,805	\$9,490
PERS EE Portion Paid by ACWD	263	268	264	262	266	299
OPEB	3,251	2,486	2,573	2,651	2,635	2,726
OPEB Advanced Funding	1,217	1,518	1,465	1,465	1,410	1,410
Pension Advanced Funding	5,975	5,506	5,866	5,465	5,016	5,566
Deferred Comp Contribution	233	188	197	257	197	203
Social Security	4	4	29	3	30	38
Medical	5,373	5,488	6,029	5,238	6,029	5,917
Medicare	443	462	468	296	468	498
AD&D	6	7	7	6	7	7
Life Insurance	61	63	76	64	80	73
Dental	398	408	448	395	461	441
Vision	62	64	71	63	73	70
Employee Assistance Program	6	7	7	6	7	7
Short Term Disability	69	73	76	62	80	67
LTD/Wage Continuation	101	108	113	103	119	112
Unemployment Insurance	8	23	15	6	15	11
Workers' Comp	1,073	1,074	1,141	1,053	1,148	1,131
MCP Allowance	124	136	146	155	150	160
Misc Other Benefits	10	26	52	49	52	52
<b>Total Emp Ret &amp; Benefits</b>	<b>\$27,409</b>	<b>\$27,048</b>	<b>\$28,686</b>	<b>\$26,976</b>	<b>\$28,046</b>	<b>\$28,277</b>

