COACHELLA VALLEY WATER DISTRICT

2023-24

FISCAL YEAR

OPERATING & CAPITAL IMPROVEMENT BUDGET



COACHELLA, CALIFORNIA

COACHELLA VALLEY WATER DISTRICT
OPERATING & CAPITAL IMPROVEMENT BUDGET
FISCAL YEAR 2023 – 24



John Aguilar
Division One



Anthony Bianco
Division Two



John Powell Jr.
Division Three
Board President



Peter Nelson
Division Four



Cástulo R. Estrada
Division Five
Board Vice President

CVWD MISSION STATEMENT

To meet the water-related needs of the people through dedicated employees, providing high-quality water at a reasonable cost.

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General Manager

Robert Cheng
Assistant General Manager

Dan Charlton
Assistant General Manager

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GOVERNMENT FINANCE OFFICERS ASSOCIATION

Distinguished Budget Presentation Award

PRESENTED TO

Coachella Valley Water District
California

For the Fiscal Year Beginning

July 01, 2022

Christopher P. Morrill

Executive Director



CONTACT INFORMATION

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The Fiscal Year 2023-24 Budget is available on our website: CVWD.org/budget2023-24

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Clerk of the Board	Sylvia Bermudez
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Engineering	Carrie Oliphant
Environmental Services	Joanne Le
Finance	Rick Aragon
Human Resources	Scott Hunter
Information Systems	Luis Maciel

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BUDGET MESSAGE



JULY 1, 2023

To the Board of Directors:

The fiscal year 2024 (FY) budget reflects the District's commitment to adapt to change while remaining focused on our mission to provide high quality water at a reasonable cost. In April 2022, the Board made the difficult decision to authorize Level 2 conservation measures contained in the Water Shortage Contingency Plan in response to the ongoing drought, only to reverse course this past spring due to a record water year and abundant snowpack. Throughout the budget development process, we found ourselves modifying water purchase assumptions with every passing storm, from an expectation of 5% of our available State Water Project (SWP) allocation to a final determination of up to 100%. With that new assumption in mind, the adopted budget details the operating plan for fiscal year 2024 and balances the Board's desire for affordable rates while maintaining appropriate expenditure levels to meet our obligations.

The budget process begins each year with an extensive review of department needs and planned capital projects. Revenues are reviewed along with projected consumption to ensure sufficiency and to maintain compliance with existing debt requirements. Board input was incorporated during meetings in March, April, and May, with formal adoption occurring on June 13, 2023.

The fiscal year 2024 operating and debt service budget totals $344.1 million, with $141.3 million in capital improvement projects, for a total adopted budget of $485.4 million.

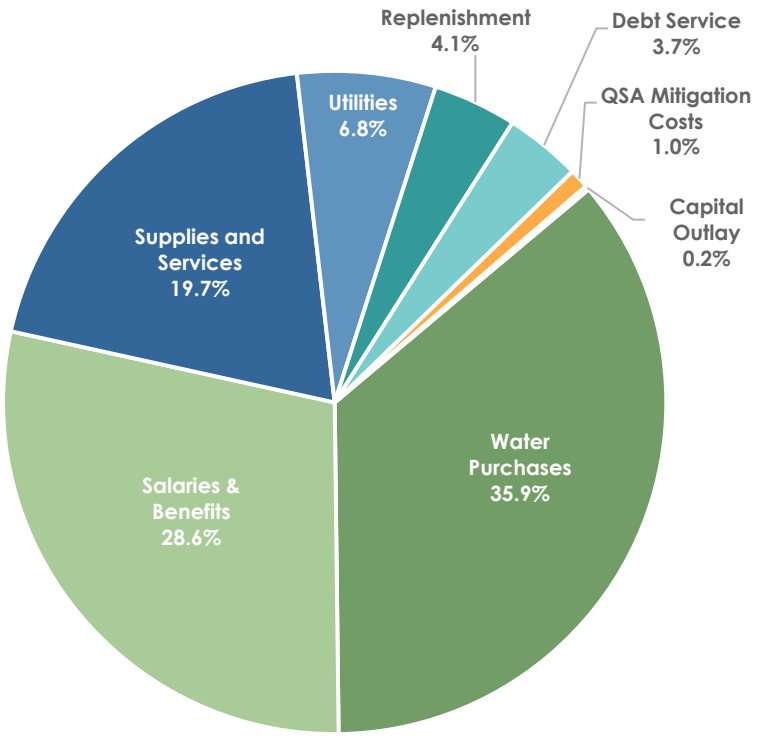
Total District Expenses	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Total Operating Expenses	$ 268,936,476	$ 284,057,691	$ 307,146,106	$ 331,291,393	$ 24,145,287	7.9%
Internal Debt Service	3,416,626	5,582,345	5,545,535	3,945,387	(1,600,148)	-28.9%
External Debt Service	12,595,942	4,446,675	7,241,379	8,847,766	1,606,387	22.2%
Capital Improvement Budget	131,234,137	111,479,948	135,617,442	141,334,762	5,717,320	4.2%
Legal Claim Contingency Accrual	-	46,712,444	-	-	-	-
Other	-	44,813	-	-	-	-
Total Budgeted Expenses	**$ 416,183,180**	**$ 452,323,916**	**$ 455,550,462**	**$ 485,419,308**	**$ 29,868,846**	**6.6%**

* *Unaudited*

OPERATING AND DEBT SERVICE BUDGET

Total operating expenses are budgeted to increase by $24.2 million, or 7.9%, when compared to the fiscal year 2023 budget. The primary cause for the increase is the availability of SWP water and other California water sources related to the wet winter. Budgeted water purchases are increasing by $24.8 million for fiscal year 2024, with the announcement this past April that the District will be eligible to receive up to 100% of its SWP Table A allocation. Other contract water, including 9,500 acre-feet (af) of Rosedale Rio-Bravo water, is also expected to be available in fiscal year 2024.

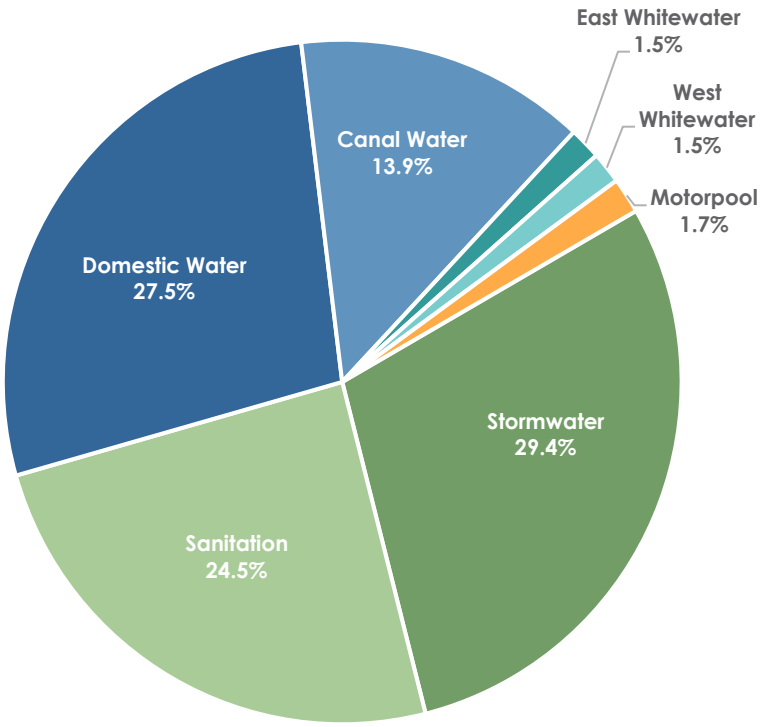
Fiscal year 2023 operating expenses came in $23.1 million below budget, with water purchases finishing the year 19.3% below budget and salaries and benefits 9.1% below budget. Capital expenses were $24.1 million below budget due to a variety of reasons, including funding agency approvals taking longer than expected, delays in acquiring the necessary right-of-way, lack of resources within engineering design firms that resulted in schedule delays on the delivery of design plans, and construction related issues such as long lead items being delayed.



OPERATING AND DEBT SERVICE: $344.1 MILLION

The budget includes 570 full-time equivalent positions in fiscal year 2024, an increase of one position in the Administration department to support the imported water section. Salaries and benefits net of capitalized labor are 28.6% of District expenditures, reflecting a $2.8 million increase from the previous budget. Supplies and services are 12.6% less than the previous budget and reflect a $9.8 million decrease with the expectation of fewer turf rebates in fiscal year 2024. Utilities total 6.8% for fiscal year 2024 and are increasing by $141,000.

Water purchases, which include State Water Project (SWP) anticipated costs, make up the largest portion of operating expenditures at 35.9% and reflect a $24.8 million increase. Debt service payments total $12.8 million for fiscal year 2024 as the District begins repayment of recent borrowings to fund capital projects. Quantitative Settlement Agreement (QSA) mitigation expenses total $3.3 million, with the District taking advantage of an early payoff option to fulfill this obligation in fiscal year 2024.



CAPITAL IMPROVEMENT BUDGET

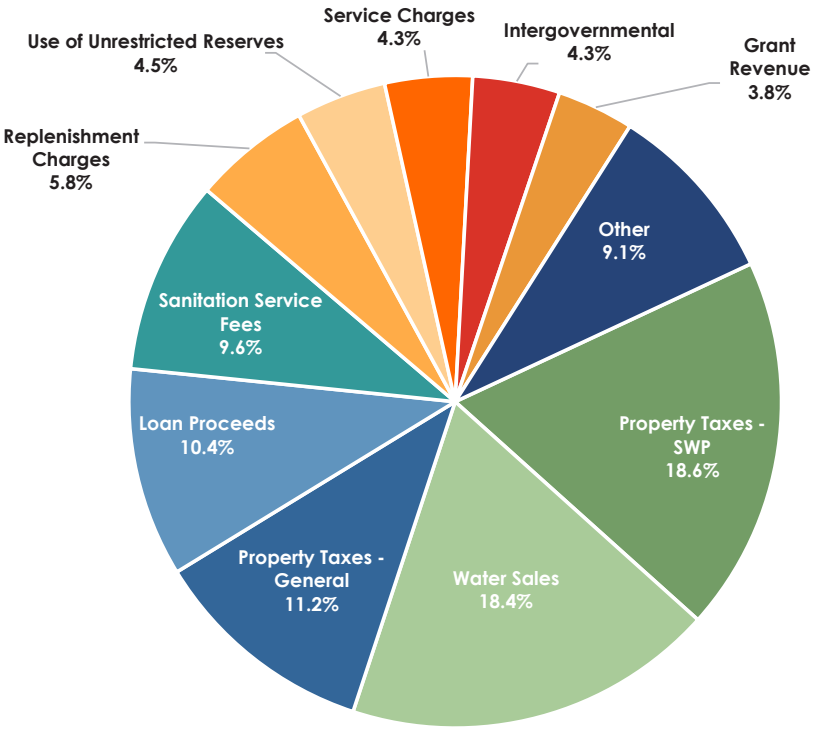
The fiscal year 2024 Capital improvement budget reflects an increase of $5.7 million, or 4.2%, over the prior year budget. Projects are expected to use $59.4 million in pay-go funding, $50.3 million in loan proceeds, $18.5 million in grant funds, and $13.1 million in restricted developer fees.

CAPITAL IMPROVEMENTS: $141.3 MILLION

Major projects planned in fiscal year 2024 include $32 million to complete the North Indio Regional Flood Control System, $22 million for water main improvements, including Adams Street, Dale Kiler, North Shore, and Avenue 66, $16 million in non-potable water projects, and $9.2 million in lift station and collection improvements. The CIP execution rate for fiscal year 2023 was 82.2%. Engineering staff intends to maintain a minimum execution rate of at least 75% in FY 2024 for these critical infrastructure projects.

REVENUES AND OTHER SOURCES:

Fiscal year 2024 revenues and other sources, which include loan proceeds, grants, restricted funds, and unrestricted reserves, total $485.4 million. Of that total, $377.9 million are operating revenues, and reflect a 13.2% increase over fiscal year 2023. The District completed cost of service studies (COSS) for the Domestic Water, Canal Water, West Replenishment, East Replenishment, and Mission Creek Replenishment funds in fiscal year 2021 and the Sanitation fund in fiscal year 2022. Rates adopted by the Board are reflected in the fiscal year 2024 budget.



REVENUE AND OTHER SOURCES: $485.4 MILLION

The District receives funding from a variety of sources: domestic water sales, sanitation service charges, groundwater replenishment charges, ad valorem property taxes, SWP property taxes, monthly domestic water service charges, sales of irrigation water, grants, investment income, assessments that support future development, charges for miscellaneous services, and loan proceeds.

SWP tax revenue totals 18.6% of total revenues for fiscal year 2024, and water sales, including sales from domestic water, recycled or nonpotable water, and canal irrigation water, are 18.4%. In addition, general ad valorem property taxes are 11.2% of total revenues. To support the District's capital improvement plan, loan proceeds reflect 10.4% of total revenues, and the use of restricted funds is 2.8%.

Short- and Long-Term Issues Impacting the Budget

WATER PURCHASES AND CURTAILMENT EFFORTS

The Coachella Valley depends on imported water sources to protect and replenish groundwater supplies within the valley's vast aquifer. The District is one of two California water agencies that hold rights to both Colorado River water and SWP water, an important distinction that will allow the receipt of larger quantities of State-sourced water in fiscal year 2024 while allowing conservation of Colorado River sources through voluntary, compensated efforts in partnership with the U.S. Bureau of Reclamation (USBR) over the next three years.

Under the Lower Colorado Conservation Program, the District agreed to participate in several voluntary efforts to conserve water volume in Lake Mead. In calendar year 2022, CVWD conserved 9,083 af of water that would have otherwise been used for groundwater replenishment. Over the next three calendar years, CVWD has agreed to conserve up to 105,000 af at a rate of approximately 35,000 af per year to continue this effort while still monitoring and ensuring appropriate long-term groundwater levels. The recent droughts within California and on the Colorado River basin are stark reminders of how vulnerable imported water supplies are to the forces of nature and that these supplies need to be protected and optimally used.

TURF REBATE PROGRAM

Fiscal year 2023 saw successful partnerships with several local cities to support conservation efforts. In early 2023, the Board authorized increasing turf rebate payments for conversion to desert-friendly landscaping from $2 per square foot (sqft) to $3 per sqft to support reductions in outdoor water use. In addition, drought penalties were adopted to raise awareness and reduce consumption as part of the Level 2 drought restrictions. Local cities, including Rancho Mirage, Indian Wells, and Palm Desert, established matching funds to incentivize turf replacement projects further, allowing qualified projects to receive up to $6 per sqft in rebate payments. Due to these efforts, rebates to homeowners nearly tripled from fiscal year 2022 to 2023, from 378 to 1,083, with a total of 1.7 million sqft of turf replaced with desert-friendly landscape. Large landscape customers replaced an additional 2.3 million sqft in fiscal year 2023. The combined total from turf conversion will result in approximately 6,700 af of water saved over a ten-year period. Revenue received from drought penalties was the primary source of funding for the District's portion of rebate payments. While the rebate amount has been reduced to $2 per sqft for fiscal year 2024, the converted turf will continue to provide permanent reductions in consumption for future years.

LOANS AND GRANTS

Funding large capital projects with low-cost loans and grants continues to be a priority for the District. In fiscal year 2023, CVWD secured a $60.9 million loan from USBR to fund irrigation lateral and box structure replacements for the Canal fund. The District also secured $7.5 million from USBR to fund the Mid-Canal Storage project, which is being completed in partnership with the San Diego County Water Authority and the San Luis Rey Indian Water Authority. This in-line reservoir will allow storage of approximately 728 af of water to improve flow variations caused by changes in supply and demand. In addition, the District was awarded a $12.3 million Water Infrastructure Improvements for the Nation (WIIN) grant to fund non-potable water connection projects.

PENSION COSTS

The District provides retirement benefits to its employees through the California Public Employees Retirement System (CalPERS). Contributions to the system by the District and employees are made each year to provide funding for the system based on actuarial assumptions. The District's portion includes the Normal Cost and the Unfunded Actuarial Liability (UAL), which can vary over time based on investment performance and changes in the expected cost for future retirement benefits. The District, like many other agencies throughout California, has incurred a significant unfunded liability, even while paying the required contributions each year. The Board has recognized the need to manage pension costs and contributed additional funds in the past to improve the UAL percentage and reduce liability.

As part of a new funding strategy, the District's UAL payment for fiscal year 2024 is $16.7 million and sized to reduce the total number of payments by a projected 10 years to generate savings of approximately $36 million. The strategy moving forward will keep unfunded liability payments steady based on current levels as adjusted by annual payroll growth, even though the minimum required contribution is lower than current levels. This process will enable the District to accelerate funding while providing budget and rate stability.

RETIREE HEALTH BENEFITS

The District offers post-employment medical benefits, with benefits and employee/employer contributions based on years of service, hire date, and date of retirement. In fiscal year 2014, the District established an OPEB Trust Fund to reduce the actuarial accrued OPEB liability. For fiscal year 2024, the District is implementing a plan to utilize OPEB trust funds to pay for retiree healthcare costs net of the annual required contribution (ARC) since the trust has reached a fully funded status, resulting in expenditure savings of approximately $1 million.

LEGAL CLAIM CONTINGENCY ACCRUAL

Fiscal year 2023 year-end numbers include $46.7 million for a legal claim contingency accrual based on ongoing litigation involving rates. This entry is a requirement under Generally Accepted Accounting Principles (GAAP) and is also presented in the budget document for consistency. Although this amount is an estimate and reflects only a potential liability based on the current litigation status, it is presented to give an overall potential impact on ending reserves for fiscal year 2023. The District is appealing the adverse trial court decision and believes the basis of its appeal is well-founded. Amounts are included in the Canal, West Replenishment, Mission Creek Replenishment, and East Replenishment funds.

COST OF SERVICE STUDIES

The District completed comprehensive Cost of Service Studies (COSS) for the Canal; West Replenishment, East Replenishment, and Mission Creek Replenishment; and Domestic Water funds in fiscal year 2021 and the Sanitation fund in fiscal year 2022. The studies allow for the development of a sustainable five-year financial plan and rate structure that can meet the overall financial needs of the District while maintaining affordability and equitable distribution of costs. Maximum rates are established for five years, with the Board having the discretion to adopt rates below the recommended maximum in any given year.

During budget development for fiscal year 2024, the Board approved the recommended fiscal year 2024 COSS rates for the Sanitation fund with an approximate 8.5% increase, as well as a 5.5% increase in Domestic rates. After reviewing prior year performance and projected year-end revenues for fiscal year 2023, the Board elected to adopt no increases for Replenishment and Canal water rates for fiscal year 2024.

A summary of the adopted and proposed COSS rates is included below.

Comparison of Rates	FY 2023 Rate	Monthly Charge	FY 2024 Adopted Rate	Monthly Charge	FY 2024 COSS Rate	Monthly Charge
Domestic Water Residential Customer						
Monthly Fixed Charge - 3/4 Inch Meter	$ 12.65	$ 12.65	$ 13.35	$ 13.35	$ 15.12	$ 15.12
Tier 1 Consumption Rate (8 CCF)	0.94	7.52	0.99	7.92	1.12	8.96
Tier 2 Consumption Rate (12 CCF)	1.17	14.04	1.23	14.76	1.40	16.80
Total Monthly Water Charge		**$ 34.21**		**$ 36.03**		**$ 40.88**
Sanitation Residential Customer						
Residential Fixed Account Charge	$ 1.58	$ 1.58	$ 1.69	$ 1.69	$ 1.69	$ 1.69
Equivalent Sewer Unit (ESU)	23.04	23.04	27.10	27.10	27.10	27.10
Total Monthly Sanitation Charge		**$ 24.62**		**$ 28.79**		**$ 28.79**
Replenishment - Per Acre-Foot (AF)						
West Whitewater Replenishment	$ 165.37	-	$ 165.37	-	$ 238.14	-
East Whitewater Replenishment	72.27	-	72.27	-	81.51	-
Mission Creek Replenishment	135.52	-	135.52	-	135.52	-
Canal (Per AF/Occurrence)						
Irrigation Water Commodity Charge	$ 34.32	-	$ 34.32	-	$ 36.13	-
Water Supply Surcharge	67.80	-	67.80	-	71.37	-
Construction Water Commodity Charge	51.33	-	51.33	-	55.52	-
Quagga Mussel Surcharge	3.63	-	3.63	-	4.15	-
Outside ID-1 Surcharge ($/acre/month)	4.17	-	4.17	-	4.43	-
Oasis Surcharge	59.26	-	59.26	-	59.26	-
Scheduled Gate Visits	23.53	-	23.53	-	27.97	-
Unscheduled Gate Visits	47.07	-	47.07	-	55.95	-

CONCLUSION

I would like to thank all the departments and staff who worked to provide this year's budget. A special note of thanks should go to the Finance Department for their diligence in gathering, analyzing, and preparing this financial plan.