**ALAMEDA COUNTY WATER DISTRICT**

**PERSONNEL BUDGET**

**Fiscal Year 2022/23**

**ORGANIZATION CHARTS**

**SUMMARY**

**DEPARTMENTS:**

**Office of the General Manager**

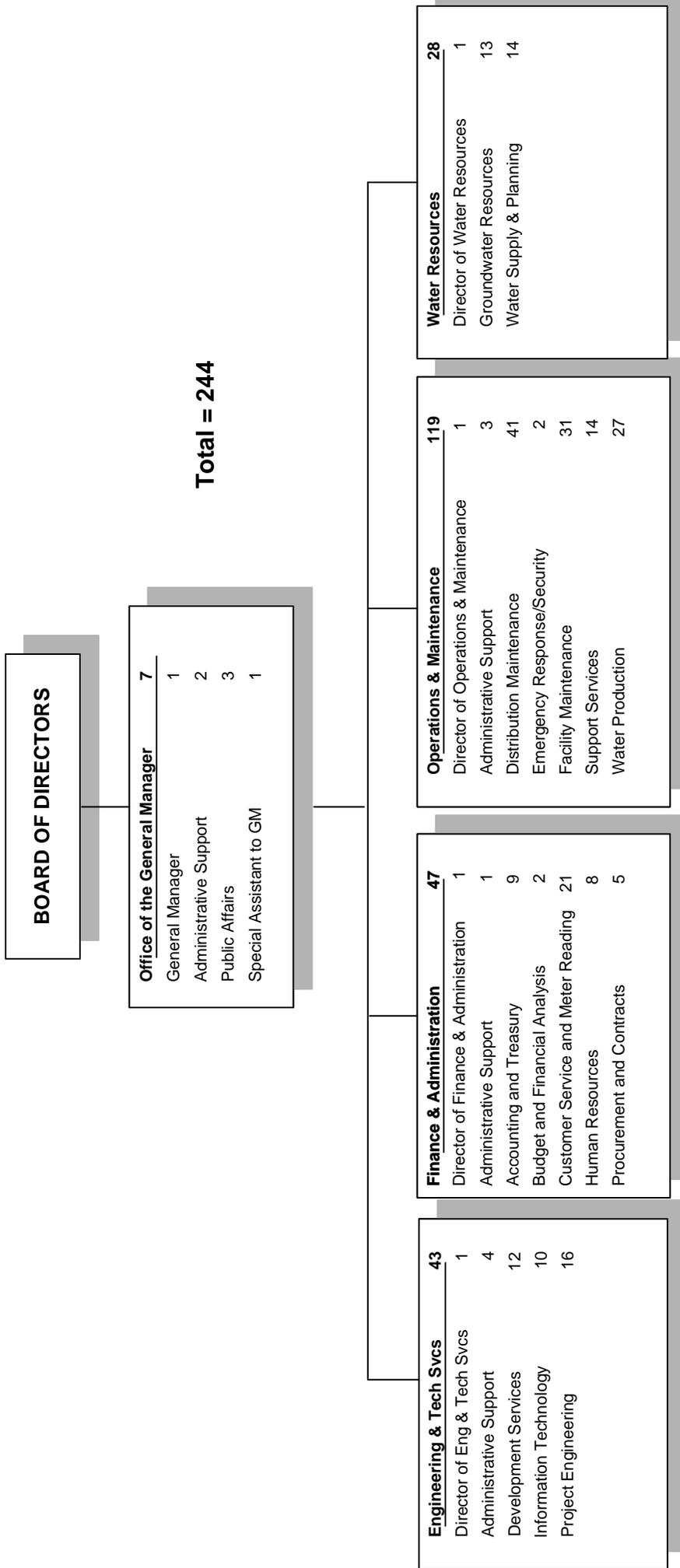
**Engineering & Technology Services**

**Finance & Administration**

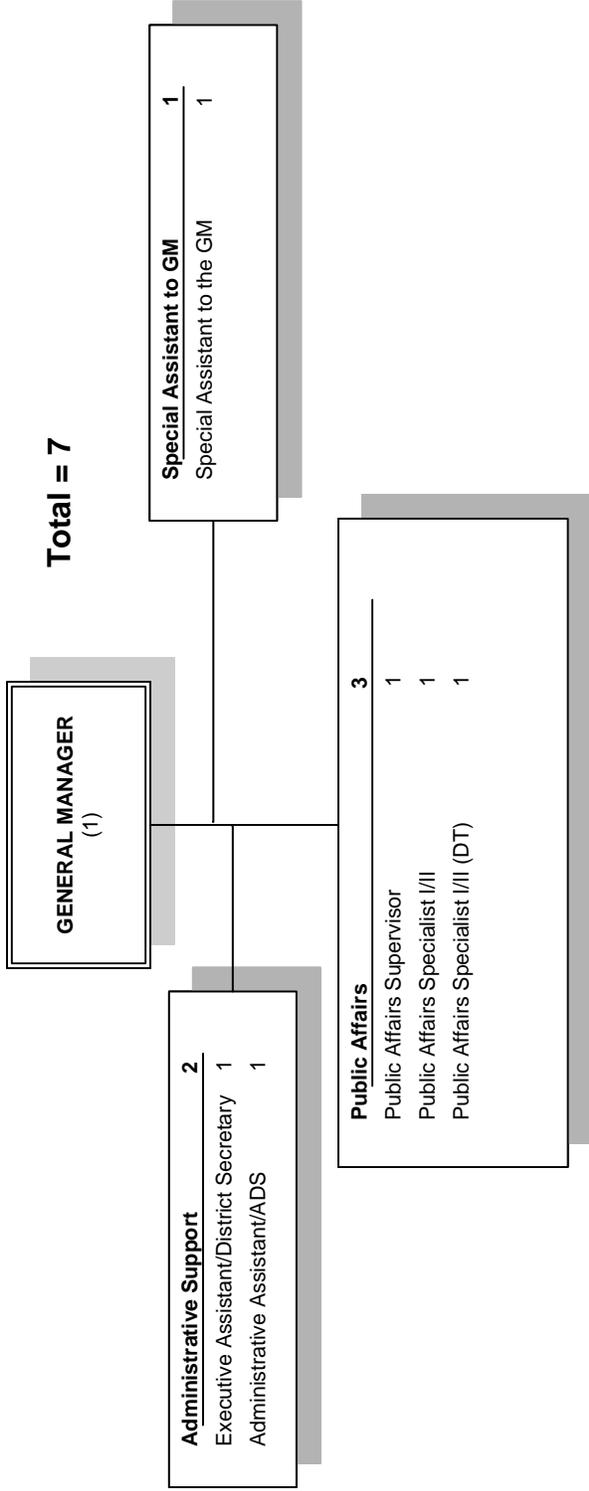
**Operations & Maintenance**

**Water Resources**

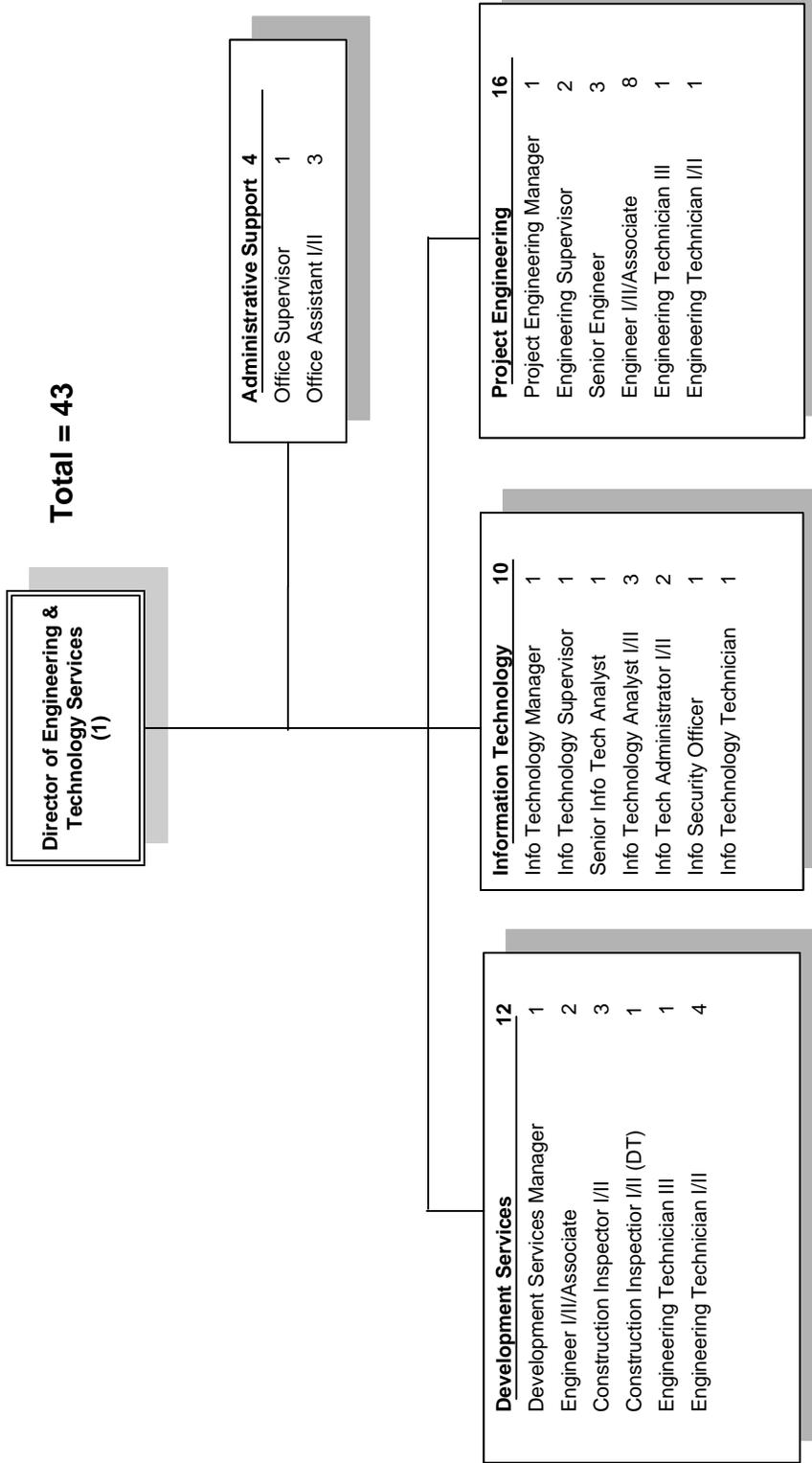
**ALAMEDA COUNTY WATER DISTRICT  
FUNCTIONAL ORGANIZATIONAL CHART  
FY 22/23**



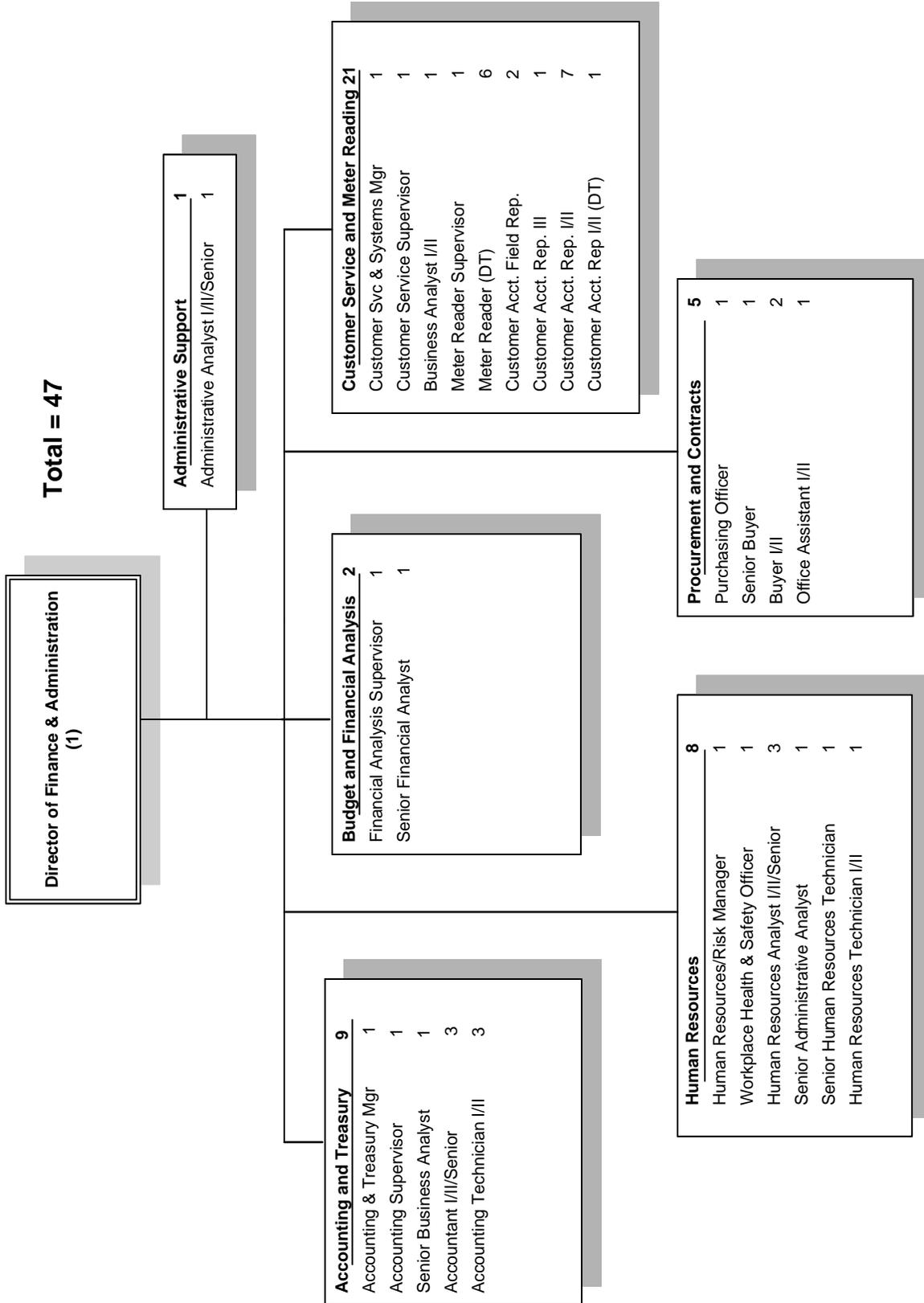
**ALAMEDA COUNTY WATER DISTRICT  
OFFICE OF THE GENERAL MANAGER  
FY 22/23**



**ALAMEDA COUNTY WATER DISTRICT  
ENGINEERING & TECHNOLOGY SERVICES DEPARTMENT  
FY 22/23**



**ALAMEDA COUNTY WATER DISTRICT  
FINANCE & ADMINISTRATION DEPARTMENT  
FY 22/23**



**ALAMEDA COUNTY WATER DISTRICT  
OPERATIONS & MAINTENANCE DEPARTMENT  
FY 22/23**

**Total = 119**

**Director of Operations & Maintenance  
(1)**

<b>Emergency Response/Security</b>	<b>2</b>
Emergency & Security Services Supervisor	1
Emergency & Security Services Planner	1