Respectfully submitted,



JIM BARRETT
General Manager

OVERVIEW



ABOUT THE COMMUNITY

The Coachella Valley (Valley) has nine diverse cities: Palm Springs, Cathedral City, Palm Desert, Rancho Mirage, Indian Wells, La Quinta, Desert Hot Springs, Indio, and Coachella, as well as portions of unincorporated Riverside County that have their unique histories and personalities. The Valley is an alluring destination for both residents and tourists alike with year-round sunshine, and a variety of cultural activities. Golf courses, sensory spa treatments, excellent dining options, natural beauty, and exciting nightlife combine to make the ultimate resort experience. The Valley is more than a destination, it has a distinct vibe and lifestyle.

The Valley is part of the Colorado Desert, a desert in Southern California extending approximately 45 miles in Riverside County, southeast from the San Bernardino Mountains to the northern shore of the Salton Sea. It is approximately 15 miles wide along most of its length and is surrounded by scenic, rugged mountains. To the north is Mount San Gorgonio; on the north and the east, the Little San Bernardino Mountains; to the west, the San Jacinto Mountains; to the south, the Santa Rosa Mountains; and to the east in the distance, the Chocolate Mountains. The elevations on the Valley floor range from 1,600 feet at the north end of the Valley, to 250 feet below sea level at the south end of the Valley. The southern segment of the San Andreas Fault crosses the Valley beginning near Bombay Beach, on the Salton Sea, and runs along the southern base of the San Bernardino Mountains. The fault is easily visible on the northern side of the Valley, as a strip of greenery against an otherwise bare mountain. Because of this fault, the Valley has many hot springs. Fault lines cause hot water springs or geysers to rise from the ground. These natural water sources made habitation and development possible in the otherwise inhospitable desert of the Coachella Valley.



Aerial View of part of El Paseo Shopping District in Palm Desert, CA

COACHELLA VALLEY WATER DISTRICT BOUNDARY MAP



ATTRACTIONS

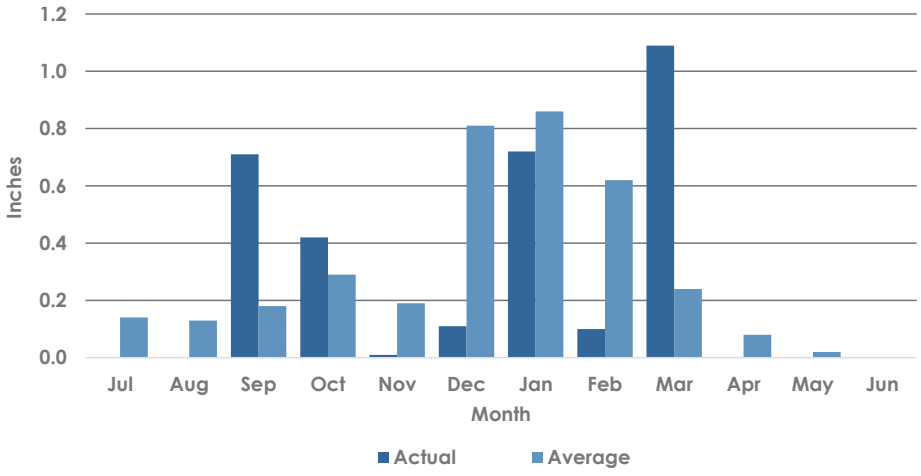
With more than 350 days of sunshine per year and the warmest winters in the western US, the Valley is recognized as the golf, tennis, and polo capital of the West. Recreational hiking and horseback riding are popular in the many accessible canyon and mountain areas. The Valley draws a significant number of leisure travelers with its variety of attractions and special events:

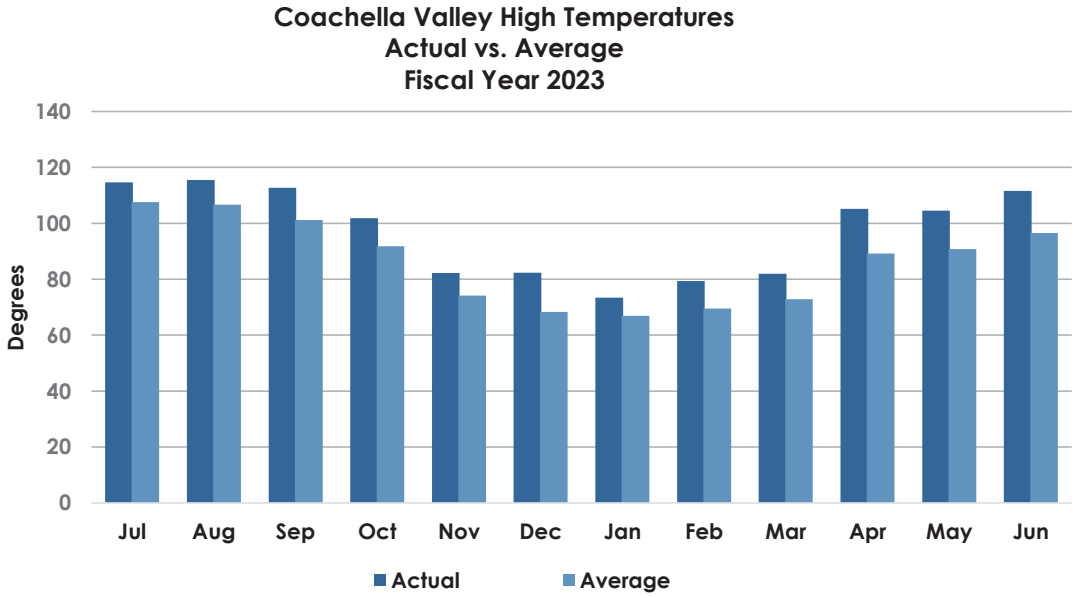
Acrisure Arena (Concerts, Firebirds Hockey games)
Agua Caliente Cultural Museum
American Documentary Film Festival
BNP Paribas Open Tennis Tournament
Casinos
Cinema Diverse LGBTQ Film Festival
Coachella Valley Music and Arts Festival
Coachella Valley Wildflower Festival
College of the Desert Street Fair (Sat-Sun)
Fashion Week at El Paseo
Indio International Tamale Festival
Joshua Tree Music Festival
Joshua Tree National Park
La Quinta Art Celebration
Living Desert Zoo and Botanical Garden
McCallum Theatre
Modernism Week
Native FilmFest
Palm Desert Food & Wine Festival
Palm Desert Golf Cart Parade
Palm Springs Aerial Tramway
Palm Springs Air Museum
Palm Springs Art Museum
Palm Springs Cultural Center
Palm Springs Certified Farmers Market
Palm Springs International Film Festival
Palm Springs International ShortFest
Palm Springs Pride
PGA: The American Express, a PGA Tour Event
Rancho Mirage Observatory
Riverside County Fair and National Date Festival
Santa Rosa and San Jacinto Mountains National Monument
Southwest Arts Festival
Splash House
Stagecoach Music Festival
The Desert Circuit Horse Show
Tour de Palm Springs
VillageFest (Thursdays)
White Party

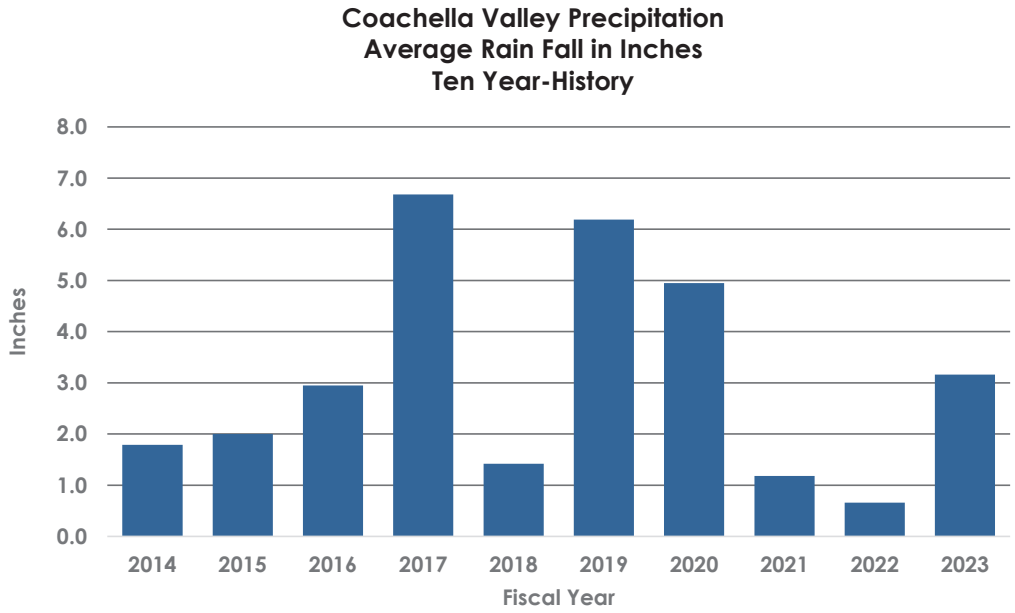
WEATHER

The mountains surrounding the Coachella Valley not only add to the desert's beauty but also create a "rain shadow", which blocks weather systems that move through Southern California. It can often be raining 20 miles to the west, while the sun is shining over the Coachella Valley. Rainfall for the fiscal year was below the average of 3.57 inches, at 3.16 inches. The actual high-temperature average of 97.1 degrees exceeded the average high temperature of 86.3 degrees and exceeded the average in all twelve months in fiscal year 2023.

Coachella Valley Precipitation
Actual vs. Average
Fiscal Year 2023







ECONOMIC INDICATORS

The Coachella Valley has a seasonal economy, with the majority of festivals, tournaments, and events happening in the most temperate months of the year from January through April. Cancellation of major activities due to the Coronavirus pandemic (COVID-19) had a dramatic impact on the Valley economy in 2020 and the first part of 2021, although most events made their normal return in late 2021 and 2022.

TOURISM: Tourism is the Valley's largest industry, employs the most workers, and is the number one contributor to the local economy. According to a 2022 Tourism Economics study commissioned by the Greater Palm Springs Convention and Visitors Bureau (CVB), tourism sustains over 49,000 jobs and infuses more than $7 billion into the local economy. Approximately 24% of total employment, or 1 in every 4 jobs, is sustained by the tourism industry.

The hospitality industry boasts over 200 resorts and hotels throughout the Valley, with over 6,000 vacation home rentals. Spending on lodging totaled nearly $2.2 billion in 2022.



Coachella Valley corn

RETAIL: Retail sales contribute to the Valley's economic base in that a significant source of the spending is money brought to the area by winter residents, tourists, and convention goers. Taxable per capita retail sales are a strong measurement of a geographic area's wealth. This measure represents the portion of tax revenue a government can spend on services for its residents.

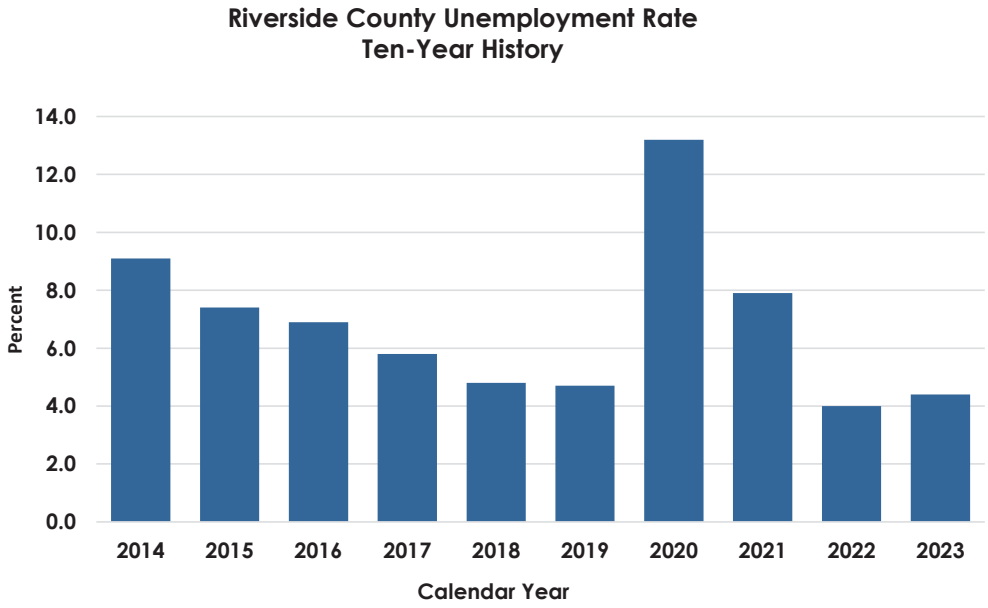
GOLF: Golf facilities contribute to the economic strength of the Coachella Valley. Tourism Economics completed a study in 2015 to estimate the benefits of the golf industry to the Coachella Valley. It was determined that the region's 122 golf courses, which represent roughly 13.9% of California's golf industry, generate an estimated $745 million in golf-related spending and directly employ over 8,000 workers. An additional $7.2 million is generated by golf tournament organizational and media expenditures.

The Coachella Valley has less than one percent of Southern California's population, yet has approximately 28 percent of its golf courses. The courses work with the District on ways to conserve water and are proactive in reducing their water consumption.

CROP PRODUCTION: Irrigation of over 77,176 acres of the Valley using Colorado River water, delivered via the Coachella Canal, has allowed widespread agriculture to flourish. Current crop production for calendar year 2021, listed in CVWD's annual Agriculture Report, is valued at close to $575 million with an average gross value per acre of over $9,727. The most lucrative crops are dates, grapes, bell peppers, and lemons/limes. California is the leading date-growing state, producing 90% of the nation's total. Most of that production takes place here in the Valley.

EMPLOYMENT: The Unemployment rate in Riverside County hit a low of 3.8% in December 2019, to a peak of 16% in April 2020. The rate as of May 2023 is 4.4%, which is a dramatic improvement since the height of the pandemic.

HOUSING PRICES: The Riverside County single-family median home price is $589,000 as of June 2023, a 2.6% decrease from the prior year. Higher interest rates as part of the Federal Reserve's policy decision to increase rates to reduce inflation has slowed the real estate market, however; assessed value growth remains strong at over 8.6% for FY 2023.



COACHELLA VALLEY CITY PROFILES

The Coachella Valley is comprised of the cities of Cathedral City, Coachella, Desert Hot Springs, Indian Wells, Indio, La Quinta, Palm Desert, Palm Springs, Rancho Mirage, and several unincorporated areas, which include Bermuda Dunes, Bombay Beach, Indio Hills, Mecca, Oasis, Salton City, Sky Valley, Thermal, and Thousand Palms. The table on the next page shows population, housing, and income data for the Valley's cities and unincorporated Census Defined Places (CDP).

The Coachella Valley experiences seasonal population changes, increasing during the fall, winter, and spring months, which are not included in the data table. The seasonal population is due to a large number of second or vacation homes and increases the Valley's population by an estimated 20%.

POPULATION: The Coachella Valley has some of the highest growth rates in Riverside County and California. Among the cities, Desert Hot Springs, Indio, and Coachella are leading the way in growth over the past 10 years. Desert Hot Springs saw the largest growth rate at 29.6%, followed by Indio at 22.2%, and Coachella at 10.4%.



Aerial view of Rancho Mirage, CA

Category	Cathedral City	Coachella	Desert Hot Springs	Indian Wells	Indio	La Quinta
Population						
Population	51,836	42,123	31,988	4,827	88,542	37,846
Population Growth since 2010	2.4%	10.4%	29.6%	-0.6%	22.2%	6.1%
Housing						
Owner-occupied housing unit rate	50.5%	69.3%	41.4%	36.3%	60.9%	45.6%
Median value owner-occupied	$325,200	$262,200	$231,500	$750,700	$311,700	$453,600
Gender						
Female	48.8%	51.1%	50.3%	52.8%	50.7%	49.1%
Male	51.2%	48.9%	49.7%	47.2%	49.3%	50.9%
Age						
Under 18 years	21.5%	19.7%	26.7%	5.4%	20.9%	18.7%
65 years and over	17.3%	10.1%	13.3%	56.3%	19.6%	29.1%
Education						
High school graduate or higher	78.6%	59.8%	77.3%	98.0%	80.3%	91.5%
Bachelor's degree or higher	24.1%	4.3%	14.5%	54.8%	18.2%	35.0%
Income						
Median household income	$56,671	$40,688	$37,924	$120,680	$59,399	$83,412

Category	Palm Desert	Palm Springs	Rancho Mirage	Bermuda Dunes (CDP)	Bombay Beach (CDP)	Indio Hills (CDP)
Population						
Population	51,081	44,799	17,129	6,862	210	565
Population Growth since 2010	5.2%	-0.5%	2.4%	-0.2%	-30.0%	-59.4%
Housing						
Owner-occupied housing unit rate	42.3%	41.1%	47.2%	39.0%	20.9%	92.0%
Median value owner-occupied	$381,700	$423,200	$570,400	$383,700	$44,400	$285,600
Gender						
Female	53.0%	40.1%	48.7%	56.1%	61.4%	57.5%
Male	47.0%	59.9%	51.3%	43.9%	38.6%	42.5%
Age						
Under 18 years	148.7%	8.9%	8.5%	22.8%	46.7%	36.6%
65 years and over	35.9%	32.4%	50.0%	20.4%	21.0%	9.2%
Education						
High school graduate or higher	93.1%	92.3%	93.7%	92.0%	91.1%	38.9%
Bachelor's degree or higher	38.7%	43.0%	44.3%	31.8%	0.0%	0.0%
Income						
Median household income	$67,514	$61,597	$95,158	$71,573	$23,984	$43,983

Category	Mecca (CDP)	Oasis (CDP)	Salton City (CDP)	Sky Valley (CDP)	Thermal (CDP)	Thousand Palms (CDP)
Population						
Population	4,451	2,790	4,900	2,236	1,198	8,052
Population Growth since 2010	-43.5%	-48.4%	250.0%	21.7%	-51.9%	12.1%
Housing						
Owner-occupied housing unit rate	27.5%	69.3%	74.8%	46.1%	56.5%	55.8%
Median value owner-occupied	$167,600	$42,700	$145,900	$114,200	$119,300	$206,000
Gender						
Female	49.5%	39.1%	43.9%	47.3%	79.1%	48.5%
Male	50.5%	60.9%	56.1%	52.7%	20.9%	51.5%
Age						
Under 18 years	9.8%	21.2%	12.8%	13.7%	17.9%	27.1%
65 years and over	14.6%	9.5%	22.8%	32.2%	21.9%	21.1%
Education						
High school graduate or higher	31.5%	17.0%	70.5%	87.7%	21.2%	82.6%
Bachelor's degree or higher	0.0%	3.1%	5.0%	22.4%	0.0%	19.6%
Income						
Median household income	$25,202	$20,598	$29,937	$37,714	$14,500	$56,055

Data includes regional Cities and Census Defined Places (CDP)

Source: US Census Bureau 2021 American Community Survey (ACS)

ABOUT THE COACHELLA VALLEY WATER DISTRICT

District Governance

Coachella Valley Water District (CVWD, District) is a special district established by the state legislature and governed by a five-member Board of Directors (Board) elected to four-year terms by District voters. Terms of office are staggered, and elections are held every two years, for two or three of the five Board members.

Board of Directors	Division	Term Expiration
John Powell, Jr., President	Division 3	December 2026
Cástulo R. Estrada, Vice President	Division 5	December 2026
John Aguilar	Division 1	December 2026
Anthony Bianco	Division 2	December 2024
Peter Nelson	Division 4	December 2024

Each director represents a division of the District and is elected by the voters within their division. To run, candidates for the Board must reside within the boundaries of the division they wish to represent.

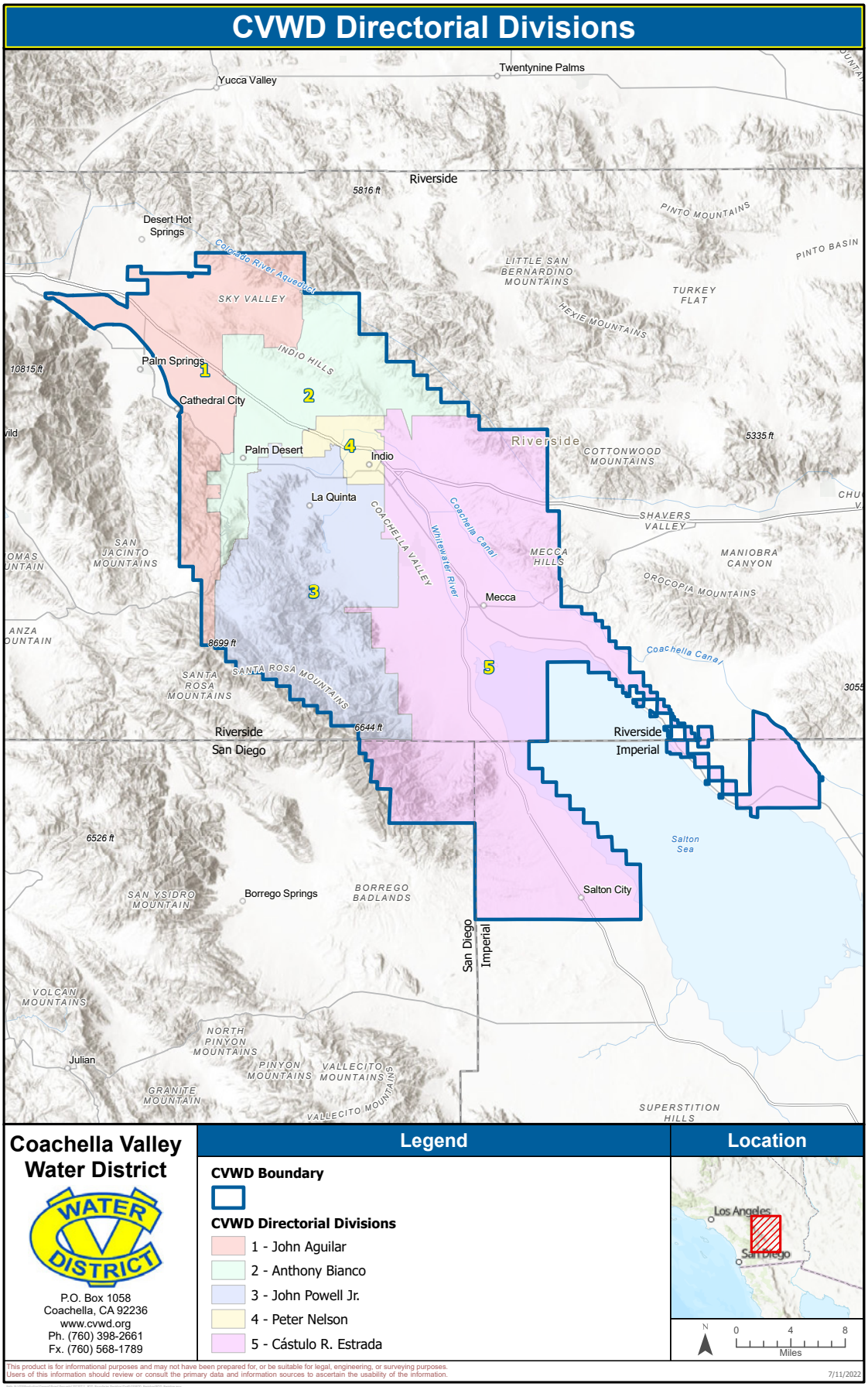
Division boundaries are overall equal in population and take into consideration geography, cohesiveness, and communities of interest, among other criteria. A directional boundary map showing the boundaries is on the following page.

The Board is the policy-making body of the District and represents the interests of the division which they represent. By a majority vote, the Board may enact and enforce ordinances, and pass resolutions necessary for the operation of the District's business. The District plays a vital role in water resource management in Southern California and the Lower Colorado River Basin.

The District must work collectively and effectively with state and federal agencies, numerous local jurisdictions, and other water purveyors to fulfill this role. Board members actively serve in leadership positions for several intergovernmental agencies and associations that further the interests of the District. Numerous policies are regulated by several state and federal agencies, including the State Water Resources Control Board (SWRCB), the Environmental Protection Agency (EPA), the U.S. Bureau of Reclamation (USBR), and the U.S. Bureau of Land Management (BLM). The Public Utilities Commission (PUC) does not regulate the District since CVWD is a government agency and not a private company.



Steve Robbins Administration Building Lobby


CVWD Directorial Divisions
Twentynine Palms
Yucca Valley
Riverside
5816 ft
Desert Hot Springs
PINTO MOUNTAINS
PINTO BASIN
Colorado River Aqueduct
LITTLE SAN BERNARDINO MOUNTAINS
SKY VALLEY
TURKEY FLAT
HEXIE MOUNTAINS
INDIO HILLS
10815 ft
Palm Springs
1
2
Cathedral City
Palm Desert
4
Indio
Riverside
COTTONWOOD MOUNTAINS
5335 ft
La Quinta
COACHELLA VALLEY
Coachella Canal
Whitewater River
SHAVERS VALLEY
SAN JACINTO MOUNTAINS
MECCA HILLS
MANIOBRA CANYON
OROCOPIA MOUNTAINS
3
Mecca
8699 ft
SANTA ROSA MOUNTAINS
5
Coachella Canal
6644 ft
Riverside
San Diego
Riverside
Imperial
Salton Sea
6526 ft
SAN YSIDRO MOUNTAIN
Borrego Springs
BORREGO BADLANDS
Salton City
San Diego
Imperial
VOLCAN MOUNTAINS
NORTH PINYON MOUNTAINS
Julian
PINYON MOUNTAINS
VALLECITO MOUNTAINS
GRANITE MOUNTAIN
VALLECITO MOUNTAIN
SUPERSTITION HILLS
Coachella Valley Water District
WATER DISTRICT
P.O. Box 1058
Coachella, CA 92236
www.cvwd.org
Ph. (760) 398-2661
Fx. (760) 568-1789
Legend
CVWD Boundary
CVWD Directorial Divisions
1 - John Aguilar
2 - Anthony Bianco
3 - John Powell Jr.
4 - Peter Nelson
5 - Cástulo R. Estrada
Location
Los Angeles
San Diego
N
0
4
8
Miles
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Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.
7/11/2022

COACHELLA VALLEY WATER DISTRICT IS A MULTIFACETED AGENCY

The District provides a variety of water-related utility services to a majority of the people in the Valley.

DOMESTIC WATER: The District provides drinking water to 270,000 people in the Valley. All domestic water is supplied from one of the District's 94 active wells. To ensure water supplies remain sustainable, the District implemented various initiatives, including, securing additional water resources, banking unused resources, water conservation programs, tiered rates, water-use restrictions, and recycling water. Since July 2020, CVWD has invested over $19.5 million to fund rebates and incentive programs that support permanent reductions in water use.

SANITATION: Coachella Valley Water District treats 6.2 billion gallons of wastewater and recycles about 5.5 billion gallons of wastewater each year, subjecting it to an advanced multi-step process that filters out solids, organic materials, chemicals, and germs. The District currently owns and operates 1,170 miles of wastewater collection system piping. At two of the District's five wastewater reclamation plants (WRPs), the treated reclaimed or nonpotable water is then delivered to customers that use it for outdoor irrigation. Increasing the supply and use of recycled water is a key component of CVWD's long-range water management plans.

NONPOTABLE WATER: The Valley is home to more than 124 golf courses. While the amount of wastewater that is recycled cannot meet the total year-round irrigation needs of all courses, the District blends Colorado River water at the wastewater reclamation plant in Palm Desert to increase the available supply of nonpotable water for golf courses and reduce demand on the aquifer.

Currently, there are 36 golf courses within CVWD boundaries using all Colorado River water and 17.5 golf courses using a blend of recycled and Colorado River water for irrigation. The District is working with 41 additional golf courses to switch from groundwater to nonpotable supplies in the future.

CANAL WATER: The District provides water to 77,121 irrigable acres for service of farmland in the Valley. The 123-mile Coachella Canal provides Colorado River water to local farmers, which has helped transform the Coachella Valley into California's third-largest agricultural region. Although geographically the Valley is in the northwestern portion of the Sonoran Desert, irrigation allows widespread agriculture. Crop values were approximately $575 million.

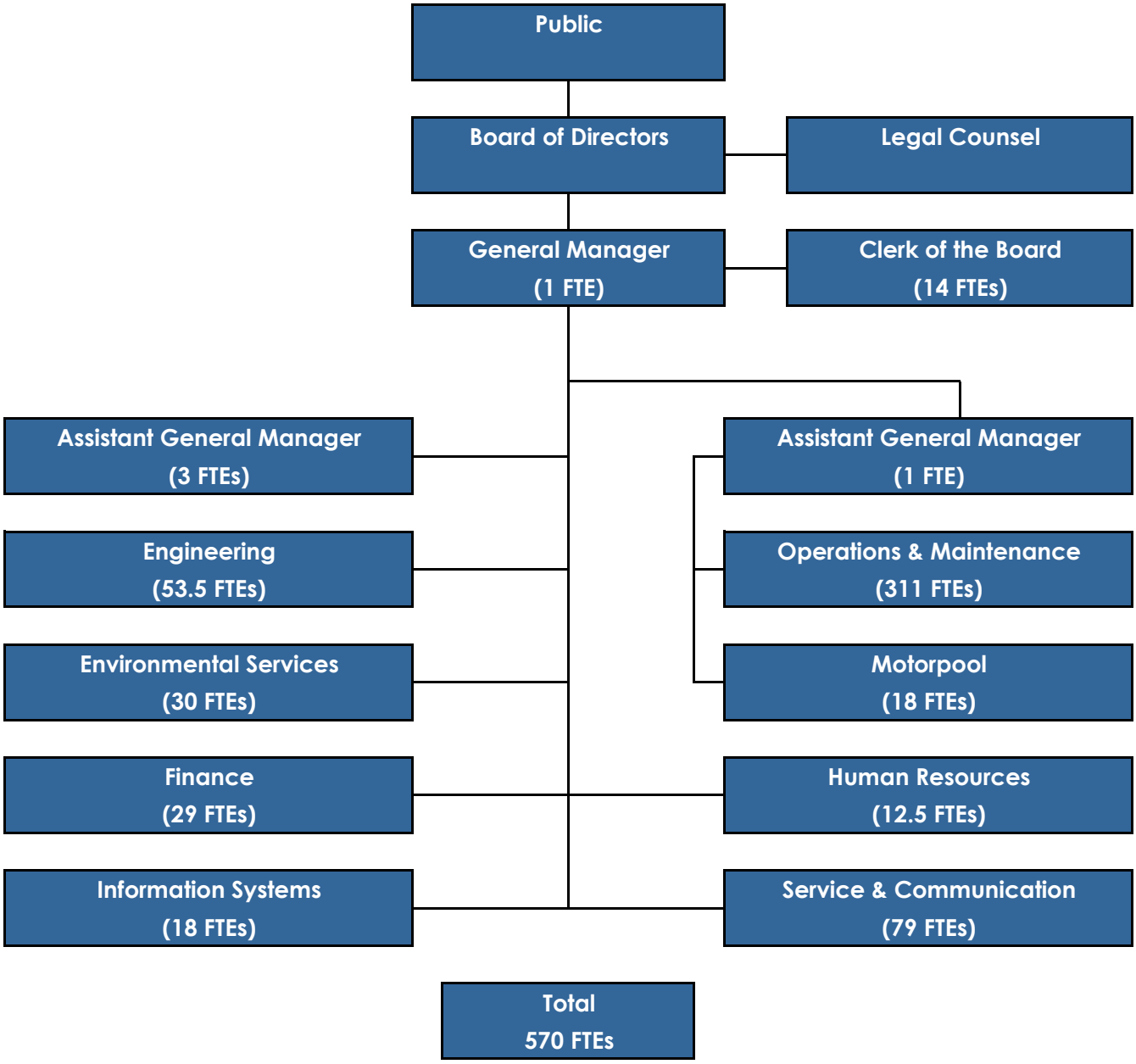
Canal water is also used to replenish the aquifer.

STORMWATER: The Coachella Valley averages about three inches of rain per year, however, the surrounding mountains are subject to much higher rainfall rates which can produce unpredictable, damaging, and even deadly flash flooding events throughout the Valley. CVWD is responsible for much of the region's stormwater protection, helping to prevent loss of life and extensive property damage. The District protects 590 square miles from flooding. Within CVWD's boundaries, there are 18 stormwater protection channels. The entire system includes approximately 169 miles of channels built along the natural alignment of dry creeks that flow from the surrounding mountains into the Whitewater River.

GROUNDWATER REPLENISHMENT: The District is committed to the long-term health of the aquifer which goes back to CVWD's formation in 1918 when one of its priorities was to design facilities at Whitewater to capture the natural runoff from the mountains. All of the drinking water supplied by CVWD comes from the groundwater basin or aquifer. To alleviate groundwater overdraft, CVWD, along with Desert Water Agency (DWA), oversee four active groundwater replenishment facilities and percolate imported water back into the aquifer.

DISTRICT MANAGEMENT

The General Manager and legal counsel are appointed by and report to the Board of Directors. The General Manager's administrative responsibilities include two Assistant General Managers, the Clerk of the Board, and eight departments: Administration, Engineering, Environmental Services, Finance, Human Resources, Information Systems, Operations & Maintenance, and Service & Communication. The organization chart below depicts the District's management along with the number of full-time employees (FTEs) in each department.



Authorized Position Listing - Fiscal Years 2021 through 2024

Description	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2024 Change
ADMINISTRATION					
GM Administration					
General Manager	1.00	1.00	1.00	1.00	-
Assistant General Manager	1.00	1.00	1.00	1.00	-
Assistant General Manager, Operations & Maintenance	1.00	1.00	1.00	1.00	-
Executive Program Administrator	-	-	-	1.00	1.00
Water Program Manager	1.00	-	-	-	-
Financial Analyst II	-	1.00	1.00	1.00	-
Clerk of The Board					
Clerk Of The Board	1.00	1.00	1.00	1.00	-
Executive Assistant	1.00	1.00	1.00	1.00	-
Deputy Clerk Of The Board	1.00	1.00	1.00	1.00	-
Administrative Assistant II	-	1.00	1.00	1.00	-
Administrative Assistant I	2.00	1.00	1.00	1.00	-
Office Assistant I	1.00	1.00	1.00	1.00	-
Administrative Services					
Administrative Services Manager	1.00	-	-	-	-
Records Manager	-	1.00	1.00	1.00	-
Assistant Records Supervisor	1.00	1.00	1.00	1.00	-
Office Assistant II	1.00	1.00	1.00	1.00	-
Records Clerk II	3.00	3.00	3.00	3.00	-
Records Clerk I	1.00	1.00	1.00	1.00	-
Switchboard Operator/Receptionist	1.00	1.00	-	-	-
Office Assistant I-II	-	-	1.00	1.00	-
Total Administration	**18.00**	**18.00**	**18.00**	**19.00**	**1.00**
ENGINEERING					
Administration					
Director of Engineering	1.00	1.00	1.00	1.00	-
Supervising Management Analyst	1.00	1.00	1.00	1.00	-
Administrative Assistant I	2.00	2.50	2.00	2.00	-
Engineering Aide III	-	1.00	1.00	1.00	-
Stormwater/Irrigation					
Engineering Manager	1.00	1.00	1.00	1.00	-
Sr. Stormwater Engineer	1.00	1.00	1.00	1.00	-
Associate Stormwater Engineer	2.00	1.00	1.00	1.00	-
Assistant Stormwater Engineer	-	1.00	1.00	1.00	-
Sr. Irrigation Engineer	1.00	1.00	1.00	-	(1.00)
Associate Irrigation Engineer	1.00	1.00	1.00	1.00	-
Assistant Irrigation Engineer	1.00	1.00	1.00	2.00	1.00
Domestic Water/General District					
Engineering Manager	1.00	1.00	1.00	1.00	-
Sr. Domestic Water Engineer	2.00	2.00	2.00	2.00	-
Associate Domestic Water Engineer	1.00	2.00	2.00	2.00	-
Assistant Domestic Water Engineer	3.00	2.00	2.00	2.00	-

Authorized Position Listing - Fiscal Years 2021 through 2024

Description	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2024 Change
Sanitation/Nonpotable Water/Electrical					
Engineering Manager	1.00	1.00	1.00	1.00	-
Sr. Supervising Sanitation Engineer	1.00	1.00	1.00	-	(1.00)
Sr. Nonpotable Water / Sanitation Engineer	1.00	1.00	1.00	-	(1.00)
Sr. Sanitation Engineer	2.00	2.00	1.00	2.00	1.00
Assistant Sanitation Engineer	-	-	1.00	2.00	1.00
Sr. Supervising Electrical & Energy Engineer	-	1.00	1.00	-	(1.00)
Sr. Electrical & Energy Engineer	1.00	-	-	1.00	1.00
Associate Electrical & Energy Engineer	2.00	1.00	1.00	1.00	-
Assistant Electrical & Energy Engineer	-	1.00	1.00	1.00	-
Engineering Services					
Assistant Director of Planning Development	1.00	-	-	-	-
Assistant Director of Engineering-Services & Planning	-	1.00	1.00	1.00	-
Construction Inspection					
Chief Inspector	1.00	1.00	1.00	1.00	-
O & M Scheduler I	-	-	1.00	1.00	-
Lead Construction Inspector II	1.00	1.00	1.00	2.00	1.00
Construction Inspector II	3.00	3.00	2.00	1.00	(1.00)
Construction Inspector I	-	-	-	1.00	1.00
Construction Inspector Trainee	4.00	4.00	4.00	2.50	(1.50)
Development Services					
Development Services Supervisor	1.00	1.00	1.00	1.00	-
Development Services Technician II	3.00	3.00	2.00	2.00	-
Development Services Technician I	-	-	2.00	2.00	-
Development Services Aide	1.00	1.00	-	-	-
Utility Coordinator	-	1.00	1.00	1.00	-
Engineering Technician II	-	1.00	1.00	1.00	-
Right-of-Way					
Right-of-Way Supervisor	1.00	1.00	1.00	1.00	-
Right-of-Way Assistant	2.00	2.00	2.00	2.00	-
Survey/Mapping					
Chief Surveyor	1.00	1.00	1.00	1.00	-
Assistant Chief Surveyor	1.00	1.00	1.00	1.00	-
Survey Party Chief	1.00	1.00	1.00	1.00	-
CAD Systems Specialist	-	1.00	1.00	1.00	-
Engineering Technician II	-	1.00	1.00	1.00	-
Engineering Aide III	1.00	1.00	1.00	1.00	-
GIS Specialist I	-	-	0.50	1.00	0.50
Technical Services 1					
Technical Services Supervisor	1.00	-	-	-	-
Utility Coordinator	1.00	-	-	-	-
Engineering Technician II	2.00	-	-	-	-
CAD Systems Specialist	1.00	-	-	-	-
Engineering Aide III	1.00	-	-	-	-
Total Engineering	**54.00**	**53.50**	**53.50**	**53.50**	**-**

Authorized Position Listing - Fiscal Years 2021 through 2024

Description	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2024 Change
ENVIRONMENTAL SERVICES					
Administration					
Director of Environmental Services	1.00	1.00	1.00	1.00	-
Water Resources Manager	1.00	1.00	1.00	1.00	-
Water Resources Associate	-	-	-	1.00	1.00
Environmental					
Environmental Supervisor	1.00	1.00	1.00	1.00	-
Environmental Safety Specialist	1.00	1.00	1.00	1.00	-
Environmental Specialist	1.00	1.00	1.00	1.00	-
Associate Biologist	1.00	1.00	1.00	1.00	-
Water Quality					
Water Quality Supervisor	1.00	1.00	1.00	1.00	-
Environmental Services Specialist	1.00	1.00	1.00	1.00	-
Environmental Services Coordinator	1.00	1.00	1.00	1.00	-
Environmental Services Aide I	1.00	1.00	1.00	1.00	-
Laboratory					
Laboratory Director	1.00	2.00	1.00	1.00	-
Chemist	2.00	2.00	2.00	2.00	-
Water Quality Analyst II	1.00	2.00	1.00	1.00	-
Water Quality Analyst I	1.00	1.00	1.00	1.00	-
Laboratory Aide I	1.00	1.00	1.00	1.00	-
Monitoring					
Water Resources Coordinator	1.00	1.00	1.00	1.00	-
Environmental Services Technician	2.00	2.00	1.00	1.00	-
Environmental Services Aide III	-	-	1.00	1.00	-
Environmental Services Aide II	1.00	1.00	2.00	2.00	-
Environmental Services Aide I	1.50	-	1.00	1.00	-
Source Control					
Environmental Compliance Inspector II - Lead	1.00	-	-	-	-
Source Control Coordinator	-	1.00	1.00	1.00	-
Environmental Compliance Inspector I	1.00	2.00	2.00	2.00	-
Environmental Compliance Aide	1.00	-	-	-	-
Water Resources					
Water Resources Supervisor	-	1.00	1.00	1.00	-
Water Resources Associate	1.00	1.00	1.00	-	(1.00)
Environmental Services Specialist	1.00	-	1.00	1.00	-
Environmental Services Coordinator	1.00	1.00	1.00	1.00	-
Environmental Services Technician	1.00	1.00	1.00	1.00	-
Total Environmental Services	**28.50**	**29.00**	**30.00**	**30.00**	**-**
FINANCE					
Administration					
Director of Finance	1.00	1.00	1.00	1.00	-
Administrative Assistant	1.00	1.00	1.00	1.00	-