<b>Administrative Support</b>	<b>3</b>
Office Supervisor	1
Office Assistant I/II	2

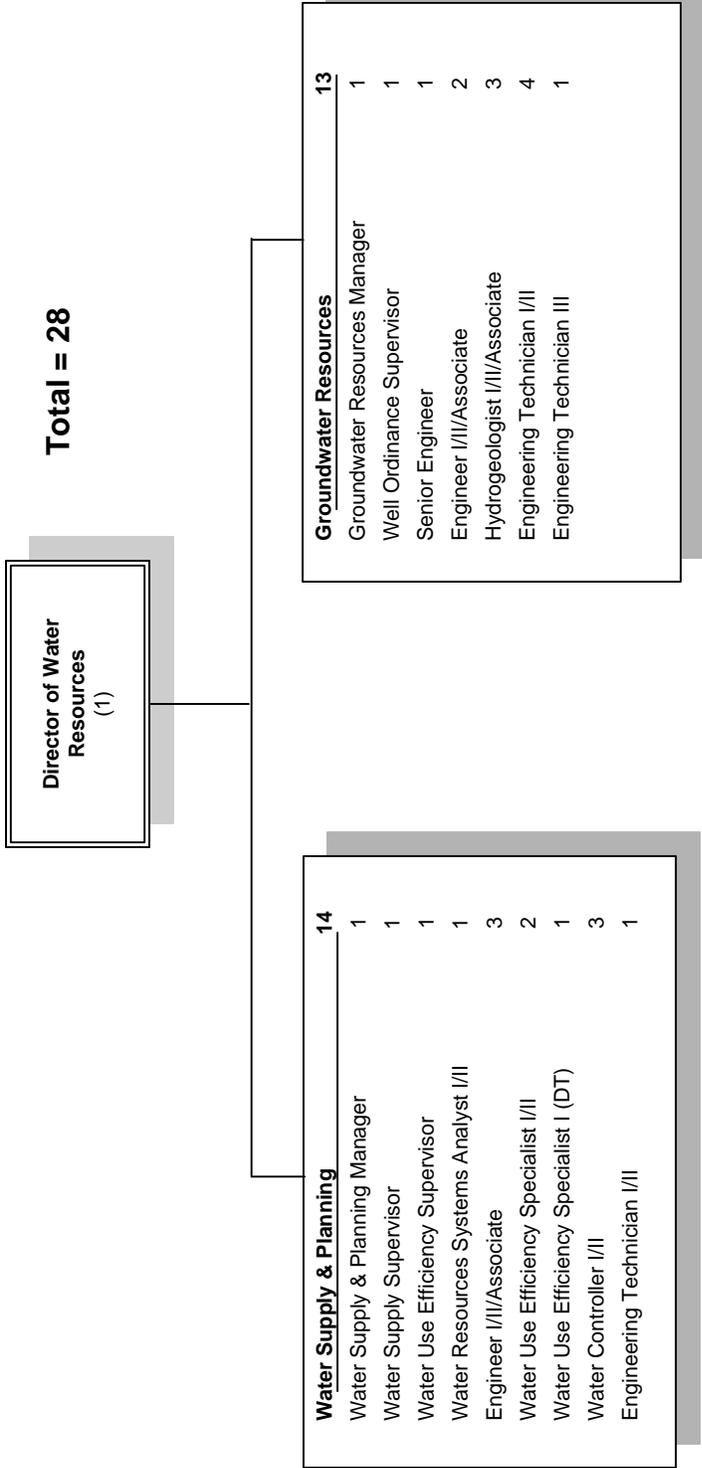
<b>Distribution Maintenance</b>	<b>41</b>
Distribution Maintenance Manager	1
Distribution Maintenance Supervisor	3
Utility Worker I/II/III	31
Meter/Cross Connection Worker I/II	4
Storekeeper I/II	1
Office Assistant I/II	1

<b>Support Services</b>	<b>14</b>
Engineering Supervisor	1
Laboratory Services Supervisor	1
QA/QC Officer	1
Senior Chemist	1
Engineer III/Associate	1
Chemist I/II	4
Environmental Specialist I/II	1
Laboratory Technician I/II	4

<b>Water Production</b>	<b>27</b>
Water Production Manager	1
Senior Engineer	2
Engineer I/II/Associate	1
Engineering Technician I/II	1
Treatment & Distrib. Supervisor	2
Water Trmt. Plant Opr./Trainee/Advan.	14
Treatment Facilities Oper/Advanced	6

<b>Facility Maintenance</b>	<b>31</b>
Facility Maintenance Manager	1
Office Assistant I/II	1
General Facilities Supervisor	1
Vehicle & Equipment Mechanic I/II	2
Facilities Maintenance Worker	2
Gardener I/II	2
Gardener III	1
Engineering Supervisor	1
Operations Systems Administrator	1
Operations Systems Analyst	1
Engineer I/II/Associate	2
Engineering Technician I/II	1
Systems Maintenance Supervisor	1
Planner/Scheduler	1
Instrument Technician I/II	4
Senior Utility Mechanic	1
Utility Mechanic I/II	5
Electrician I/II	3

**ALAMEDA COUNTY WATER DISTRICT  
WATER RESOURCES DEPARTMENT  
FY 22/23**



**ALAMEDA COUNTY WATER DISTRICT  
PERSONNEL BUDGET  
SUMMARY**

<b>DEPARTMENT</b>	<b>FY 2021/22 Adopted</b>		<b>FY 2021/22 Amended</b>		<b>FY 2022/23 Adopted</b>		<b>FY 2022/23 Amended</b>	
	<b>FULL TIME</b>	<b>TEMP/ PART TIME</b>						
OFFICE OF THE GENERAL MGR	14.0	1.0	6.0	1.0	14.0	1.0	7.0	1.0
ENGINEERING & TECH SVCS	43.0	3.0	43.0	3.0	44.0	3.0	43.0	3.0
FINANCE & ADMINISTRATION	39.0	2.0	47.0	2.0	39.0	2.0	47.0	2.0
OPERATIONS & MAINTENANCE	119.0	2.0	119.0	2.0	119.0	2.0	119.0	2.0
WATER RESOURCES	26.0	4.0	26.0	4.0	27.0	4.0	28.0	4.0
<b>TOTAL DISTRICT</b>	<b>241.0</b>	<b>12.0</b>	<b>241.0</b>	<b>12.0</b>	<b>243.0</b>	<b>12.0</b>	<b>244.0</b>	<b>12.0</b>

**ALAMEDA COUNTY WATER DISTRICT  
PERSONNEL BUDGET  
OFFICE OF THE GENERAL MANAGER**

<b>CLASSIFICATION</b>	<b>FY 2021/22 Adopted</b>	<b>FY 2021/22 Amended</b>	<b>FY 2022/23 Adopted</b>	<b>FY 2022/23 Amended</b>
ADMINISTRATIVE ANALYST I/II/SENIOR	1.0	-	1.0	-
ADMINISTRATIVE ASSISTANT/ADS	1.0	1.0	1.0	1.0
EXECUTIVE ASSISTANT/DISTRICT SECRETARY	1.0	1.0	1.0	1.0
GENERAL MANAGER	1.0	1.0	1.0	1.0
HUMAN RESOURCES ANALYST I/II/SENIOR	3.0	-	3.0	-
HUMAN RESOURCES TECHNICIAN I/II/SENIOR	2.0	-	2.0	-
HUMAN RESOURCES/RISK MANAGER	1.0	-	1.0	-
PUBLIC AFFAIRS SPECIALIST I/II/SENIOR	1.0	1.0	1.0	1.0
PUBLIC AFFAIRS SPECIALIST I/II (DT)	-	-	-	1.0
PUBLIC AFFAIRS SUPERVISOR	1.0	1.0	1.0	1.0
SPECIAL ASSISTANT TO THE GENERAL MANAGER	1.0	1.0	1.0	1.0
WORKPLACE HEALTH & SAFETY OFFICER	1.0	-	1.0	-
<b>TOTAL OGM - FULL TIME</b>	<b>14.0</b>	<b>6.0</b>	<b>14.0</b>	<b>7.0</b>

<b>CLASSIFICATION</b>	<b>FY 2021/22 Adopted</b>	<b>FY 2021/22 Amended</b>	<b>FY 2022/23 Adopted</b>	<b>FY 2022/23 Amended</b>
PUBLIC & COMMUNITY AFFAIRS INTERN	1.0	1.0	1.0	1.0
<b>TOTAL OGM - TEMPORARY/PART TIME</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>

**ALAMEDA COUNTY WATER DISTRICT  
PERSONNEL BUDGET  
ENGINEERING AND TECHNOLOGY SERVICES**

<b>CLASSIFICATION</b>	<b>FY 2021/22 Adopted</b>	<b>FY 2021/22 Amended</b>	<b>FY 2022/23 Adopted</b>	<b>FY 2022/23 Amended</b>
CONSTRUCTION INSPECTOR I/II	3.0	3.0	3.0	3.0
CONSTRUCTION INSPECTOR I/II (DT)	1.0	1.0	1.0	1.0
DEVELOPMENT SERVICES MANAGER	1.0	1.0	1.0	1.0
DIRECTOR OF ENGINEERING & TECHNOLOGY	1.0	1.0	1.0	1.0
ENGINEER I/II/ASSOCIATE	10.0	10.0	10.0	10.0
ENGINEERING SUPERVISOR	2.0	2.0	2.0	2.0
ENGINEERING TECHNICIAN I/II	5.0	5.0	5.0	5.0
ENGINEERING TECHNICIAN I/II (DT)	1.0	1.0	1.0	-
ENGINEERING TECHNICIAN III	2.0	2.0	2.0	2.0
INFORMATION SECURITY OFFICER	-	-	1.0	1.0
INFORMATION TECHNOLOGY ADMINISTRATOR I/II	2.0	2.0	2.0	2.0
INFORMATION TECHNOLOGY ANALYST I/II	3.0	3.0	3.0	3.0
INFORMATION TECHNOLOGY MANAGER	1.0	1.0	1.0	1.0
INFORMATION TECHNOLOGY SUPERVISOR	1.0	1.0	1.0	1.0
INFORMATION TECHNOLOGY TECHNICIAN	-	1.0	-	1.0
NETWORK TECHNICIAN	1.0	-	1.0	-
OFFICE ASSISTANT I/II	3.0	3.0	3.0	3.0
OFFICE SUPERVISOR	1.0	1.0	1.0	1.0
PROJECT ENGINEERING MANAGER	1.0	1.0	1.0	1.0
SENIOR ENGINEER	3.0	3.0	3.0	3.0
SENIOR INFO TECHNOLOGY ANALYST	1.0	1.0	1.0	1.0
<b>TOTAL ETS - FULL TIME</b>	<b>43.0</b>	<b>43.0</b>	<b>44.0</b>	<b>43.0</b>