Authorized Position Listing - Fiscal Years 2021 through 2024

Description	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2024 Change
Accounting					
Controller	1.00	1.00	1.00	1.00	-
Finance Manager	-	1.00	1.00	-	(1.00)
Accounting Supervisor	-	-	-	1.00	1.00
Accountant, Senior	1.00	1.00	1.00	-	(1.00)
Accountant	2.00	1.00	1.00	2.00	1.00
Accounting Technician II	2.00	2.00	2.00	4.00	2.00
Accounting Technician I	4.00	4.00	4.00	2.00	(2.00)
Budget & Financing					
Finance Manager	-	1.00	1.00	1.00	-
Budget Manager	1.00	-	-	-	-
Financial Analyst III	2.00	1.00	-	1.00	1.00
Financial Analyst II	1.00	2.00	3.00	2.00	(1.00)
Financial Analyst I	1.00	1.00	1.00	1.00	-
Procurement & Contracts/ Warehouse					
Procurement & Contracts Manager	1.00	1.00	1.00	1.00	-
Contracts Administrator	1.00	1.00	1.00	1.00	-
Purchasing Technician I	3.00	3.00	3.00	3.00	-
Warehouse Supervisor	1.00	1.00	1.00	1.00	-
Senior Storekeeper (Lead)	1.00	1.00	1.00	1.00	-
Storekeeper III	1.00	1.00	1.00	-	(1.00)
Storekeeper	3.00	3.00	3.00	4.00	1.00
Accounting Technician I	1.00	1.00	1.00	1.00	-
Total Finance	**29.00**	**29.00**	**29.00**	**29.00**	**-**
HUMAN RESOURCES					
Administration					
Director of Human Resources	1.00	1.00	1.00	1.00	-
Human Resources					
Human Resources Administrator	1.00	1.00	1.00	1.00	-
Sr. Human Resources Specialist	2.00	2.00	2.00	2.00	-
Human Resources Specialist	-	-	-	1.00	1.00
HR Specialist Training and Development	-	-	1.00	1.00	-
Human Resources Office Assistant	-	-	-	0.50	0.50
Human Resources Assistant	1.00	1.00	1.00	-	(1.00)
Human Resources Assistant	0.50	0.50	0.50	-	(0.50)
Risk Management					
Risk and Safety Manager	-	-	1.00	1.00	-
Risk Manager	1.00	1.00	-	-	-
Senior Risk Management Specialist	-	-	1.00	1.00	-
Risk Management Specialist	1.00	1.00	1.00	1.00	-
Claims Manager	1.00	1.00	-	-	-
Safety					
Emergency Response Administrator	-	-	1.00	1.00	-
Safety & Training Manager	1.00	1.00	-	-	-
Safety & Training Specialist	1.00	1.00	1.00	1.00	-
Safety & Training Assistant	1.00	1.00	1.00	1.00	-
Total Human Resources	**11.50**	**11.50**	**12.50**	**12.50**	**-**

Authorized Position Listing - Fiscal Years 2021 through 2024

Description	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2024 Change
INFORMATION SYSTEMS					
Administration					
Director of Information Systems	1.00	1.00	1.00	1.00	-
Business Applications					
Business Applications Manager	1.00	1.00	1.00	1.00	-
Information Systems Analyst III	2.00	2.00	2.00	3.00	1.00
Information Systems Analyst II	2.00	2.00	2.00	5.00	3.00
GIS Specialist II	2.00	1.00	1.00	1.00	-
GIS Specialist I	-	1.00	1.00	1.00	-
Desktop Support					
Information Systems Analyst II	1.00	1.00	1.00	-	(1.00)
Information Systems Analyst I	1.00	1.00	-	-	-
Information Systems Specialist II	1.00	1.00	2.00	-	(2.00)
Network & Systems					
Network & Systems Manager	1.00	1.00	1.00	1.00	-
Information Systems Analyst III	2.00	2.00	1.00	-	(1.00)
Information Systems Analyst II	-	-	2.00	2.00	-
Senior SCADA System Analyst III	1.00	1.00	1.00	-	(1.00)
Senior Information System Analyst	-	-	-	1.00	1.00
SCADA System Analyst I	1.00	1.00	1.00	1.00	-
Information Security Analyst	1.00	1.00	1.00	1.00	-
Total Information Systems	**17.00**	**17.00**	**18.00**	**18.00**	**-**
SERVICE & COMMUNICATION					
Administration					
Director of Service and Communication	1.00	1.00	1.00	1.00	-
Government & Regional Affairs Coordinator	-	1.00	1.00	1.00	-
Management Analyst	1.00	1.00	1.00	1.00	-
Administrative Assistant I	1.00	1.00	1.00	1.00	-
Customer Billing					
Revenue Manager	1.00	1.00	1.00	1.00	-
Assistant Revenue Manager	1.00	1.00	1.00	1.00	-
Accountant	1.00	1.00	1.00	1.00	-
Accounts Receivable Technician	7.00	7.00	6.00	6.00	-
Sr. Accounts Receivable Assistant	1.00	1.00	2.00	2.00	-
Accounts Receivable Assistant	3.00	3.00	3.00	3.00	-
Customer Service					
Customer Service Supervisor	1.00	1.00	1.00	1.00	-
Customer Service Representative III	2.00	2.00	2.00	2.00	-
Customer Service Representative II	7.00	8.00	5.00	6.00	1.00
Customer Service Representative I	5.00	4.00	6.00	5.00	(1.00)
Office Assistant II	1.00	1.00	1.00	1.00	-

Authorized Position Listing - Fiscal Years 2021 through 2024

Description	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2024 Change
Meter Readers					
Meter Reader Manager	1.00	1.00	1.00	1.00	-
Meter Reader Crew Chief	2.00	2.00	2.00	2.00	-
Field Service Representative	3.00	3.00	3.00	3.00	-
Meter Reader II	4.00	4.00	5.00	5.00	-
Meter Reader I	10.00	11.00	8.00	9.00	1.00
Meter Reader Trainee	2.00	1.00	3.00	2.00	(1.00)
Sub-total Service	*55.00*	*56.00*	*55.00*	*55.00*	-
Communication Administration					
Director of Communications & Conservation	1.00	1.00	-	-	-
Administrative Assistant II	1.00	-	-	-	-
Administrative Assistant I	-	1.00	1.00	-	(1.00)
Outreach & Education					
Government Affairs Specialist	1.00	-	-	-	-
Communication Manager	-	-	1.00	1.00	-
Multimedia Specialist	1.00	1.00	1.00	1.00	-
Education Specialist	2.00	1.00	2.00	1.00	(1.00)
Education Associate	-	1.00	-	1.00	1.00
Communications Specialist	4.00	4.00	4.00	4.00	-
Communications Assistant	1.00	1.00	1.00	1.00	-
Water Management					
Conservation Manager	1.00	1.00	1.00	1.00	-
Administrative Assistant I	-	-	-	1.00	1.00
Office Assistant II	1.00	1.00	1.00	1.00	-
Water Management Supervisor	1.00	1.00	1.00	1.00	-
Water Management Specialist II (Lead)	3.00	3.00	1.00	1.00	-
Water Management Specialist I	5.00	7.00	7.00	7.00	-
Water Management Technician	3.00	1.00	1.00	1.00	-
Water Management Aide	1.00	1.00	2.00	2.00	-
Sub-total Communication	*26.00*	*25.00*	*24.00*	*24.00*	-
Total Service & Communication	***81.00***	***81.00***	***79.00***	***79.00***	***-***
OPERATIONS AND MAINTENANCE [2]					
Administration					
Assistant General Manager of Operations & Maintenance [3]	-	-	-	-	-
Management Analyst [4]	1.00	1.00	1.00	1.00	-
Asset Mgmt. Program Coordinator [4]	1.00	1.00	1.00	1.00	-
Operations & Maintenance Scheduler II	1.00	1.00	1.00	-	(1.00)
CMMS Specialist	-	-	-	1.00	1.00
Operations & Maintenance Scheduler I [4]	1.00	1.00	1.00	1.00	-
Administrative Assistant I [4]	2.00	2.00	2.00	2.00	-
Sub-total Operations & Maintenance - Administration	*6.00*	*6.00*	*6.00*	*6.00*	-

Authorized Position Listing - Fiscal Years 2021 through 2024

Description	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2024 Change
Operations & Maintenance - Domestic					
Assistant Director of Operations & Maintenance - Domestic	1.00	1.00	1.00	1.00	-
Domestic Production & Metering Systems					
Operations Manager	1.00	1.00	1.00	1.00	-
Water System Analyst	-	1.00	1.00	1.00	-
Domestic Production					
Domestic Water Supervisor	1.00	1.00	1.00	1.00	-
Date Palm Crew Chief	1.00	1.00	1.00	1.00	-
Date Palm Serviceworker III	1.00	1.00	1.00	1.00	-
Date Palm Water Quality Operator II	1.00	-	-	-	-
Date Palm Water Quality Operator I	1.00	1.00	1.00	1.00	-
Date Palm Serviceworker I	2.00	2.00	3.00	4.00	1.00
Date Palm Serviceworker Trainee	1.00	2.00	1.00	-	(1.00)
Valley Crew Chief	-	-	1.00	1.00	-
Valley Senior Serviceworker	1.00	1.00	-	-	-
Valley Water Quality Operator III	1.00	1.00	1.00	1.00	-
Valley Water Quality Operator II	2.00	2.00	2.00	2.00	-
Valley Water Treatment Operator II	1.00	1.00	-	-	-
Valley Serviceworker II	1.00	1.00	1.00	1.00	-
Valley Serviceworker I	1.00	1.00	1.00	2.00	1.00
Valley Serviceworker Trainee	-	-	1.00	-	(1.00)
La Quinta Water Treatment Crew Chief	1.00	1.00	1.00	1.00	-
La Quinta Serviceworker III	1.00	1.00	1.00	1.00	-
La Quinta Water Treatment Operator II	2.00	2.00	2.00	2.00	-
La Quinta Water Quality Operator II	1.00	1.00	1.00	1.00	-
La Quinta Serviceworker II	2.00	1.00	1.00	1.00	-
West Shores Crew Chief	1.00	1.00	1.00	1.00	-
West Shores Serviceworker III	1.00	1.00	1.00	1.00	-
West Shores Distribution Operator II	3.00	4.00	4.00	3.00	(1.00)
West Shores Distribution Operator I	2.00	1.00	1.00	1.00	-
West Shores Distribution Utility Worker III	1.00	1.00	1.00	1.00	-
West Shores Meter & Valve Tech Trainee	1.00	1.00	1.00	1.00	-
Domestic Water Serviceworker Trainee	-	-	-	1.00	1.00
Domestic Metering Systems					
Domestic Water Supervisor	1.00	1.00	1.00	1.00	-
Backflow/Cross Connection Crew Chief	1.00	1.00	1.00	1.00	-
Cross Connection Technician I	2.00	2.00	3.00	2.00	(1.00)
Cross Connection Technician II	-	-	-	1.00	1.00
Cross Connection Technician III	1.00	1.00	-	-	-
Backflow Meter & Valve Tech I	-	1.00	1.00	1.00	-
Backflow Meter & Valve Tech Trainee	-	1.00	1.00	1.00	-
Meter Repair Crew Chief	1.00	1.00	1.00	1.00	-
Meter Repair Meter & Valve Tech III	1.00	1.00	1.00	1.00	-
Meter Repair Meter & Valve Tech II	2.00	2.00	2.00	2.00	-
Meter Repair Meter & Valve Tech I	3.00	3.00	2.00	3.00	1.00
Meter Repair Meter & Valve Tech Trainee	1.00	-	1.00	-	(1.00)
PCD/Air Vac Crew Chief	1.00	1.00	1.00	1.00	-
PCD/Air Vac Meter & Valve Tech III	1.00	1.00	1.00	1.00	-
PCD/Air Vac Meter & Valve Tech II	2.00	1.00	1.00	1.00	-
PCD/Air Vac Meter & Valve Tech I	1.00	1.00	1.00	1.00	-
PCD/Air Vac Meter & Valve Tech Trainee	2.00	2.00	2.00	2.00	-

Authorized Position Listing - Fiscal Years 2021 through 2024

Description	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2024 Change
Domestic Construction & Maintenance					
Operations Manager	1.00	1.00	1.00	1.00	-
Emergency Response Administrator	1.00	1.00	-	-	-
Domestic Maintenance					
Domestic Water Supervisor	1.00	1.00	1.00	1.00	-
System Maintenance Crew Chief	1.00	1.00	1.00	1.00	-
System Maintenance Distribution Operator II	2.00	1.00	-	-	-
System Maintenance Distribution Operator I	1.00	2.00	2.00	-	(2.00)
System Maintenance Distribution Operator Trainee	1.00	1.00	1.00	3.00	2.00
System Maintenance Distribution Utility Worker II	-	-	1.00	1.00	-
Valve Repair Crew Chief	1.00	1.00	1.00	1.00	-
Valve Repair Equipment Operator I	1.00	1.00	1.00	1.00	-
Valve Repair Distribution Operator III	-	1.00	1.00	1.00	-
Valve Repair Distribution Operator II	1.00	1.00	1.00	1.00	-
Valve Repair Distribution Operator I	2.00	2.00	2.00	2.00	-
Valve Repair Distribution Operator Trainee	1.00	-	-	-	-
Hydrant Maintenance Crew Chief	1.00	1.00	1.00	1.00	-
Hydrant Maintenance Distribution Operator III	1.00	-	-	-	-
Hydrant Maintenance Distribution Operator II	-	1.00	1.00	1.00	-
Hydrant Maintenance Distribution Operator I	2.00	2.00	3.00	3.00	-
Hydrant Maintenance Distribution Operator Trainee	1.00	1.00	-	-	-
Domestic Maintenance Crew Chief	1.00	1.00	1.00	1.00	-
Domestic Maintenance Distribution Operator III	1.00	1.00	1.00	1.00	-
Domestic Maintenance Distribution Operator II	1.00	1.00	1.00	1.00	-
Domestic Maintenance Distribution Operator I	3.00	3.00	2.00	1.00	(1.00)
Domestic Maintenance Distribution Operator Trainee	-	-	1.00	2.00	1.00
Domestic Construction					
Domestic Water Supervisor	1.00	1.00	1.00	1.00	-
Leak Repair Crew Chief	1.00	1.00	1.00	1.00	-
Leak Repair Distribution Operator III	1.00	1.00	1.00	1.00	-
Leak Repair Distribution Operator II	1.00	2.00	2.00	2.00	-
Leak Repair Distribution Operator I	1.00	-	1.00	1.00	-
Leak Repair Distribution Operator Trainee	1.00	1.00	-	-	-
Leak Repair Distribution Utility Worker I	1.00	1.00	1.00	1.00	-
Service Installation Crew Chief	1.00	1.00	1.00	1.00	-
Service Installation Distribution Operator III	1.00	1.00	1.00	1.00	-
Service Installation Equipment Operator	1.00	1.00	1.00	1.00	-
Service Installation Distribution Operator I	2.00	2.00	1.00	-	(1.00)
Service Installation Distribution Operator Trainee	-	-	2.00	3.00	1.00
Service Installation Distribution Utility Worker II	1.00	1.00	-	-	-
Leak Detection Crew Chief	1.00	1.00	1.00	1.00	-
Leak Detection Meter & Valve Tech III	1.00	1.00	1.00	1.00	-
Leak Detection Meter & Valve Tech II	3.00	3.00	3.00	3.00	-
Leak Detection Meter & Valve Tech I	-	-	-	1.00	1.00
Facilities Location Technician III	2.00	2.00	2.00	2.00	-
Facilities Location Technician II	1.00	1.00	1.00	-	(1.00)
Construction Crew Chief	1.00	1.00	1.00	1.00	-
Construction Distribution Operator II	1.00	2.00	2.00	1.00	(1.00)
Construction Distribution Operator I	2.00	3.00	3.00	3.00	-
Construction Distribution Operator Trainee	2.00	-	-	1.00	1.00
Sub-total Operations & Maintenance - Domestic	*105.00*	*105.00*	*104.00*	*104.00*	*-*

Authorized Position Listing - Fiscal Years 2021 through 2024

Description	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2024 Change
Operations & Maintenance - Facilities & Maintenance					
Assistant Director of Operations & Maintenance - Facilities & Maintenance	1.00	1.00	1.00	1.00	-
Operations					
Operations Manager	1.00	1.00	1.00	1.00	-
Canal & Irrigation Distribution					
Canal & Irrigation Distribution Supervisor	1.00	1.00	1.00	1.00	-
Irrigation Distribution Supervisor	1.00	-	-	-	-
Canal Crew Chief	1.00	1.00	1.00	1.00	-
Irrigation Distribution Crew Chief	1.00	1.00	1.00	1.00	-
Meter Repair Worker I	-	1.00	1.00	-	(1.00)
Meter Repair Worker II	1.00	-	-	1.00	1.00
Irrigation Utility Worker II	1.00	2.00	1.00	2.00	1.00
Irrigation Utility Worker I	5.00	3.00	2.00	5.00	3.00
Irrigation System Worker III	1.00	1.00	1.00	1.00	-
Irrigation System Worker II	2.00	3.00	3.00	4.00	1.00
Irrigation System Worker I	5.00	4.00	6.00	1.00	(5.00)
Facilities Maintenance					
Facilities Maintenance Supervisor	1.00	1.00	1.00	1.00	-
Facilities Maintenance Crew Chief	1.00	1.00	1.00	-	(1.00)
Senior Facilities Worker	1.00	1.00	1.00	1.00	-
Facilities Worker	4.00	4.00	4.00	5.00	1.00
Zanjeros					
Zanjero Supervisor	1.00	-	1.00	-	(1.00)
Zanjero Crew Chief	1.00	2.00	1.00	2.00	1.00
Zanjero III	3.00	4.00	3.00	3.00	-
Zanjero II	5.00	2.00	1.00	1.00	-
Zanjero I	3.00	1.00	1.00	3.00	2.00
Zanjero Trainee	3.00	8.00	10.00	8.00	(2.00)
Irrigation Technician	1.00	1.00	1.00	1.00	-
Department Aide/Crop Reporter	1.00	1.00	1.00	1.00	-
Building Maintenance					
Building Maintenance Supervisor	1.00	1.00	1.00	1.00	-
Maintenance Crew Chief	1.00	1.00	1.00	1.00	-
Building Maintenance Trades Worker	6.00	6.00	6.00	6.00	-
Maintenance Worker	4.00	4.00	4.00	4.00	-
Welding Crew Chief	1.00	1.00	1.00	1.00	-
Welder II	2.00	2.00	2.00	2.00	-
Welder I	3.00	3.00	3.00	2.00	(1.00)
Electrical					
Electrical Supervisor	1.00	1.00	1.00	1.00	-
Assistant Electrical Supervisor	1.00	1.00	-	-	-
Electrical Crew Chief	1.00	1.00	2.00	2.00	-
Electrician IV	1.00	2.00	1.00	2.00	1.00
Electrician III	3.00	2.00	2.00	1.00	(1.00)
Electrician II	8.00	7.00	7.00	7.00	-
Electrician I	2.00	3.00	4.00	4.00	-
HVAC Technician II	2.00	2.00	2.00	2.00	-
HVAC Technician I	1.00	1.00	1.00	1.00	-
Pump Maintenance Crew Chief	1.00	1.00	1.00	1.00	-
Maintenance Worker	3.00	3.00	3.00	4.00	1.00
Maintenance Worker/Operator	1.00	1.00	1.00	-	(1.00)