<b>CLASSIFICATION</b>	<b>FY 2021/22 Adopted</b>	<b>FY 2021/22 Amended</b>	<b>FY 2022/23 Adopted</b>	<b>FY 2022/23 Amended</b>
ENGINEERING INTERN	2.0	2.0	2.0	2.0
WORK EXPERIENCE EDUCATION STUDENT	1.0	1.0	1.0	1.0
<b>TOTAL ETS - TEMPORARY/PART TIME</b>	<b>3.0</b>	<b>3.0</b>	<b>3.0</b>	<b>3.0</b>

**ALAMEDA COUNTY WATER DISTRICT  
PERSONNEL BUDGET  
FINANCE AND ADMINISTRATION**

<b>CLASSIFICATION</b>	<b>FY 2021/22 Adopted</b>	<b>FY 2021/22 Amended</b>	<b>FY 2022/23 Adopted</b>	<b>FY 2022/23 Amended</b>
ACCOUNTANT I/II/SENIOR	3.0	3.0	3.0	3.0
ACCOUNTING TECHNICIAN I/II	3.0	3.0	3.0	3.0
ACCOUNTING SUPERVISOR	1.0	1.0	1.0	1.0
ACCOUNTING AND TREASURY MANAGER	1.0	1.0	1.0	1.0
ADMINISTRATIVE ANALYST I/II/SENIOR	1.0	2.0	1.0	2.0
BUSINESS ANALYST I/II	1.0	1.0	1.0	1.0
BUYER I/II	2.0	2.0	2.0	2.0
CUSTOMER ACCOUNT FIELD REPRESENTATIVE	2.0	2.0	2.0	2.0
CUSTOMER ACCOUNT REPRESENTATIVE I/II	7.0	7.0	7.0	7.0
CUSTOMER ACCOUNT REPRESENTATIVE I/II (DT)	1.0	1.0	1.0	1.0
CUSTOMER ACCOUNT REPRESENTATIVE III	1.0	1.0	1.0	1.0
CUSTOMER SERVICE SUPERVISOR	1.0	1.0	1.0	1.0
CUSTOMER SVCS AND SYSTEMS MANAGER	1.0	1.0	1.0	1.0
DIRECTOR OF FINANCE & ADMINISTRATION	1.0	1.0	1.0	1.0
FINANCIAL ANALYSIS SUPERVISOR	1.0	1.0	1.0	1.0
HUMAN RESOURCES ANALYST I/II/SENIOR	-	3.0	-	3.0
HUMAN RESOURCES TECHNICIAN I/II	-	1.0	-	1.0
HUMAN RESOURCES/RISK MANAGER	-	1.0	-	1.0
METER READER	5.0	5.0	5.0	-
METER READER (DT)	1.0	1.0	1.0	6.0
METER READER SUPERVISOR	1.0	1.0	1.0	1.0
OFFICE ASSISTANT I/II	1.0	1.0	1.0	1.0
PURCHASING OFFICER	1.0	1.0	1.0	1.0
SENIOR BUSINESS ANALYST	1.0	1.0	1.0	1.0
SENIOR BUYER	1.0	1.0	1.0	1.0
SENIOR FINANCIAL ANALYST	1.0	1.0	1.0	1.0
SENIOR HUMAN RESOURCES TECHNICIAN	-	1.0	-	1.0
WORKPLACE HEALTH & SAFETY OFFICER	-	1.0	-	1.0
<b>TOTAL FIN - FULL TIME</b>	<b>39.0</b>	<b>47.0</b>	<b>39.0</b>	<b>47.0</b>
<b>CLASSIFICATION</b>	<b>FY 2021/22 Adopted</b>	<b>FY 2021/22 Amended</b>	<b>FY 2022/23 Adopted</b>	<b>FY 2022/23 Amended</b>
WORK EXPERIENCE EDUCATION STUDENT	2.0	2.0	2.0	2.0
<b>TOTAL FIN - TEMPORARY/PART TIME</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>

**ALAMEDA COUNTY WATER DISTRICT  
PERSONNEL BUDGET  
OPERATIONS AND MAINTENANCE**

<b>CLASSIFICATION</b>	<b>FY 2021/22 Adopted</b>	<b>FY 2021/22 Amended</b>	<b>FY 2022/23 Adopted</b>	<b>FY 2022/23 Amended</b>
CHEMIST I/II	4.0	4.0	4.0	4.0
DIRECTOR OF OPERATIONS AND MAINTENANCE	1.0	1.0	1.0	1.0
DISTRIBUTION MAINTENANCE MANAGER	1.0	1.0	1.0	1.0
DISTRIBUTION MAINTENANCE SUPERVISOR	3.0	3.0	3.0	3.0
ELECTRICIAN I/II	3.0	3.0	3.0	3.0
EMERGENCY & SECURITY SERVICES SUPERVISOR	1.0	1.0	1.0	1.0
EMERGENCY & SECURITY SERVICES PLANNER	1.0	1.0	1.0	1.0
ENGINEER I/II/ASSOCIATE	4.0	4.0	4.0	4.0
ENGINEERING SUPERVISOR	2.0	2.0	2.0	2.0
ENGINEERING TECHNICIAN I/II	2.0	2.0	2.0	2.0
ENVIRONMENTAL SPECIALIST I/II	1.0	1.0	1.0	1.0
FACILITIES MAINTENANCE MANAGER	1.0	1.0	1.0	1.0
FACILITIES MAINTENANCE WORKER	2.0	2.0	2.0	2.0
GARDENER I/II	2.0	2.0	2.0	2.0
GARDENER III	1.0	1.0	1.0	1.0
GENERAL FACILITIES SUPERVISOR	1.0	1.0	1.0	1.0
INSTRUMENT TECHNICIAN I/II	4.0	4.0	4.0	4.0
LABORATORY SERVICES SUPERVISOR	1.0	1.0	1.0	1.0
LABORATORY TECHNICIAN I/II	4.0	4.0	4.0	4.0
METER/CROSS CONNECTION WORKER I/II	4.0	4.0	4.0	4.0
OFFICE ASSISTANT I/II	4.0	4.0	4.0	4.0
OFFICE SUPERVISOR	1.0	1.0	1.0	1.0
OPERATIONS SYSTEMS ADMINISTRATOR	1.0	1.0	1.0	1.0
OPERATIONS SYSTEMS ANALYST	1.0	1.0	1.0	1.0
PLANNER/SCHEDULER	2.0	1.0	2.0	1.0
QA/QC OFFICER	1.0	1.0	1.0	1.0
SENIOR CHEMIST	1.0	1.0	1.0	1.0
SENIOR ENGINEER	2.0	2.0	2.0	2.0
SENIOR UTILITY MECHANIC	-	1.0	-	1.0
STOREKEEPER I/II	1.0	1.0	1.0	1.0
SYSTEMS MAINTENANCE SUPERVISOR	1.0	1.0	1.0	1.0
TREATMENT & DISTRIBUTION SUPERVISOR	2.0	2.0	2.0	2.0
TREATMENT FACILITIES OPERATOR/TRAINEE/ADV	6.0	6.0	6.0	6.0
UTILITY MECHANIC I/II	5.0	5.0	5.0	5.0
UTILITY WORKER I/II/III	31.0	31.0	31.0	31.0
VEHICLE & EQUIPMENT MECHANIC I/II	2.0	2.0	2.0	2.0
WATER PRODUCTION MANAGER	1.0	1.0	1.0	1.0
WATER TREATMENT PLANT OPERATOR/TRAINEE/ADV	14.0	14.0	14.0	14.0
<b>TOTAL OM - FULL TIME</b>	<b>119.0</b>	<b>119.0</b>	<b>119.0</b>	<b>119.0</b>
<b>CLASSIFICATION</b>	<b>FY 2021/22 Adopted</b>	<b>FY 2021/22 Amended</b>	<b>FY 2022/23 Adopted</b>	<b>FY 2022/23 Amended</b>
INTERN	2.0	2.0	2.0	2.0
<b>TOTAL OM - TEMPORARY/PART TIME</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>

**ALAMEDA COUNTY WATER DISTRICT  
PERSONNEL BUDGET  
WATER RESOURCES**

<b>CLASSIFICATION</b>	<b>FY 2021/22 Adopted</b>	<b>FY 2021/22 Amended</b>	<b>FY 2022/23 Adopted</b>	<b>FY 2022/23 Amended</b>
DIRECTOR OF WATER RESOURCES	1.0	1.0	1.0	1.0
ENGINEER I/II/ASSOCIATE	6.0	6.0	5.0	5.0
ENGINEERING TECHNICIAN I/II	5.0	5.0	5.0	5.0
ENGINEERING TECHNICIAN III	1.0	1.0	1.0	1.0
GROUNDWATER RESOURCES MANAGER	1.0	1.0	1.0	1.0
HYDROGEOLOGIST I/II/ASSOCIATE	2.0	2.0	3.0	3.0
SENIOR ENGINEER	1.0	1.0	1.0	1.0
WATER USE EFFICIENCY SPECIALIST I/II	2.0	2.0	2.0	2.0
WATER USE EFFICIENCY SPECIALIST I (DT)	-	-	-	1.0
WATER USE EFFICIENCY SUPERVISOR	1.0	1.0	1.0	1.0
WATER CONTROLLER I/II	3.0	3.0	3.0	3.0
WATER RESOURCES SYSTEMS ANALYST I/II	-	-	1.0	1.0
WATER SUPPLY & PLANNING MANAGER	1.0	1.0	1.0	1.0
WATER SUPPLY SUPERVISOR	1.0	1.0	1.0	1.0
WELL ORDINANCE SUPERVISOR	1.0	1.0	1.0	1.0
<b>TOTAL WR - FULL TIME</b>	<b>26.0</b>	<b>26.0</b>	<b>27.0</b>	<b>28.0</b>