Authorized Position Listing - Fiscal Years 2021 through 2024

Description	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2024 Change
Stormwater & Drainage					
Stormwater & Drainage Maint. Supv.	1.00	1.00	1.00	1.00	-
Stormwater & Drainage Crew Chief	1.00	1.00	1.00	1.00	-
Equipment Operator II	5.00	4.00	3.00	4.00	1.00
Equipment Operator I	8.00	9.00	10.00	10.00	-
Electronics					
Electronics Supervisor	1.00	1.00	1.00	1.00	-
Assistant Electronics Supervisor	1.00	1.00	1.00	1.00	-
Electronics Technician III	1.00	1.00	1.00	1.00	-
Electronics Technician II	4.00	4.00	3.00	3.00	-
Electronics Technician I	8.00	9.00	9.00	9.00	-
Electronics Technician Trainee	1.00	1.00	2.00	2.00	-
Motorpool - Auto Shop					
Fleet Manager	1.00	1.00	1.00	1.00	-
Autoshop Supervisor	1.00	1.00	1.00	1.00	-
Crew Chief	2.00	2.00	2.00	2.00	-
Automotive Technician III	2.00	2.00	2.00	2.00	-
Automotive Technician II	4.00	4.00	3.00	4.00	1.00
Automotive Technician I	4.00	4.00	4.00	5.00	1.00
Automotive Technician Trainee	1.00	1.00	2.00	-	(2.00)
Parts Specialist II	1.00	1.00	1.00	1.00	-
Parts Specialist I	1.00	1.00	1.00	1.00	-
Auto Shop Attendant	1.00	1.00	1.00	1.00	-
Sub-total Operations & Maintenance - Facilities & Maint.	*138.00*	*138.00*	*138.00*	*138.00*	*-*
Operations & Maintenance - Sanitation					
Assistant Director of Operations & Maintenance - Sanitation	1.00	1.00	1.00	1.00	-
Wastewater					
Operations Manager	-	1.00	1.00	1.00	-
Sanitation Collections					
Collections Supervisor	1.00	1.00	1.00	1.00	-
Collections Construction Crew Chief	1.00	1.00	1.00	1.00	-
Collection Systems III	2.00	1.00	-	-	-
Collection Systems I	2.00	1.00	2.00	3.00	1.00
Collection Systems Trainee	1.00	3.00	3.00	2.00	(1.00)
Collections Maintenance Crew Chief	1.00	1.00	1.00	1.00	-
Collection Systems III	2.00	2.00	1.00	-	(1.00)
Collection Systems II	1.00	1.00	-	-	-
Collection Systems I	1.00	-	1.00	2.00	1.00
Collection Systems Trainee	2.00	2.00	3.00	3.00	-
Collections Operations Crew Chief	1.00	1.00	1.00	1.00	-
Collection Systems III	-	-	1.00	-	(1.00)
Collection Systems II	2.00	2.00	-	-	-
Collection Systems I	3.00	3.00	1.00	3.00	2.00
Collection Systems Trainee	1.00	1.00	4.00	3.00	(1.00)

Authorized Position Listing - Fiscal Years 2021 through 2024

Description	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget	FY 2024 Change
Mechanical					
Mechanical Supervisor	1.00	1.00	1.00	1.00	-
Mechanical Crew Chief	1.00	1.00	1.00	1.00	-
Mechanical Technician III	2.00	2.00	1.00	1.00	-
Mechanical Technician II	7.00	7.00	6.00	5.00	(1.00)
Mechanical Technician I	-	-	2.00	3.00	1.00
Nonpotable Water/ Control					
Nonpotable Ops Water Manager	1.00	1.00	1.00	1.00	-
Nonpotable Crew Chief	1.00	1.00	1.00	1.00	-
Nonpotable Water Technician II	1.00	1.00	1.00	1.00	-
Cross-Connection Technician III	1.00	1.00	1.00	1.00	-
Cross-Connection Technician II	1.00	1.00	-	-	-
Cross-Connection Technician I	-	-	1.00	1.00	-
Control Crew Chief	1.00	1.00	1.00	1.00	-
Control Operator II	4.00	3.00	2.00	3.00	1.00
Control Operator I	2.00	1.00	4.00	3.00	(1.00)
Control Operator Trainee	3.00	5.00	2.00	2.00	-
Irrigation Water Specialist	-	-	1.00	1.00	-
Wastewater Reclamation Plant 1, 2, 4					
Wastewater Reclamation Plant Supervisor	1.00	1.00	1.00	1.00	-
WRP Assistant Supervisor	2.00	2.00	2.00	2.00	-
WRP Operator II	3.00	2.00	2.00	2.00	-
WRP Operator I	1.00	1.00	1.00	2.00	1.00
WRP Operator In Training	-	1.00	1.00	-	(1.00)
Wastewater Reclamation Plant 7					
Wastewater Reclamation Plant Supervisor	1.00	1.00	1.00	1.00	-
WRP Assistant Supervisor	2.00	2.00	2.00	2.00	-
WRP Operator III	2.00	2.00	2.00	2.00	-
WRP Operator II	3.00	4.00	2.00	2.00	-
WRP Operator I	1.00	-	-	1.00	1.00
WRP Operator in Training	-	-	2.00	1.00	(1.00)
Wastewater Reclamation Plant 10					
WRP Chief Operator	1.00	1.00	1.00	1.00	-
WRP Shift Supervisor	2.00	2.00	2.00	2.00	-
WRP Assistant Shift Supervisor	4.00	4.00	4.00	4.00	-
WRP Operator III	3.00	3.00	3.00	2.00	(1.00)
WRP Operator II	1.00	2.00	2.00	2.00	-
WRP Operator I	4.00	2.00	3.00	1.00	(2.00)
WRP Operator In Training	2.00	3.00	2.00	5.00	3.00
Sub-total Operations & Maintenance - Sanitation	*81.00*	*81.00*	*81.00*	*81.00*	-
Total Operations & Maintenance	***330.00***	***330.00***	***329.00***	***329.00***	***-***
Total District	***569.00***	***569.00***	***569.00***	***570.00***	***1.00***

[1] *FY 2022 Technical Services division merged with Survey*

[2] *FY 2022 Facilities & Maintenance merged with Operations. Renamed Department "Operations & Maintenance"*

[3] *Assistant General Manager of Operations & Maintenance is included in position count under GM Administration*

[4] *FY 2021 Positions classified under Facilities & Maintenance, Admin. Assistant I had (1) for each department prior to merge*

BENEFITS

The District offers medical, dental, and vision coverage to all full-time employees, and participates in the California Public Employees Retirement System (CalPERS). Benefits are budgeted based on prior year elections, changes in anticipated cost, and contribution percentages based on the bargaining unit. The District has two separate bargaining units operating under multiyear Memorandum of Understandings (MOUs):

Association of Supervisory Support Evaluation Team (ASSET) – Expires December 31, 2023

Coachella Valley Water District Employees Association (CVWDEA) – Expires December 31, 2025

Bargaining unit MOUs provide for an annual Cost of Living Adjustment (COLA), based on the actual Riverside, San Bernardino, Ontario Consumer Price Index-U with a minimum of two (2%) and a maximum of five (5%) percent for FY 2024. Unrepresented staff follows the District's Defined Benefit and Contribution Plan (DBCP) , which was adopted by the Board in January 2023. The DBCP allows for consistency in the application of compensation and benefits as authorized by the Board for unrepresented staff. Additional information on benefits can be found in the Budget by Department section.

ACCOUNTING AND BUDGETING STRUCTURE

Proprietary Fund Accounting

The District's financial reporting structure is fund-based. A fund is defined as a separate, self-balancing set of accounts, used to account for resources that are segregated for specific purposes in accordance with special regulations, restrictions, or limitations. All District funds are categorized as proprietary funds, which are used to account for a government's business-type activity. There are two types of proprietary funds – enterprise funds and internal service funds. Both fund types use the same Generally Accepted Accounting Principles (GAAP), similar to businesses in the private sector.

GAAP requires full accrual accounting. Revenues are recognized in the accounting period in which they are earned and expenses are recognized in the accounting period incurred. Both enterprise and internal service funds recover the full cost of providing services (including capital costs) through fees and other revenues, and charges on those who use their services.

CVWD reports Domestic Water, Canal Water, Sanitation, Stormwater, and Replenishment activities in enterprise funds. Enterprise funds are intended to be entirely or predominantly supported by user charges or rates. Operations are accounted for in a manner to show a profit or loss, on a basis comparable with industries in the private sector. Occasionally, rate adjustments are needed to ensure that the funds maintain adequate cash balances to cover operating costs, debt service, and capital repairs and replacements.

The District reports Motorpool, Dental Self-Insurance, and Workers' Compensation as internal service funds. These funds are used to account for the financing of goods and services by one department to other departments or funds of the District. Internal service fund costs are allocated to the benefiting funds, in the form of fees or charges.

HOW DOES THE BUDGET COMPARE TO THE ANNUAL FINANCIAL REPORT?

The budgetary management of District funds is based on the "bottom line" and whether the expenses, including capital replacements, are supported by revenue. CVWD uses its reserve balances or "ending reserves", to evaluate its funds. This method works similarly to working capital and is the result of all transactions that affect assets and liabilities.

Some of the common differences between GAAP and the District's budgetary basis of accounting are as follows:

Under the District's budgetary basis, the receipt of debt proceeds, capital outlays (including the capital improvement program) and debt service principal payments are reported as nonoperating revenues and expenses. Depreciation expense is not reported.

The opposite is true under the GAAP basis of accounting: capital outlays are reflected as additions to assets on the balance sheet and depreciated over their useful lives. Debt proceeds are shown as a liability and principal expenses on debt service are reflected as a reduction of a liability.

Investment earnings and property taxes are considered operating revenue under the budgetary basis and are nonoperating revenue under GAAP.

Contributed assets and development fees are shown on the Statement of Revenues, Expenses, and Changes in Fund Net Position under GAAP. Under the budgetary basis, contributed assets are not recognized and only the use of restricted funds is shown as nonoperating revenue.

Under the GAAP basis of accounting, changes in the fair value of investments are treated as adjustments to revenue. This is not the case under the budgetary basis of accounting.

Reserves are generally defined as the difference between current assets and current liabilities on a budgetary basis. The net position in GAAP includes the difference between all assets and liabilities.

The timing of revenue and expenses are the same under both GAAP and the budgetary basis of accounting. Revenues are recognized when earned and expenses are recognized when incurred.

WHAT IS A BUDGET?

The fiscal year 2024 budget is presented as a policy document, an operational tool, a financial planning tool, and a link to the District's Strategic Plan. In addition, it is also considered a link to the community. This document will be submitted to the Government Finance Officers Association (GFOA) for review and consideration for the Distinguished Budget Award, which the District has received annually since fiscal year 2013. The budget includes the financial planning and legal authority to obligate District funds. Additionally, the budget provides significant policy direction from the Board to District staff.

The budget provides five functions:

1. A POLICY DOCUMENT

Decisions made within the budget reflect the general principles or plans that guide the actions taken for the future. As a policy document, the budget links desired goals and policy direction to the actual day-to-day activities of the District. The budget process affords an interesting and challenging opportunity to reassess plans, goals, and the means for accomplishing them.

2. AN OPERATIONAL TOOL

The budget directs the operation of the District. Activities of each function or department have been formalized and described in the chapter, Budget by Department. This process helps maintain an understanding of the various enterprises of the District, how they relate to each other, and the goals and policies of the District and the Board. These include policy issues, staffing levels, long-range planning, capital spending plans, and rate setting.

3. A FINANCIAL PLANNING TOOL

Traditionally, the budget is a financial planning tool, but it is also a requirement. A balanced budget must be adopted and in place, prior to the expense of District funds on July 1. The budget provides the authority to spend District funds. The District's budget is adopted at the fund level so expenses may not exceed appropriations at that level. Revenues are estimated, along with available cash reserves to indicate funds available for spending. The departmental requests for appropriations comprise the disbursement side of the budget.

4. A LINK TO THE STRATEGIC PLAN

The budget is the District's blueprint and the Strategic Plan is an integral part of that blueprint. The FY 2024 Strategic Plan was adopted by the Board on February 14, 2023, and prioritizes initiatives that are included in the FY 2024 Budget. The goals and initiatives that were developed as a part of the Strategic Plan are linked to specific departments and are incorporated and reflected in their goals and budgets.

5. A LINK WITH THE COMMUNITY

The budget provides a unique opportunity to allow and encourage public review of District operations. The document describes the activities of the District, the reason or cause for those activities, future implications, and the direct relationship to constituents.

BUDGET PLANNING AND PREPARATION

Budget preparation begins each year in January when the groundwork for the upcoming fiscal year is laid out. Each department determines its requirements for the following fiscal year. Based on those requirements, budget requests are submitted and reviewed for approval. One of the key foundations of an enterprise fund budget is a solid projection of reserves, revenues, and expenses. Below is the budget calendar for fiscal year 2024.

Fiscal Year 2024 Budget Calendar

Date	Description
January 16, 2023	Budget Kickoff Meetings with Departments
February 24, 2023	Budget Worksheets due to Finance Department
February 27, 2023	Department Overview Meetings with Finance
March 6, 2023	Budget Meetings with the General Manager
March 21, 2023	Board Study Session - FY 2024 Capital Improvement Plan and Forecast
April 18, 2023	Board Study Session for the Fiscal Year 2024 Operating Budget
May 23, 2023	Board Meeting - Review of State Water Project Budget and District Reserves
June 13, 2023	Approval of the GANN Appropriation Limit for FY 2024
June 13, 2023	Adoption of Domestic and Sanitation Rates for FY 2024
June 13, 2023	Adoption of the Fiscal Year 2024 Operating and Capital Budget
July 1, 2023	Beginning of the Fiscal Year 2024 Budget Year

PROPOSITION 218

The need for rate increases is evaluated each year as part of the budget process. Proposition 218, officially titled the “Right to Vote on Taxes Act,” was approved by California voters in 1996. It amended the State Constitution and established additional procedural requirements, and limitations on new and increased taxes, assessments, and property-related fees.

For special districts such as CVWD, any fees or charges imposed on persons as an incident of property ownership (water commodity charges, service charges, sanitation fees, etc.) must comply with the requirements of this law. Specifically, the District must notify all affected property owners by mail 45 days prior to a public hearing on any proposed rate increase (other than those called for over the five-year term of a previous Proposition 218 majority protest proceeding). During the 45-day period, the property owner may choose to protest the increase in writing. After the hearing, if a majority of property owners and tenants of the impacted parcels submit written protests in opposition to the proposed rate increase, the increase will not be imposed.

Substantive requirements of Proposition 218 include restrictions on expenses that may be included in the fee or rate. For example, revenues cannot exceed the costs required to provide a property-related service, and revenues from a property-related fee cannot be used for any purpose other than that for which it was imposed.

These requirements suggest that an agency develop Cost of Service studies that document the costs for which their property-related fees and rates are imposed, utilizing appropriate industry principles and guidelines. The District completed cost of service studies for the Domestic, Canal, and Replenishment funds during fiscal year 2021, and the Sanitation fund in fiscal year 2022.

COMPONENTS OF THE BUDGET

There are three components of the budget:

1. BASE BUDGET

The base budget consists of budget proposals sufficient to maintain the operation of programs authorized in earlier years. Fiscal year 2024 budget targets were established at fiscal year 2023 base levels for all spending.

2. SUPPLEMENTAL REQUESTS

Departments may request funding above the base budget amount in order to maintain current levels of service, to provide for the expansion of existing programs, or to enable the implementation of new services or programs. These are considered to be supplemental requests. All supplemental funding requests must be thoroughly described and include a concise justification that reflects consideration of reasonable alternatives, particularly if the request involves the addition of full-time personnel.

3. CAPITAL IMPROVEMENTS

The budget includes authorized capital projects scheduled for design and/or construction, during fiscal year 2024. The Board approves specific projects up to the funding approved in the budget. Budget amendments are considered if the total cost of the project is expected to exceed the original budget. The District's fiscal year 2024 Capital Improvement Budget is being funded primarily through grants, restricted funds, low-cost loans, and reserves.

Proposed and Adopted Budget

The proposed budget is reviewed with the General Manager in March in preparation for study sessions with the Board. The five-year forecast and projected reserves by fund are updated based on revenue projections and departmental budget requests. The proposed budget is prepared and available for public review during study sessions with the Board during the spring and focuses on the details of individual funds. Proposed rate increases, if any, are normally approved in May and June.

The final budget is presented at the first Board meeting in June to ensure adoption prior to the start of the new fiscal year on July 1. The adopted budget is issued as a formal published document, as modified by the Board.

Staff will begin preparation of the fiscal year 2025 Operating and Capital Improvement Budgets in January 2024. The budget calendar, board meeting dates, and agendas will be available for review online at ***www.cvwd.org***.

Amending the Budget

Department directors are responsible for keeping expenses within budget allocations. Directors may exercise discretion in the administration of the budget to respond to changes in circumstances, by requesting budget amendments between line items within their department in the same fund.

Budget transfers between departments within the same fund must be approved by both department directors. Any revisions that increase the total expenses within a fund must be approved by the General Manager and the Board. All Capital Improvement budget amendments must be approved by the General Manager.

Budget Reporting and Monitoring

The Finance Department and the individual departments monitor the budget, using various reports and accounting controls.

Department directors are provided monthly financial reports to monitor and analyze their expenses in relation to their budget. In addition, consumptive revenue reports for the Domestic Water and Canal Water Funds are prepared and analyzed monthly. Formal financial reports and analyses comparing actual expenses and revenues against the budget are generated by the Finance Department and presented to the Board on a quarterly basis.

FINANCIAL POLICIES AND GUIDELINES

Financial policies and guidelines are used to establish similar goals and targets for the District's financial operation, allowing the Board and District officials to monitor how well the District is performing. Formal policies provide for a consistent approach to financial strategies and set forth guidelines to measure financial performance and future budgetary programs.

General Financial Goals

- Ensure delivery of an adequate level of water-related services, by assuring reliance on ongoing resources and maintaining an adequate financial base.
- Ensure the District is in a position to respond to changes in the economy or new service requirements, without an undue amount of financial stress.
- Assure ratepayers and taxpayers that the District is well-managed financially.
- Adhere to the highest accounting and management policies as set by Government Finance Officers Association (GFOA), Governmental Accounting Standards Board (GASB), and other professional standards for financial reporting and budgeting.

Cash and Investments Goals

- Maintain cash and investment programs in accordance with CVWD's Investment Policy, ensuring proper controls and safeguards are maintained.
- Manage District funds prudently and diligently, with an emphasis on the safety of principal, liquidity, and financial return on principal, in that order.

Revenue Guidelines

- Revenues will not be dedicated for specific purposes unless required by Board action, law, or GAAP.
- Unrestricted revenue will be deposited in the appropriate fund and appropriated by the budget process.
- Current revenues will fund current expenses.
- One-time revenues may be dedicated to one-time expenses or one-time use of funds.
- One-time revenues may be dedicated to funding reserve shortfalls.
- Enterprise user fees will be examined on a cyclical basis, ensuring that they recover all direct and indirect costs of service, and must be approved by the Board.
- Programs financed with grant monies will be budgeted in separate projects within the appropriate enterprise fund.

Operating Management and Budget Guidelines

- Revenue and expense forecasts will be prepared to evaluate the District's ability to absorb operating costs due to changes in the economy, service demands, and capital improvements. The forecast will be updated annually and focus on a five-year outlook.
- Alternative means of service delivery will be evaluated, ensuring that quality services are provided to our ratepayers at the most competitive and economical cost.
- The budget process is intended to weigh all requests for resources, within expected fiscal constraints. Requests made outside the budget process are discouraged. Appropriations requested after the adoption of the original budget will be approved only after considering the elasticity of revenues. All additional appropriations require Board approval.
- Budget development will use strategic multi-year fiscal planning, conservative revenue forecasts, and modified zero-based expense analysis.
- Based on the District's definition of a balanced budget, current operating expenses will be paid from current revenues and reserves carried forward from the prior year. The District will avoid budgetary and accounting practices that balance the current budget at the expense of future budgets.
- Additional personnel will only be requested to meet program initiatives and policy directives after service needs have been thoroughly examined, and it has been determined that additional staffing will result in increased revenue, enhanced operating efficiencies, or service levels. Personnel cost reductions will be achieved through attrition, to the extent feasible.

Capital Management and Replacement Guidelines

- A multi-year replacement schedule of rolling stock and other equipment has been developed. Over 295,000 physical assets were identified, photographed, and evaluated. Asset information has been uploaded into the maintenance and management software which is used to streamline operations, optimize maintenance and replacement practices, and help plan CIP projects. Replacement funds for rolling stock and other equipment are accumulated in the unrestricted reserves of each enterprise fund.
- A five-year Capital Improvement Plan (CIP) is developed and updated annually, including anticipated funding sources. The CIP should include adequate funding to support the repair and replacement of deteriorating infrastructure and avoidance of significant unfunded liability.
- Future operating, maintenance, and replacement costs associated with new capital improvements will be forecasted and included in the operating budget.
- Capital project requests will include a fiscal impact statement, disclosing the expected operating impact of the project.

Reserve Policy

GOAL

The goal of maintaining adequate reserves is to ensure that there are appropriate levels of working capital in the District's enterprise funds to mitigate current and future risks (revenue shortfalls and unanticipated expenses), to ensure stable services and fees, and to obtain and maintain a credit rating of AA or better.

Properly designed policies send a positive signal to the community of ratepayers, bondholders, rating agencies, and regulatory agencies that the Board is committed to the District's long-term financial health and viability. Prudent financial management and best practices dictate that the District maintain appropriate reserves for emergency use, capital projects, obligations accruing on a current basis that will be paid in the future, and those required as a result of legal or external requirements.

OBJECTIVES

- To establish prudent fiscal reserve policies to ensure strong financial management to guide future District decisions.
- To build and maintain reserves that lead to an AA rating or better. This action will provide the District with resources to help stabilize the District's finances and position it to absorb economic downturns or large-scale emergencies.
- To help smooth rates from year-to-year, and to promote equity over the years to ratepayers.
- To provide funding for current and future replacement of existing assets as they reach the end of their useful lives.
- To assist the District in meeting its short-term and long-term obligations.