<b>CLASSIFICATION</b>	<b>FY 2021/22 Adopted</b>	<b>FY 2021/22 Amended</b>	<b>FY 2022/23 Adopted</b>	<b>FY 2022/23 Amended</b>
ENGINEERING INTERN	4.0	4.0	4.0	4.0
<b>TOTAL WR - TEMPORARY/PART TIME</b>	<b>4.0</b>	<b>4.0</b>	<b>4.0</b>	<b>4.0</b>





Category	CIP No	Priority	FIF	FRF	Title	Actual	Year 1	Year 2	23-24	24-25	25-26	26-27	27-28	28-29	29-30	30-31	31-32	32-33	33-34	34-35	35-36	36-37	37-38	38-39	39-40	40-41	41-42	42-43	43-44	44-45	45-46	2 YR	10 YR	25 YR			
						20-21	21-22	22-23																								Total	Total	Total			
OS	AK02.01	B	0	No	Nichols and Bunting Houses	0	0	0	0	0	220	310	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	530	530	
PR	EE02.02	B	0.2	No	Desal Reliability Project	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	27	
OS	GA09.01	B	0.2	No	New Aquifer Reclamation Program Well	126	5	100	1,476	1,838	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105	3,419	3,419
OS	GG50.03	B	0	No	GW Basin Reclamation and Protection Improvements	0	0	0	0	0	0	0	20	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50
ES	GG41.03B	B	0.2	No	Rubber Dam 1 - Fish Ladder Miscellaneous Safety Modifications	0	0	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	75	
OS	-	-	0	No	Miscellaneous Extrordinary Expense Projects			705																										705	705	705	

rdinary Expense Projects		Program Total (Including Ext. Expenses & Customer Jobs)	52,681	43,759	56,661	72,717	67,424	45,509	43,273	39,697	36,984	42,983	61,775	45,535	34,541	36,613	42,773	50,869	50,002	49,977	50,567	50,427	50,037	50,172	50,162	185,275	68,447	70,522	100,420	510,783	1,396,699			
Os: Operational Sustainability	FIF	4,804	6,374	7,000	11,839	10,742	9,516	11,585	8,104	8,171	5,739	15,482	9,321	7,218	9,329	14,780	9,085	9,085	9,087	9,087	9,127	9,088	9,086	9,086	76,336	10,936	10,885	13,374	94,552	306,092				
SR: System Reliability	FRF	2,025	2,165	590	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413	413	0	2,755	6,059	11,841		
WS: Water Supply	Customer Jobs	3,653	4,136	4,459	4,000	4,000	4,000	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	8,595	38,595	91,095
PR: Production Reliability	GF	37,687	31,085	44,612	56,465	52,270	31,580	27,275	27,680	24,900	33,331	42,380	32,301	23,410	23,370	24,080	37,870	37,003	36,977	37,567	37,387	37,036	37,172	37,162	105,025	53,597	56,136	75,697	371,577	987,671				
SeR: Seismic Reliability	GF: Extraordinary Expense	4,512	5,052	5,651	5,926	6,075	4,402	4,395	4,060	4,600	4,060	4,060	4,060	4,000	4,660	4,000	4,120	4,000	4,060	4,600	4,060	4,060	4,060	4,060	4,000	139,160	4,000	4,120	10,703	48,281	245,241			
WQ: Water Quality	GF: Capital	37,687	26,033	38,961	50,539	46,194	27,178	22,880	23,620	20,300	29,271	38,320	28,241	19,410	18,710	20,080	33,750	33,003	32,917	32,967	33,327	32,976	33,112	33,162	-34,135	49,597	52,016	64,994	323,297	742,430				
ES: Environmental Sustainability	Program Total (Including Ext. Expense) minus Customer Jobs:	49,028	39,623	52,202	68,717	63,424	41,509	39,273	36,197	33,484	39,483	58,275	42,035	31,041	33,113	39,273	47,369	46,502	46,477	47,067	46,927	46,537	46,672	46,662	181,775	64,947	67,022	91,826	472,189	1,305,604				

RESOLUTION NO. 22-044

OF BOARD OF DIRECTORS OF ALAMEDA COUNTY WATER DISTRICT  
AMENDING THE FY 2022/23 BUDGET AND THE 25-YEAR CAPITAL  
IMPROVEMENT PROGRAM

---

BE IT RESOLVED by the BOARD OF DIRECTORS of ALAMEDA COUNTY WATER DISTRICT that the attached amended Budget for the Fiscal Year beginning July 1, 2022 and ending June 30, 2023, which has been reviewed and considered by this Board, is approved and adopted.

BE IT FURTHER RESOLVED that the attached 25-Year Capital Improvement Program for the period from Fiscal Year 2021/22 through Fiscal Year 2045/46, which has been reviewed and considered by this Board, is approved and adopted.

PASSED AND ADOPTED this 9<sup>th</sup> day of June 2022, by the following vote:

AYES: Directors Akbari, Gunther, Huang, and Weed

NOES: Director Sethy

ABSENT: None

/s/ JOHN H. WEED

John H. Weed, President  
Board of Directors  
Alameda County Water District

ATTEST:

/s/ GINA MARKOU

Gina Markou, District Secretary  
Alameda County Water District  
(Seal)

APPROVED AS TO FORM:

/s/ PATRICK T. MIYAKI

Patrick T. Miyaki, General Counsel  
Alameda County Water District