DEFINITIONS

Reserves are defined as the amount of cash and investments in a fund, plus the accounts receivable, less the accounts payable, and less amounts due to others in the fund. This methodology indicates the relatively liquid portion of total enterprise fund capital, which constitutes a margin or buffer for meeting obligations.

1. DESIGNATED RESERVES: Designated reserves are reserves that are established and set aside to be used only for a specific, designated purpose (classified as unrestricted on the audited financial statements because the District retains authority to re- or de-designate funds).
2. RESTRICTED RESERVES: Restricted reserves are reserves that are restricted by an outside source, such as by statute, court, or contract (classified as restricted on the audited financial statements).
3. UNDESIGNATED RESERVES: It is assumed that all reserves will be Designated or Restricted, and therefore, there will be no undesignated reserves per policy, but reserves may be temporarily undesignated when they are received and until they are designated or restricted (these are classified as unrestricted on the audited financial statements).

NOTE: *The District's audited financial statements segregate Net Position, which includes the effects of all assets and liabilities, some of which are nonspendable, not liquid, or have not been included in the current year budget. Therefore, the definition of "Reserves" is different than "Net Position," and the two terms should not be used synonymously.*

Designated Reserves

Maintaining adequate reserves is important for providing reliable service to customers, financing long-term capital projects, and funding emergencies, should they arise. In this context, the following designated reserve categories represent the minimum reserve targets for each fund. However, the District's goal is to have 365 days of cash on hand Districtwide to ensure sufficient funding available to meet its operating, capital, and debt service obligations. Days of cash on hand are determined by the amount of unrestricted reserves on hand divided by one day's worth of operating and maintenance expenses (excluding depreciation).

1. OPERATING RESERVES: cover operating costs for an established period. This reserve will ensure continuity of service regardless of cash flow and is considered working capital to be used to fund current expenses as needed.

   Applicable Funds: All funds except internal service funds: Workers' Compensation, Dental Self Insurance, and Motorpool.

   Recommendation: Maintain minimum operating reserves at 90 days, or 25% of current year budgeted operating expenses (less depreciation and capital outlay). This balance will fluctuate from month to month. However, the year-end objective is to achieve this ending balance.

2. RATE STABILIZATION: This reserve covers the smoothing of rates in the event of short to mid-term rate revenue loss, and/or higher-than-anticipated operating expenses that cannot be supported by normal revenues.

   Applicable Funds: Domestic, Sanitation, Canal, and Replenishment Funds (Stormwater is excluded because revenues consist of property taxes, which are relatively stable).

   Recommendation: Establish the reserve at the higher of 10% of current year budgeted rate revenues or 10% of total budgeted operating expenses less depreciation, capital outlay, and State Water Project expense. For Sanitation establish the reserve at 10% of rate revenues.

3. CAPITAL IMPROVEMENT PROGRAM (CIP): Ongoing replacement of capital facilities and additional investment in capital is essential to maintain the desired level of service for District customers and to meet increased demand for services. This reserve is designated for funding the capital improvement program and unforeseen capital projects. It is designed to stabilize funding for capital by accumulating "pay-as-you-go" reserves to reduce the reliance on other funds of capital financing, such as debt. This reserve can also be used in concurrence with outside funding sources.

   Applicable Funds: Domestic, Sanitation, Canal, Stormwater, East Replenishment, West Replenishment.

   Recommendation: This reserve should be set consistently with the District's expected capital funding needs over a 5-year capital planning horizon and these needs and funding amounts will vary. As such, the amount needed in this fund will be subject to Board review and discussion with District management. The appropriate level for the capital reserve will be set based on the desired level of "pay-as-you-go" funding in conjunction with other forms of capital funding, such as grants and debt. The District will strive to achieve a minimum funding level of 25% of the average, five-year, forecasted pay-as-you-go capital improvement expenditures for all funds except Stormwater and Canal. The District will strive to achieve Canal reserve levels of 2% of gross capital asset value, and Stormwater reserves of 70% of the average five-year CIP.

4. EMERGENCY RESERVE: These reserves help to ensure continued service to the District's customers and service areas for events that are impossible to anticipate or budget. The ability of the District to quickly restore facilities and services is critical to the public health and safety of our residents. This fund will assist in covering emergency cash needs for any reason.

   Applicable Funds: All funds except Workers' Compensation, Dental Self Insurance, and Motorpool.

   Recommendation: Domestic, Sanitation, West Replenishment, and East Replenishment Funds:

establish reserves at one percent (1.0%) of the net capital assets; Canal Fund: establish reserves at one percent (1.0%) of the replacement cost of fixed assets. Stormwater Fund reserves are set at $17.6 million, per previous Board policy

5. VEHICLE AND EQUIPMENT REPLACEMENT RESERVE: The Vehicle and Equipment Replacement reserve provides capital replacement funding as the District's rolling stock and high-value equipment is depreciated over its useful life.

   Applicable Funds: All enterprise funds and the Motorpool Fund.

   Recommendation: Average of the five-year CIP for replacement vehicles per fund. The Board will determine an amount appropriate to set aside in the Vehicle and Equipment Replacement Reserve to fund the replacement of high-cost equipment assets based on forecasted needs.

6. OTHER SPECIAL PURPOSE RESERVES: The Board may, at its discretion, set aside reserves for a special project or purchase.

   Applicable Funds: All funds.

Restricted Reserves

1. RESERVES FOR FUTURE CAPITAL COMMITMENTS: These reserves are established by Board Ordinances to ensure that specific fees are set aside to provide for future purchases of imported water and expansion of the domestic water and sanitation systems. The following fees are in place at this time:

   a. Water System Backup Facilities Charge (WSBFC)
   b. Sanitation Capacity Charge (SCC)
   c. Supplemental Water Supply Charge (SWSC)

   Recommendation: Interest earned in these reserves shall be credited to these reserves. There should be a positive balance in each of these funds at all times unless there is a specific repayment plan identified.

   RESERVE FOR DEBT SERVICE: Most debt issuances require a separately held reserve equal to one year of debt service, to be held by the trustee (if required), and used in the last year of the debt repayment.

   Debt service reserves are presently established for Assessment Districts and Community Facility Districts, which are not liabilities of the District. Certain borrowings such as SRF loans, publicly issued bonds, and federal loans through the WIFIA program may also require the funding of a debt service reserve, on a loan-by-loan basis.

   Recommendation: Establish a debt service reserve for the Domestic Water Fund per the requirements of the Drinking Water State Revolving Fund loan. In addition, the funding of a debt service reserve will be analyzed for each fund prior to the issuance of debt, based on the requirements of the legal documents as well as the preferences/ requirements of the rating agencies and creditors at that time.

2. STATE WATER PROJECT: The District collects funds through the property tax rolls to make payments to the SWP. These payments will vary depending upon the availability and supply provided to the District each year. Revenues primarily derive from property taxes based on the approved property tax rate and property value assessments updated on an annual basis.

   Recommendation: Establish a SWP reserve comprised of four components, as outlined below, that ensure sufficient funds on hand to pay full contractual obligations to allow for full water delivery, if available.

   Working Capital - Established at 50% (6 months) of the operating budget. This target is set on 6 months of operating budget basis due to the fund's major revenue source (property taxes) being primarily paid only two times per year in January and May, while expenses fluctuate significantly due to varying hydrology, and are paid at varying amounts throughout the year. The significant potential variability in cash flow timing requires an above-average working capital reserve to ensure contractual obligations are met.

   Rate Stabilization – Established at 10% of budgeted property tax revenue to promote a stable SWP property tax rate despite unanticipated costs

passed on by DWR. This target is necessary to compensate for the high risk of unanticipated and unbudgeted expenses being invoiced by DWR for the SWP due to the nature of the SWP contract which allows the State to pass on CVWD's share of any legitimate expense necessary to operate, maintain, repair, and replace the system, despite the limited availability of accurate advanced projections from the State.

Mandatory Water Purchase – This target is established at the SWP variable transportation cost for delivering 50% of the Table A SWP Allocation and the SWP variable transportation cost for delivering the 9,500 af base amount of water for the Rosedale Rio Bravo agreement. CVWD routinely budgets for the delivery of Table A allocation of 50% is based on an assumption of probable delivery amounts on an average year. This reserve target sets aside sufficient funding to pay for the unbudgeted incremental costs of a full 100% Table A allocation year, such as in 2023, so that CVWD would receive the full benefit of its base entitlement. Under the same wet year assumption yielding a 100% Table A allocation, the base allotment of 9,500 af would be offered and required to be purchased from the Rosedale Rio Bravo Agreement. This water is delivered via the SWP system, invoiced by DWR, and the SWP variable transportation costs are funded by the SWP Fund.

Optional Water Purchase – This target is established at the SWP variable transportation cost for delivering the full 7,000 af of optional water from the Rosedale Rio Bravo agreement, assuming its availability due to favorable hydrologic conditions. This water is also delivered via the SWP system, invoiced by DWR, and funded by the SWP Fund. As this water is optional and based on less common hydrology, it is not routinely budgeted for and requires a set aside of reserves to allow for the full delivery and benefit of this water should conditions materialize.

Reserve Procedures

- The Finance Department will perform a biennial reserve review to be submitted to the General Manager and Board of Directors.
- In addition, a reserve review will be required when a major change in conditions threatens the reserve levels established by this policy.
- The biennial review determines if the funding levels are still appropriate and aligned with Board goals and objectives.
- During the annual budget process, staff will recommend approval of the one-year capital improvement budget. If adequate funding is not available, the CIP reserve funds will be used.
- If the balance in any reserve category falls below the minimum targeted reserve level for two consecutive years, the Board of Directors will strive to adopt a 5-year strategy to restore reserves to the minimum targeted level.

STRATEGIC PLAN

What is a Strategic Plan?

A Strategic Plan is a tool that defines what is critical to the District's success and the initiatives necessary to guide the District toward achieving its goals. The process began In 2014 when the District established a Strategic Plan to concentrate its efforts and energy toward defined initiatives, priorities, and action plans to guide the organization. A team is established for each plan update to help achieve those goals. Each year the District reviews its accomplishments and evaluates ongoing efforts.

Goals

The strategic goals were developed within the framework of Effective Utility Management (EUM). EUM was developed by the major water and wastewater organizations in the United States and covers a range of desired utility outcomes in the areas of operations, infrastructure, customer satisfaction, community welfare, natural resource stewardship, and financial performance.

The strategic goals the District has selected to focus on cover six thematic areas:

- Exceptional Customer Service and Stakeholder Engagement
- Water Quality and Environmental Leadership
- Water Supply Optimization
- Infrastructure Investment and Management
- Operational Optimization
- Financial Viability

Initiatives

On February 14, 2023, the Board of Directors adopted the District's Strategic Plan to guide initiatives for FY 2024. There are fourteen initiatives, or project plans, that will be the focus for fiscal year 2024, with an estimated cost of $2.8 million. Quarterly updates are provided to the Board during the year to measure progress. Additional details regarding progress on specific initiatives can be found in the Budget by Fund and Budget by Department sections. The table on the following page summarizes the FY 2024 initiatives.



Water flow at CVWD's Whitewater Replenishment Facility

Coachella Valley Water District FY 2024 Strategic Plan

	Initiative	Estimated Cost	Expectation
1. Exceptional Customer Service & Stakeholder Engagement			
	EUM: Customer Satisfaction, Stakeholder Understanding and Community Sustainability		
1	Coordinate community outreach for CVWD career opportunities	$25,000	Educate the community on careers and opportunities at the District
2. Water Quality & Environmental Leadership			
	EUM: Community Sustainability/Financial Stability and Operational Optimization/ Product Quality and Financial Viability/ Operational Resiliency, Operational Optimization and Financial Viability		
2	Develop mitigation credits for infrastructure projects	$175,000	Create scalable/expandable wetland and streambed restoration projects to satisfy the permit requirements at Wastewater Reclamation Plant 10
3	Perform review of converting chlorine gas to UV disinfection at Wastewater Reclamation Plant 10 (WRP 10)	$100,000	Conduct feasibility study to evaluate the cost and benefits of implementing ultraviolet disinfection at WRP 10
4	Rehabilitate domestic water wells with elevated nitrate levels	$450,000	Analyze rehabilitating wells with high nitrate levels by modifying wells screens to block the shallow screens as an alternative to redrilling wells
5	Analyze issues associated with implementing a zero emission fleet	$150,000	Analyze the challenges related to acquiring fleet to meet the state's zero emission requirement by 2030 including charging or hydrogen refueling stations
3. Water Supply Optimization			
	EUM: Water Resource Sustainability/ Operational Optimization, Infrastructure Stability and Water Resource Sustainability		
6	Expand conservation program incentives	$30,000	Increase the use of smart-irrigation controllers by using new technology alternatives including Flume monitors and Rachio Smart Sprinkler Controller
7	Analyze the Groundwater Replenishment Reuse Project	$250,000	Conduct feasibility study to use a blend of recycled and canal water for replenishment at Wastewater Reclamation Plants 7 and 10
4. Infrastructure Investment & Management			
	EUM: Operational Optimization and Infrastructure Strategy & Performance/ Operational Optimization and Infrastructure Strategy & Performance/ Operational Optimization/ Enterprise Resiliency		
8	Analyze the economics of operating a CVWD meter testing and calibration facility	$150,000	Conduct a feasibility study on constructing and operating a testing and calibration facility for domestic irrigation and RAC meters
9	Perform a pipe condition assessment pilot study	$75,000	Verify pipeline integrity to complement asset management data allowing CVWD to develop a pipeline replacement program based on priority
10	Construct a model of the Coachella Canal to enhance training and operations	$300,000	Provide a training tool for staff working with the canal system as the model would represent sections of the canal
11	Perform security vulnerability assessment on critical infrastructure sites	$200,000	Hire a consultant to evaluate security at critical infrastructure sites to build on the Stantec report that evaluated CVWD campuses
5. Operational Optimization			
	EUM: Operational Optimization/ Employee and Leadership Development		
12	Develop a comprehensive instrumentation implementation program	$250,000	Create a long-term plan to ensure a successful transition into the new SCADA system, including developing prioritization, information transfer requirements, and training and staffing needs
13	Develop a comprehensive supervisor training program	$100,000	Develop a standard operating procedures and process for training, cross training, mentoring, and apprenticeships
6. Financial Viability			
	EUM: Financial Viability and Enterprise Resiliency		
14	Develop and Implement a comprehensive plan to ensure financial adequacy	$500,000	Create a comprehensive multi-year plan to fund the District's priority capital projects and maintain operational service level through leveraging grants, non-rate income, loans, bonds, and reserves in a fiscally prudent manner to reduce the degree of rate increases otherwise necessary

ALL FUNDS SUMMARY



All Funds Summary

The District reports its activities within proprietary funds. Proprietary funds are used to account for a government's business-type activities, which recognize revenues and expenses on an accrual basis in accordance with Generally Accepted Accounting Principles (GAAP), similar to businesses in the private sector.

The adopted budget for each proprietary fund does not include depreciation but includes capital acquisitions and debt service payments, which impact cash flows.

CVWD uses two types of proprietary funds to account for its activities, each of which is considered a separate accounting entity with a separate set of self-balancing accounts. All funds are accounted for as enterprise funds, with the exception of the Motorpool fund, Workers' Compensation Self-Insurance fund, and Dental Self-Insurance fund, which are accounted for as internal service funds.

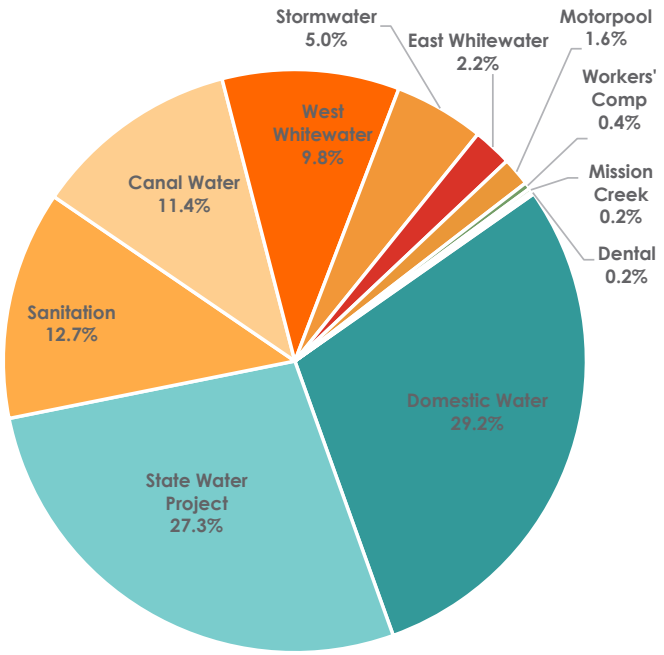
Changes occurring from year to year in the operating budget are generally incremental. Therefore, District officials can draw on recent budget experience when reviewing the following year's budget requests. Capital projects or acquisitions requested in one year often differ from year to year. This is because many capital assets have long, useful lives and do not need to be replaced frequently. The operating and capital improvement budgets are presented separately to compensate for this variable.

The charts on the right depict fiscal year 2024 operating and debt service budget by fund and the capital improvement budget by fund.

Operating and Debt Service Expenses

Budget by Fund

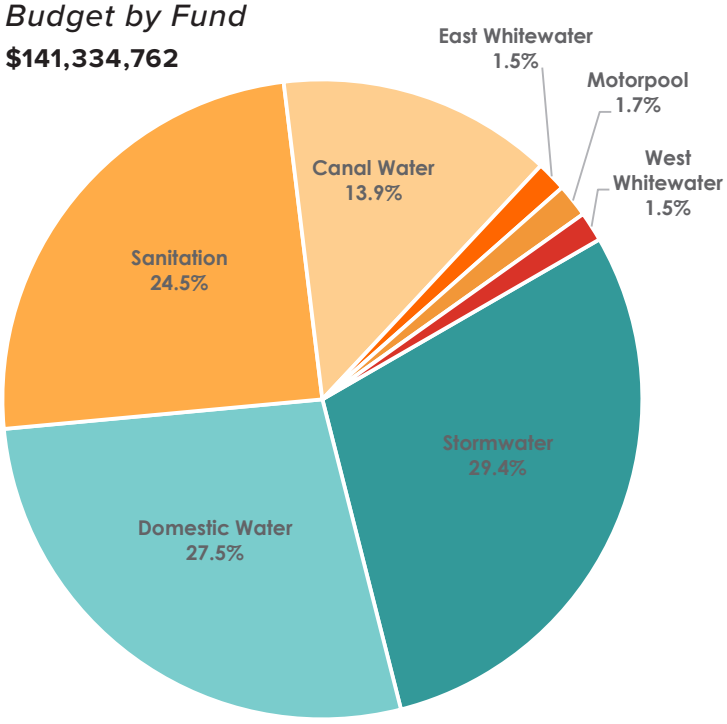
$344,084,546



Capital Improvement Expenses

Budget by Fund

$141,334,762



The Total Expenses by Fund summary details the total operating, debt service, and capital improvement budgets by fund. Operating and Debt Service expenditures reflect a 7.5% increase over the fiscal year 2023 budget. The Capital Improvement budget increased by $5.7 million when compared to the fiscal year 2023 revised budget.

Total Expenses by Fund	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Operating and Debt Service						
Domestic Water	$ 92,096,179	$ 103,461,790	$ 110,087,275	$ 100,624,649	$ (9,462,626)	-8.6%
State Water Project	61,537,509	65,899,406	73,159,388	94,013,010	20,853,622	28.5%
Sanitation	36,889,093	39,684,649	43,241,107	43,653,033	411,926	1.0%
Canal Water	26,965,908	49,052,576	33,905,416	39,389,265	5,483,849	16.2%
West Whitewater	26,510,682	42,842,263	26,696,193	33,821,173	7,124,980	26.7%
Stormwater	19,013,193	11,952,357	12,408,118	17,183,677	4,775,559	38.5%
East Whitewater	13,723,128	19,896,820	13,179,190	7,427,984	(5,751,206)	-43.6%
Motorpool	6,070,344	5,371,855	4,881,378	5,428,462	547,084	11.2%
Workers' Comp	972,063	1,081,420	1,278,312	1,278,986	674	0.1%
Mission Creek	595,366	1,164,461	572,765	714,634	141,869	24.8%
Dental	575,577	436,370	523,878	549,673	25,795	4.9%
Total Operating and Debt Service	**$ 284,949,044**	**$ 340,843,968**	**$ 319,933,020**	**$ 344,084,546**	**$ 24,151,526**	**7.5%**
Capital Improvement Projects						
Stormwater	$ 49,287,004	$ 70,402,127	$ 78,001,573	$ 41,499,060	$ (36,502,513)	-46.8%
Domestic Water	14,779,370	9,688,161	10,874,950	38,810,950	27,936,000	256.9%
Sanitation	27,214,996	18,698,822	31,239,362	34,661,485	3,422,123	11.0%
Canal Water	4,853,919	6,089,141	7,906,930	19,628,050	11,721,120	148.2%
Motorpool	106,833	1,922,880	2,488,000	2,376,597	(111,403)	-4.5%
West Whitewater	297,459	315,450	604,986	2,211,310	1,606,324	265.5%
East Whitewater	34,694,554	4,363,367	4,501,641	2,147,310	(2,354,331)	-52.3%
Total Capital Improvement Projects	**$ 131,234,137**	**$ 111,479,948**	**$ 135,617,442**	**$ 141,334,762**	**$ 5,717,320**	**4.2%**
Total Expenses	**$ 416,183,180**	**$ 452,323,916**	**$ 455,550,462**	**$ 485,419,308**	**$ 29,868,846**	**6.6%**

* *Unaudited*

The following table displays Districtwide revenues and expenses by type.

Revenue and Expense Summary	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Revenues						
Property Taxes - SWP	$ 79,688,626	$ 91,386,821	$ 82,079,284	$ 90,254,230	$ 8,174,946	10.0%
Water Sales	89,251,782	78,104,024	90,506,251	89,413,418	(1,092,833)	-1.2%
Property Taxes - General	49,077,385	55,903,701	49,981,929	54,340,933	4,359,004	8.7%
Loan Proceeds	92,281,960	59,871,298	62,297,551	50,261,000	(12,036,551)	-19.3%
Sanitation Service Fees	40,351,782	43,526,569	42,548,422	46,676,885	4,128,463	9.7%
Replenishment Charges	30,006,056	27,744,140	26,932,063	28,244,493	1,312,430	4.9%
Service Charges	21,452,547	21,422,185	20,074,396	21,065,827	991,431	4.9%
Intergovernmental	984,585	5,267,120	1,700,000	20,996,299	19,296,299	1135.1%
Grant Revenue	9,170,827	3,515,966	20,326,750	18,513,750	(1,813,000)	-8.9%
Use of Restricted Funds	10,060,500	2,109,016	12,455,873	13,118,900	663,027	5.3%
Charges for Services	13,164,854	16,149,797	11,032,747	12,564,911	1,532,164	13.9%
Investment Income	3,953,409	4,597,925	2,837,477	8,531,131	5,693,654	200.7%
Interfund Revenues	3,416,626	5,582,345	5,545,535	3,945,387	(1,600,148)	-28.9%
Availability Charges	2,871,603	2,965,344	2,726,680	2,705,000	(21,680)	-0.8%
Surcharges	1,161,897	1,156,178	2,156,694	1,835,620	(321,074)	-14.9%
Other Operating Revenue	2,180,733	2,582,040	1,132,215	1,260,000	127,785	11.3%
Capital Improvement Reimbursements	2,232,463	732,943	1,887,500	-	(1,887,500)	-100.0%
Other Non-Operating Revenue	256,709	-	-	-	-	-
Drought Penalties	-	10,849,396	-	-	-	-
Use of Unrestricted Reserves	-	18,857,108	19,329,095	21,691,524	2,362,429	12.2%
Total Revenues	**$ 451,564,345**	**$ 452,323,916**	**$ 455,550,462**	**$ 485,419,308**	**$ 29,868,846**	**6.6%**
Expenses						
Capital Improvement Budget	$ 131,234,137	$ 111,479,948	$ 135,617,442	$ 141,334,762	$ 5,717,320	4.2%
Water Purchases	90,950,840	82,666,190	98,632,114	123,472,865	24,840,751	25.2%
Salaries & Benefits (Net of Capitalized Labor)	84,966,234	87,699,166	95,637,767	98,432,098	2,794,331	2.9%
Supplies and Services	58,931,180	74,635,522	77,630,045	67,812,342	(9,817,703)	-12.6%
Utilities	21,620,579	22,793,047	23,090,549	23,231,220	140,671	0.6%
Replenishment	14,274,750	13,068,044	13,657,027	14,016,530	359,503	2.6%
Debt Service - External	12,595,942	4,446,675	7,241,379	8,847,766	1,606,387	22.2%
Debt Service - Interfund	3,416,626	5,582,345	5,545,535	3,945,387	(1,600,148)	-28.9%
QSA Mitigation Costs	2,697,555	2,706,745	2,706,000	3,285,205	579,205	21.4%
Capital Outlay	656,325	488,977	242,604	1,041,133	798,529	329.1%
Legal Claim Contingency Accrual	-	46,712,444	-	-	-	-
Other Revenue (Expenses)	-	44,813	-	-	-	-
Pass-Through (Contra Expense)	(5,160,987)	-	(4,450,000)	-	4,450,000	-100.0%
Total Expenses	**$ 416,183,180**	**$ 452,323,916**	**$ 455,550,462**	**$ 485,419,308**	**$ 29,868,846**	**6.6%**
Increase (Decrease) in Cash Flow	**$ 35,381,165**	**$ -**	**$ -**	**$ -**	**$ -**	**-**

* *Unaudited*

All Fund Summary

Fiscal year 2024 Total Revenues show an increase of 13.2% over fiscal year 2023, increasing by $44.2 million overall. Intergovernmental revenues are increasing by $19.3 million primarily due to curtailment revenue from the U.S. Bureau of Reclamation (USBR) within the Canal fund. Property tax revenue continues to grow due to strong growth in assessed value (AV) and reflects a $12.6 million increase over fiscal year 2023. A 5.5% increase in Domestic water rates and an 8.5% increase in Sanitation rates were adopted by the Board for fiscal year 2024. Budgeted operating expenses are increasing by $24.1 million, or 7.9%, over fiscal year 2023. An increase in water purchase expenses is the primary reason for the increase, as the District is expected to receive its full allocation of State Water Project water during fiscal year 2024. Details on specific increases are discussed in the following sections of this chapter.

All Fund Summary	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Revenues						
Water Sales	$ 89,251,782	$ 78,104,024	$ 90,506,251	$ 89,413,418	$ (1,092,833)	-1.2%
Drought Penalties	-	10,849,396	-	-	-	-
Sanitation Service Fees	40,351,782	43,526,569	42,548,422	46,676,885	4,128,463	9.7%
Service Charges	21,452,547	21,422,185	20,074,396	21,065,827	991,431	4.9%
Availability Charges	2,871,603	2,965,344	2,726,680	2,705,000	(21,680)	-0.8%
Replenishment Charges	30,006,056	27,744,140	26,932,063	28,244,493	1,312,430	4.9%
Surcharges	1,161,897	1,156,178	2,156,694	1,835,620	(321,074)	-14.9%
Property Taxes - General	49,077,385	55,903,701	49,981,929	54,340,933	4,359,004	8.7%
Property Taxes - SWP	79,688,626	91,386,821	82,079,284	90,254,230	8,174,946	10.0%
Charges for Services	13,164,854	16,149,797	11,032,747	12,564,911	1,532,164	13.9%
Intergovernmental	984,585	5,267,120	1,700,000	20,996,299	19,296,299	1135.1%
Investment Income	3,953,409	4,597,925	2,837,477	8,531,131	5,693,654	200.7%
Other Revenue	2,180,733	2,582,040	1,132,215	1,260,000	127,785	11.3%
Total Revenues	**$ 334,145,259**	**$ 361,655,240**	**$ 333,708,158**	**$ 377,888,747**	**$ 44,180,589**	**13.2%**
Expenses						
Salaries & Benefits (Net of Capitalized Labor)	$ 84,966,234	$ 87,699,166	$ 95,637,767	$ 98,432,098	$ 2,794,331	2.9%
Supplies and Services	58,931,180	74,635,522	77,630,045	67,812,342	(9,817,703)	-12.6%
Utilities	21,620,579	22,793,047	23,090,549	23,231,220	140,671	0.6%
Replenishment	14,274,750	13,068,044	13,657,027	14,016,530	359,503	2.6%
Water Purchases	90,950,840	82,666,190	98,632,114	123,472,865	24,840,751	25.2%
QSA Mitigation Costs	2,697,555	2,706,745	2,706,000	3,285,205	579,205	21.4%
Pass-Through (Contra Expense)	(5,160,987)	-	(4,450,000)	-	4,450,000	-100.0%
Capital Outlay	656,325	488,977	242,604	1,041,133	798,529	329.1%
Total Expenses	**$ 268,936,476**	**$ 284,057,691**	**$ 307,146,106**	**$ 331,291,393**	**$ 24,145,287**	**7.9%**
Operating Income (Loss)	**$ 65,208,784**	**$ 77,597,550**	**$ 26,562,052**	**$ 46,597,354**	**$ 20,035,302**	**75.4%**
Nonoperating Revenues (Expenses)						
Interfund Transfers						
Interfund Revenues	$ 3,416,626	$ 5,582,345	$ 5,545,535	$ 3,945,387	$ (1,600,148)	-28.9%
Debt Service - Interfund	(3,416,626)	(5,582,345)	(5,545,535)	(3,945,387)	1,600,148	-28.9%
Sources						
Loan Proceeds	92,281,960	59,871,298	62,297,551	50,261,000	(12,036,551)	-19.3%
Capital Improvement Reimbursements	2,232,463	732,943	1,887,500	-	(1,887,500)	-100.0%
Use of Restricted Funds	10,060,500	2,109,016	12,455,873	13,118,900	663,027	5.3%
Grant Revenue	9,170,827	3,515,966	20,326,750	18,513,750	(1,813,000)	-8.9%
Uses						
Debt Service - External	(12,595,942)	(4,446,675)	(7,241,379)	(8,847,766)	(1,606,387)	22.2%
Capital Improvement Budget	(131,234,137)	(111,479,948)	(135,617,442)	(141,334,762)	(5,717,320)	4.2%
Legal Claim Contingency Accrual	-	(46,712,444)	-	-	-	-
Other Revenue (Expenses)	256,709	(44,813)	-	-	-	-
Total Nonoperating Revenues (Expenses)	**$ (29,827,619)**	**$ (96,454,658)**	**$ (45,891,147)**	**$ (68,288,878)**	**$ (22,397,731)**	**48.8%**
Increase (Decrease) in Cash Flow	$ 35,381,165	$ (18,857,108)	$ (19,329,095)	$ (21,691,524)	$ (2,362,429)	12.2%
Beginning Reserve	$ 374,723,661	$ 410,104,825	$ 410,104,825	$ 391,247,717	$ (18,857,108)	-4.6%
Ending Reserve	**$ 410,104,825**	**$ 391,247,717**	**$ 390,775,730**	**$ 369,556,193**	**$ (21,219,537)**	**-5.4%**
Assigned Reserve	$ 192,658,016	$ 183,422,000	$ 183,422,000	$ 226,854,634	$ 43,432,634	23.7%
Unassigned Reserve	$ 217,446,809	$ 207,825,717	$ 207,353,730	$ 142,701,559	$ (64,652,171)	-31.2%
** Unaudited*						
Days Cash on Hand	*557*	*503*	*464*	*407*	*(57)*	-12.3%

Property Taxes

Property taxes are an ad valorem (value-based) tax imposed on real property and tangible personal property. Proposition 13, passed in 1978, limits property tax to a maximum of 1% of assessed value, not including voter-approved rates for bond issuances and other special purposes. The property's assessed value is capped at the 1975-76 base year, plus a maximum of a 2% increase per year. Property that declines in value may be reassessed at the lower market value. Upon a change of ownership, properties are reassessed to their current full value. Property tax revenue is collected by the county and allocated according to state law among cities, counties, school districts, and special districts.

Article XTTB of the California Constitution, commonly referred to as the Gann Appropriation Limit, adopted by California voters in 1980, placed limits on the amount of tax proceeds that the state and local agencies can appropriate and spend each year. The District is required to calculate the limit for each upcoming fiscal year, which the governing body must adopt by resolution. The amount of the limit is based on the amount of tax proceeds authorized to be spent in fiscal year 1978-1979, modified for changes in per capita income and population. The appropriation limit applies to non-voter taxes; therefore, the State Water Project is exempt from the calculation.

The District's fiscal year 2023-24 appropriation limit is $63,289,701. Based upon the estimated general tax receipts of $54,340,933, the District is under the required limit and is able to appropriate 100% of its general taxes for fiscal year 2024.

Some property tax revenue is earmarked for tax levies that existed prior to Proposition 13. Currently, the District has two: Stormwater and Improvement District 1 (ID 1). The Stormwater tax levy dates back to the Storm Water District Act of 1909. Of the total general property taxes, $25.5 million is earmarked for the Stormwater Fund. Property taxes primarily fund the Stormwater Fund.

ID 1 was formed to fund contract repayment obligations for the Coachella Canal construction and operation and maintenance costs of the irrigation and drainage system. The U.S. Bureau of Reclamation (USBR, Bureau) owns the Canal but is maintained and operated by the District. After the debt to the Bureau was paid, the District continued to levy the ID 1 tax for the purpose of maintaining the Canal.

In addition to the Stormwater and ID 1 tax, there are other Improvement District property taxes resulting from older bond issues that benefited the Domestic Water and Sanitation Funds.

After the earmarked property taxes are distributed to the appropriate funds, the balance, or discretionary tax, is allocated to the enterprise funds as determined by the Board of Directors and adopted during the annual budget process.

The following table depicts, by fund, a history of the allocation of discretionary property tax revenue. The change in the allocation percentage in fiscal years 2023 and 2024 is due to the additional allocation of discretionary property tax revenue from the East Whitewater Replenishment fund to the Sanitation fund to limit required rate increases. Redevelopment revenues represent pass-through agreements with former Redevelopment Agencies (RDAs) and are budgeted at prior-year levels. Funds with more redevelopment revenues will have a lower property tax allocation percentage overall.

Allocation of Discretionary Property Taxes

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
Domestic Water	10.9%	11.4%	11.1%	11.5%	11.6%
Canal Water	50.0%	51.0%	40.2%	43.3%	39.5%
Sanitation	-	-	-	-	15.2%
Stormwater	-	-	-	-	-
West Replenishment	11.5%	11.2%	11.3%	10.8%	11.1%
East Replenishment	27.6%	26.4%	37.4%	34.4%	22.6%

Retirement Benefits

The District participates in the California Public Employees' Retirement System (CalPERS). CalPERS offers a defined benefit plan where retirement benefits are based on a formula rather than contributions and earnings to a savings plan. The District's formula for Classic CalPERS members is 2.5% at 55, which means that, upon retirement at age 55, an employee with at least five years of service would receive 2.5% of their salary multiplied by the number of years of service. The CalPERS formula for PEPRA members is 2% at 62. The District must contribute an actuarially calculated amount each year, comprised of two components: the normal cost and the unfunded accrued liability (UAL).

Water Purchases

The District imports water from four sources: the Colorado River, the Metropolitan Water District of Southern California (MWD), Rosedale-Rio Bravo, and the State Water Project (SWP).

Colorado River Water

The District imports approximately 300,000 acre-feet (af) of water annually at no additional cost. The District receives additional water as part of the 2003 Quantification Settlement Agreement (QSA). The cost of the additional QSA water is based on the terms of the QSA agreement. See the Canal Water fund for additional information. The cost of the water purchased from the QSA agreement is approximately $117 per acre-foot in fiscal year 2024.

Metropolitan Water District

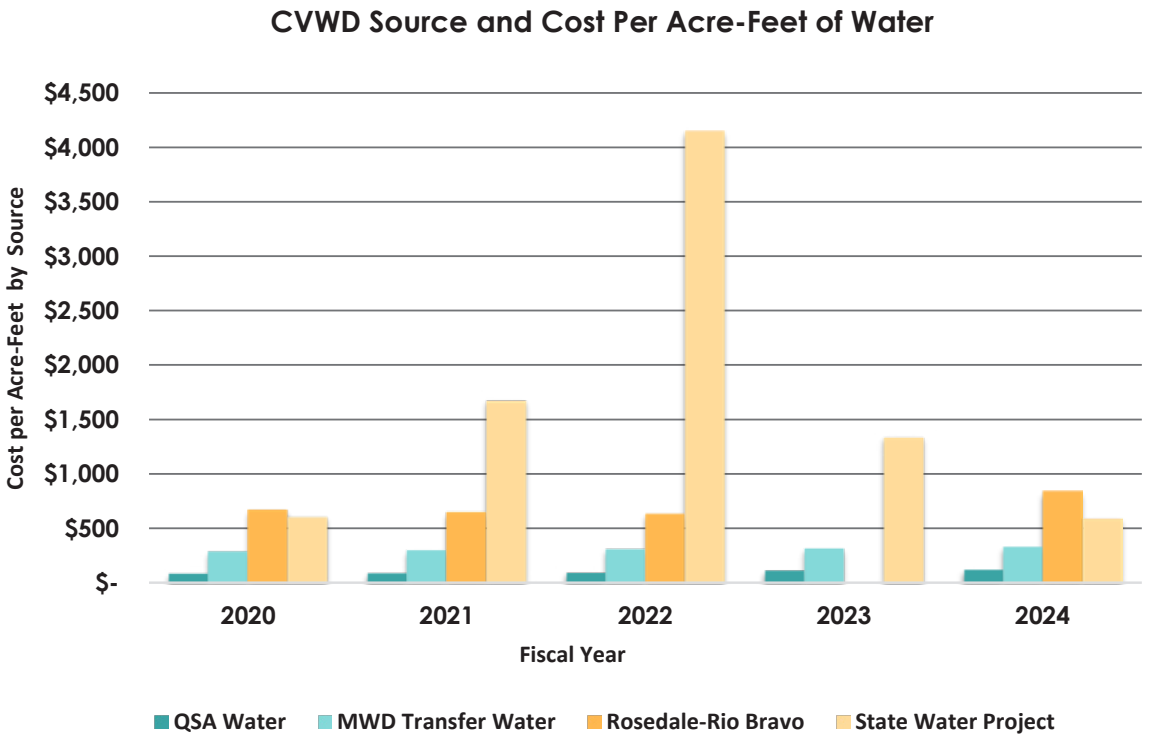
In addition to the QSA water from the Colorado River, the District receives water from the State Water Project as part of the QSA. This water is identified as Metropolitan Water District QSA Transfer water and is currently being delivered to the West Whitewater Replenishment Fund. Through its agreement with MWD, the District is entitled to receive 35,000 af of water. The cost of the water is dependent upon the QSA water cost and the cost of conveyance that is charged to the District by MWD to deliver the water to the replenishment facility. The cost of the water for fiscal year 2024 is estimated at approximately $326 per acre-foot. See the West Whitewater Replenishment Fund for more information.

Rosedale-Rio Bravo

The District entered into a Water Supply Agreement in 2012 with Rosedale-Rio Bravo to purchase up to 16,500 af of water per year, if available. The cost of the water is adjusted annually based on a base rate plus a CPI inflator. The District expects to receive 9,500 af of Rosedale-Rio Bravo water for fiscal year 2024 at a rate of approximately $833 per af.

State Water Project

The SWP is the nation's largest state-built water and power development conveyance system. The primary purpose of the SWP is to provide a water supply and delivery system to distribute water to areas of need in California. In 1963, the District entered into a water supply agreement with the State of California Department of Water Resources (DWR), becoming one of the original State Water Contractors. Each SWP contractor pays in proportion to their water supply allocations to cover the cost of constructing and operating facilities that store and transport the SWP water supply. Full payments are made each year for fixed SWP costs. Contractors also pay costs that vary depending on the amount of water delivered during the year. Availability of the water supply is highly variable based on the snowpack in the Sierras. As such, the cost per acre-foot is extremely variable. As shown in the graph below, the cost of SWP water has fluctuated between $612 per acre-foot in 2020 to $4,150 per acre-foot in 2022. The cost of SWP is budgeted at approximately $596 per acre-foot in fiscal year 2024 due to the projected increase in water that is available in calendar year 2023 due to winter storms. More information on the SWP can be found in the State Water Fund section.



Reserves

One measure of the District's financial strength is the level of reserves or the accumulated revenues in excess of expenses. Although there is no set rule or formula for setting reserve levels, the need is determined primarily by the amount and degree of risk associated with revenues, pay-as-you-go vs. capital financing, and the requirements to fund emergencies or contingencies. In addition, the Government Finance Officers Association (GFOA) offers best practices for setting reserve levels, which the District has followed. As described in the Overview chapter, the District has adopted a reserve policy to signal to ratepayers, rating agencies, and regulatory agencies that the Board is committed to the District's long-term financial health and vitality.

Maintaining healthy operating reserves is paramount to ensuring the District's stable financial position for future borrowings. Some capital improvements are anticipated to be financed with debt or other loan instruments. Projected total reserves for fiscal year 2024 are $21.8 million less than fiscal year 2023 budget, as funds are being drawn down to fund capital projects.

The District has historically financed capital projects on a pay-as-you-go basis, utilizing excess reserves, which has allowed for the avoidance of interest and other debt issuance expenses. Beginning in fiscal year 2021, the need to complete larger capital projects required the issuance of debt, which now includes the East Replenishment, Domestic Water, and Stormwater funds. The District also has loans with the State Water Resources Control Board (SWRCB) for Domestic water and Sanitation (Nonpotable) projects and the U.S. Bureau of Reclamation (USBR) for the Canal fund. The five-year forecast includes over $585 million in proposed capital improvement projects. Numerous funding mechanisms are being explored to fund these critical projects, including debt issuance, State Revolving Fund loans, Federal Emergency Management Agency grants, and other grant funding.

The following table illustrates the projected ending operating reserves compared to the Assigned Reserve targets established in the District's Reserve Policy. The Reserve Policy has two benchmarks: (1) minimum reserve targets for each type of reserve and (2) a Districtwide target of 365 days of cash on hand for total Assigned and Unassigned reserves.

Reserves by Fund	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	% of Total Reserves	Days Cash per Fund
Total Reserves by Fund						
Stormwater	$ 140,066,023	$ 142,991,739	$ 123,071,643	$ 123,474,747	33.4%	4,072
Domestic Water	70,993,732	71,988,985	63,350,247	63,693,664	17.2%	233
State Water Project	36,139,799	61,980,909	45,310,942	59,202,634	16.0%	230
Canal Water	55,910,926	41,301,235	54,809,500	53,348,439	14.4%	494
Sanitation	58,796,262	48,925,941	51,144,620	47,608,445	12.9%	398
West Whitewater	36,147,613	18,486,677	38,995,641	12,700,167	3.4%	155
East Whitewater	5,783,534	-	7,722,486	3,989,313	1.1%	263
Mission Creek	4,262,408	3,758,024	4,291,483	3,724,577	1.0%	1,902
Motorpool	1,162,528	976,332	1,237,168	976,332	0.3%	66
Workers' Comp	994,859	837,874	994,859	837,874	0.2%	239
Dental	(152,858)	-	(152,858)	-	0.0%	-
Total Reserves	**$ 410,104,825**	**$ 391,247,717**	**$ 390,775,730**	**$ 369,556,193**	**100.0%**	**407**
Assigned Reserves by Fund						
State Water Project	$ 20,000,000	$ 20,000,000	$ 20,000,000	$ 59,202,634	26.1%	230
Stormwater	48,020,000	47,139,000	47,139,000	50,283,000	22.2%	1,658
Domestic Water	45,839,000	42,006,000	42,006,000	43,323,000	19.1%	158
Canal Water	32,381,000	34,718,000	34,718,000	37,445,000	16.5%	347
Sanitation	30,897,016	24,378,000	24,378,000	19,738,000	8.7%	165
West Whitewater	11,472,000	9,590,000	9,590,000	11,995,000	5.3%	147
East Whitewater	3,865,000	5,383,000	5,383,000	4,622,000	2.0%	305
Mission Creek	184,000	208,000	208,000	246,000	0.1%	126
Total Assigned Reserves	**$ 192,658,016**	**$ 183,422,000**	**$ 183,422,000**	**$ 226,854,634**	**100.0%**	**256**

* *Unaudited*

The following table details the designated and restricted categories of reserves as defined by the District's Reserve Policy. The amounts are calculated based on the Reserve Policy definitions.

FY 2024 Reserve by Type	Domestic	Canal	Sanitation	Stormwater	Replenishment	State Water Project	Total
Designated							
Operating	$ 24,901,000	$ 9,835,000	$ 10,788,000	$ 2,758,000	$ 9,026,000	$ 47,007,000	$ 104,315,000
Rate Stabilization	9,960,000	3,934,000	820,000	-	3,598,000	-	18,312,000
Capital Improvement	4,998,000	2,184,000	4,005,000	23,774,000	1,066,000	-	36,027,000
Emergency	827,000	21,412,000	3,738,000	17,600,000	1,203,000	-	44,780,000
Vehicle Replacement	1,796,000	80,000	387,000	34,000	80,000	-	2,377,000
SWP Water Purchases	-	-	-	-	-	12,195,634	12,195,634
Total Designated Reserves	**$ 42,482,000**	**$ 37,445,000**	**$ 19,738,000**	**$ 44,166,000**	**$ 14,973,000**	**$ 59,202,634**	**$ 218,006,634**
Restricted							
Debt Service Coverage	841,000	-	-	6,117,000	1,890,000	-	8,848,000
Total Restricted Reserves	**$ 841,000**	**$ -**	**$ -**	**$ 6,117,000**	**$ 1,890,000**	**$ -**	**$ 8,848,000**
Total Assigned Reserves	**$ 43,323,000**	**$ 37,445,000**	**$ 19,738,000**	**$ 50,283,000**	**$ 16,863,000**	**$ 59,202,634**	**$ 226,854,634**

Cost of Service Studies

The District completed cost of service studies (COSS) for the Domestic, Canal, and Replenishment funds in fiscal year 2021 and the Sanitation fund in fiscal year 2022. The studies reviewed the existing rate structures, allocated revenue requirements to the various customer classes, evaluated the adequacy of projected revenues under existing rates, and developed a sound financial plan for the forecast period. Rate setting procedures in California require that agencies responsible for imposing property-related charges demonstrate a nexus between the cost of providing the service and the services or benefits received. The consultants used standard water utility ratemaking practices to calculate the proposed rates, as promulgated by the American Water Works Association (AWWA). Rates adopted by the Board are included in fiscal year 2024 budget, and proposed rates are included in the five-year forecast.

The rate recommendations are designed to fund each fund's long-term costs of providing service while proportionally allocating costs among customers, providing a reasonable and prudent balance of revenue stability, and complying with the substantive requirements of California Constitution Article XIII D, section 6, commonly known as Proposition 218, to the extent that they apply to a particular charge. The Board reviews the proposed rates each year as part of the budget adoption process.

The Five-Year Forecast

The forecast on the following page is a model that takes a forward look at the District's revenues and expenses with the purpose of identifying financial trends, shortfalls, and issues so the Board and management can make proactive decisions. The financial forecast is not intended as a budget or as a proposed financial plan but is designed to give an indication of each fund's financial position under current assumptions. The forecast sets the stage for the upcoming budget process, aiding the General Manager and Board in establishing priorities and allocating resources appropriately.

The forecast is based on cash flow and differs from the District's audited financial statements. Financial statements exclude capital outlay and principal on debt in accordance with GAAP since these are reflected as additions to assets and reductions to liabilities on the balance sheet.

By including all cash-based transactions in the forecast, the District can determine whether revenues are adequate to cover all expenses and future capital needs. Forecasting is one of the most powerful tools the District has available to help make informed financial decisions that will ensure the District's future vitality and economic stability.

All Fund Summary Five-Year Forecast	FY 2024 Budget	FY 2025 Forecast	FY 2026 Forecast	FY 2027 Forecast	FY 2028 Forecast
Revenues					
Water Sales	$ 89,413,418	$ 94,863,695	$ 101,996,882	$ 110,714,899	$ 117,898,118
Sanitation Service Fees	46,676,885	51,090,681	55,936,766	61,246,636	66,552,512
Service Charges	21,065,827	22,354,703	23,852,947	25,392,787	27,031,639
Availability Charges	2,705,000	2,705,000	2,705,000	2,705,000	2,705,000
Replenishment Charges	28,244,493	28,199,739	28,745,395	29,662,706	30,983,804
Surcharges	1,835,620	2,472,044	2,918,429	3,395,855	3,647,617
Property Taxes - General	54,340,933	55,427,751	57,090,583	58,803,301	60,567,401
Property Taxes - SWP	90,254,230	92,059,314	92,782,191	81,868,663	91,170,510
Charges for Services	12,564,911	13,082,385	13,522,248	14,065,403	14,603,412
Intergovernmental	20,996,299	19,098,551	11,635,703	4,405,839	4,451,609
Investment Income	8,531,131	11,086,684	14,159,153	14,543,522	14,336,567
Other Revenue	1,260,000	1,260,000	1,260,000	1,260,000	1,260,000
Total Revenues	**$ 377,888,747**	**$ 393,700,547**	**$ 406,605,297**	**$ 408,064,611**	**$ 435,208,189**
Expenses					
Salaries & Benefits (Net of Capitalized Labor)	$ 98,432,098	$ 103,615,194	$ 108,640,720	$ 114,134,880	$ 118,602,125
Supplies and Services	67,812,342	70,391,453	72,643,511	74,652,361	76,719,905
Utilities	23,231,220	25,089,713	27,846,890	30,764,645	33,105,804
Replenishment	14,016,530	14,477,790	14,976,806	15,555,161	16,205,316
Water Purchases	123,472,865	115,466,160	118,699,780	122,445,880	128,442,028
QSA Mitigation Costs	3,285,205	-	-	-	-
Capital Outlay	1,041,133	1,093,192	1,147,855	1,205,250	1,265,515
Total Expenses	**$ 331,291,393**	**$ 330,133,502**	**$ 343,955,562**	**$ 358,758,177**	**$ 374,340,693**
Operating Income (Loss)	**$ 46,597,354**	**$ 63,567,045**	**$ 62,649,735**	**$ 49,306,434**	**$ 60,867,496**
Nonoperating Revenues (Expenses)					
Interfund Transfers					
Interfund Revenues	$ 3,945,387	$ 3,945,387	$ 3,945,387	$ 3,945,387	$ 3,945,387
Debt Service - Interfund	(3,945,387)	(3,945,387)	(3,945,387)	(3,945,387)	(3,945,387)
Sources					
Loan Proceeds	50,261,000	33,096,000	28,868,750	26,226,750	27,165,000
Use of Restricted Funds	13,118,900	19,363,900	17,505,000	17,913,407	19,569,329
Grant Revenue	18,513,750	24,788,500	28,583,750	20,103,250	17,992,250
Uses					
Debt Service - External	(8,847,766)	(10,503,774)	(11,688,712)	(18,325,105)	(19,684,187)
Capital Improvement Budget	(141,334,762)	(122,623,750)	(116,009,106)	(100,876,511)	(104,185,657)
Pending Litigation Accrual	-	(4,840,399)	-	-	-
Other Revenue (Expenses)	-	205,559	205,559	205,559	205,559
Total Nonoperating Revenues (Expenses)	**$ (68,288,878)**	**$ (60,513,964)**	**$ (52,534,759)**	**$ (54,752,650)**	**$ (58,937,707)**
Increase (Decrease) in Cash Flow	$ (21,691,524)	$ 3,053,081	$ 10,114,976	$ (5,446,216)	$ 1,929,789
Beginning Reserve	$ 391,247,717	$ 369,556,193	$ 372,609,274	$ 382,724,250	$ 377,278,035
Ending Reserve	**$ 369,556,193**	**$ 372,609,274**	**$ 382,724,250**	**$ 377,278,035**	**$ 379,207,824**
Assigned Reserve	$ 226,854,634	$ 238,120,529	$ 254,240,150	$ 264,436,994	$ 273,581,009
Unassigned Reserve	$ 142,701,559	$ 134,488,745	$ 128,484,100	$ 112,841,041	$ 105,626,815
Days Cash on Hand	*407*	*412*	*406*	*384*	*370*

Forecast Methodology

Economic forecasting is not an exact science. Forecasted amounts are estimates based on historical data, current year budgeted costs, and professional judgment when applying forward-looking factors. The forecast serves as a general guideline and requires regular adjustment, as actual results may vary from the forecast.

To enhance the accuracy of projections, the Finance department identifies factors that contribute to changes in revenues and expenses, such as development, inflation, personnel costs, expected service levels, interest rates, drought, and known future events that impact operations and capital needs. Forecasting should neither overstate revenues nor understate expenses.

Many items are beyond the scope of the financial model and control of the Board and staff. Events that could impact the District's financial future include prolonged drought, changes in economic growth or recession, energy costs, water supply, environmental and water quality mandates, and other events such as a major earthquake or flood.

Major Assumptions in the Five-Year Forecast

The base year that drives future calculations is fiscal year 2023. Projections through April 2023 were used, as the budget is adopted prior to the end of the fiscal year. This method focuses on the best estimate of what will occur with year-end expenses and utilizes a conservative approach to forecast year-end revenues. Overall assumptions impacting all funds are described in this section, while assumptions impacting a specific fund are located in the individual budget by fund sections.

Major Revenues

Water sales reflect Domestic rate increases in fiscal year 2024 and stabilized consumption as the District moves beyond the Level 2 drought requirements that impacted consumption in fiscal year 2023. Canal water volume reflects reductions in replenishment sales to the East Replenishment fund for the next three years due to a voluntary curtailment agreement with USBR, with increases over the forecast period as the Oasis project comes online and customers begin to switch from groundwater to canal water. Nonpotable water sales increase based on anticipated new connections. Rate increases are applied based on the expected need of individual funds but remain at or below the currently approved Proposition 218 rates during the forecast period.

Sanitation Service Fees reflect the cost of service rates approved by the Board for fiscal year 2024. The Board has the discretion to adopt rates at or below the Proposition 218 rates in any given year.

Service charge revenue reflects increases based on the expected need of individual funds but remains at or below the currently approved Proposition 218 rates.

Replenishment revenues reflect the expected needs of each replenishment fund and are held at or below the current Proposition 218 rates during the forecast period. The Board will reevaluate increases in future years as part of the budget adoption process.

Fiscal Year 2024 Property Tax revenues are based on prior year collections, with an increase throughout the forecast period of between 2.1% and 3% per year. Assessed Value growth remains strong in the short term. However, sales have softened due to rising interest rates.

Investment income is a function of the cash balance in each fund and expected returns based on market conditions. The Investment rate of return is forecasted to grow between 2.1% and 3.8% over the forecast period and has been assisted by the District's recent inclusion of higher short-term investment returns with the California Asset Management Program (CAMP) and the California Local Agency Investment Fund (LAIF). Additional rate increases by the Federal Reserve Board later in 2023 may have an impact on future rates as the forecast is updated next year.

Major Expenses

Salaries & benefits comprise 29.7% of fiscal year 2024 operating expenses. Key factors for this category include anticipated wage increases, retirement contributions, and health insurance. Budgeted staffing levels remain at 570 full-time equivalents (FTEs) throughout the forecast period. Salaries & benefits for fiscal year 2024 are based on current Memorandums of Understanding (MOUs). The five-year forecast includes an average 4.8% yearly increase in salaries and benefits.

Supplies & services are estimated to increase by an average of 3.1% per year throughout the forecast period. The District will continue to monitor recent increases in inflation to determine if additional adjustments will be needed in future years.

Utility rates are forecasted to increase by approximately 9.3% per year for the forecast period. Changes in consumption and additional rate increases may impact future forecasts.

Water purchases total 37.3% of the total operating expenses. Increases in water purchases are based on projected water deliveries with existing contracts with multiple agencies. Water supply availability from the State Water Project is highly variable and based on weather conditions. The District expects the full allotment of Table A water in calendar year 2023 and shifts back to an estimated 50% allocation in future forecast years. The State Water Project fund section provides greater detail on water supply availability.

DOMESTIC WATER FUND



History

Water was initially provided to Coachella Valley homes and non-agricultural businesses by small, independent water companies. As the valley's population grew, most of these companies found that they could no longer keep up with the infrastructure needs of the growing communities.

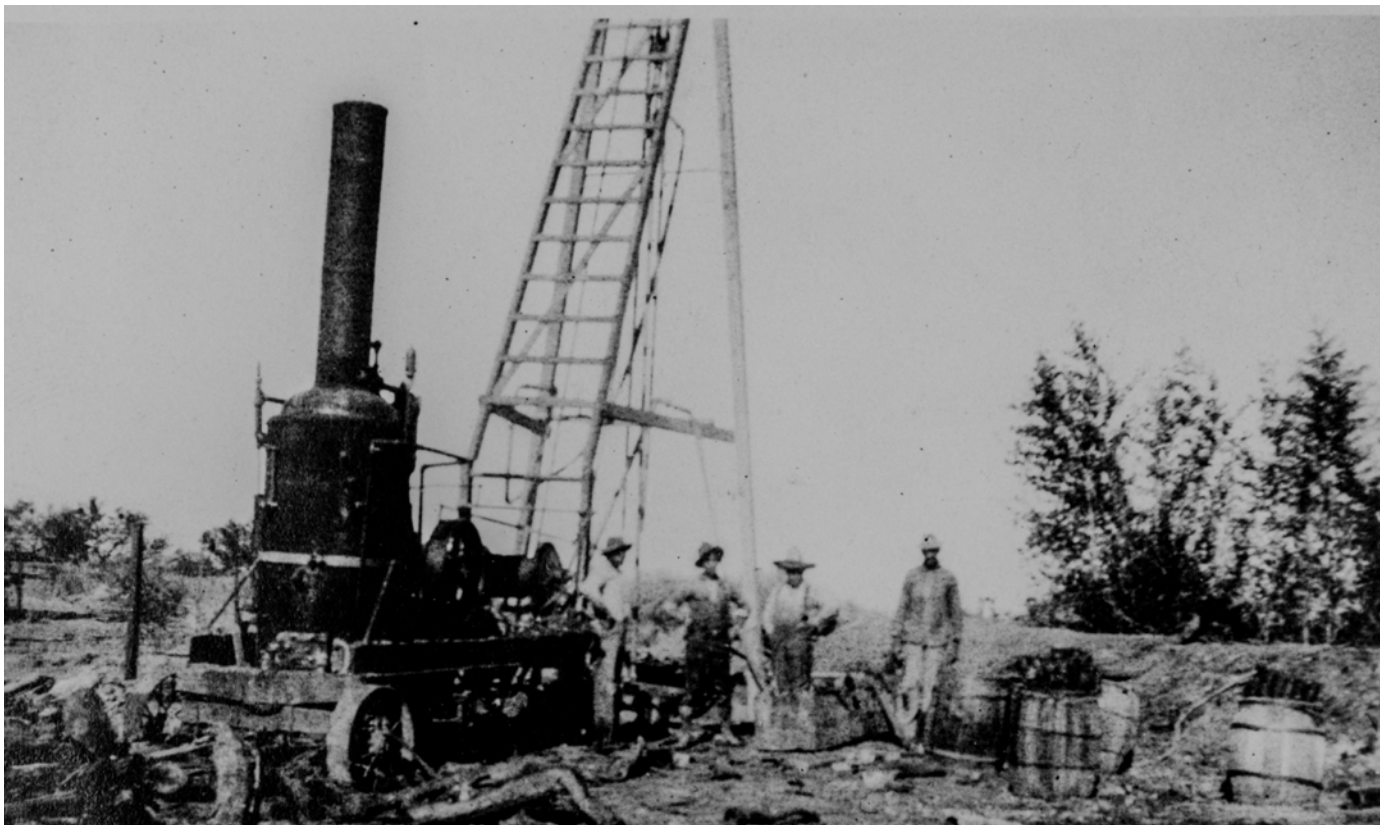
In 1961, the District expanded its strategic role of safeguarding the Valley's domestic groundwater supplies by contracting with the State Department of Water Resources to import State Water Project water for groundwater replenishment purposes. The State of California had a requirement that it would only contract with a public agency for the new State Water Project. The District understood the necessity of importing water into the Valley to ensure a more consistent supply. So, it applied to receive an original allotment of 23,100 acre-feet (af) of water.

Coachella Valley County Water District (CVCWD) started providing domestic water service with the acquisition of Palm Desert Water Company in 1961. The district considered Palm Desert Water Company to be "a well-engineered system, possessing good wells and storage facilities" that served more than 700 homes and businesses, according to the district's annual report for 1962.

CVCWD also acquired two other domestic water systems serving Eldorado Country Club in Indian Wells and the Silver Spur Subdivision in Palm Desert and a private water agency, the La Quinta Palms Subdivision Water Facilities, at roughly the same time.

The district's domestic water company acquisitions grew quickly after 1961 with the valley's population growth, prompting privately held water companies to seek help from CVCWD. By 1967, the District had purchased or absorbed the operations of over 25 small water systems. In 1961, the District served only 1,100 households and businesses, but this increased tenfold by 1973 to 10,741.

Today, the District is the largest drinking water provider in the Valley and delivers water to over 113,000 accounts, representing a served population of approximately 270,000.



Drilling a Well in the Early 1900s.



CVWD Crew Installs Pipe

Background

Drinking water, also known as domestic water, comes from the Coachella Valley's vast aquifer. Groundwater, pumped from wells up to 1,200 feet deep, is stored in one of the District's 67 enclosed reservoirs for later use. While the aquifer has an estimated capacity of 39 million af, the Coachella Valley must manage its water supplies to avoid overdraft. The California Department of Water Resources defines overdraft as "the condition of a groundwater basin in which the amount of water withdrawn by pumping over the long term exceeds the amount of water that recharges the basin." That is, more water has been pumped from the groundwater basin than has been naturally or artificially replenished. Over the past ten fiscal years, the amount of groundwater in storage has increased due to artificial replenishment and other management activities. To manage groundwater overdraft, the District, in cooperation with Desert Water Agency (DWA), has four groundwater replenishment facilities in various areas across the valley. The Domestic Water Fund makes transfers to the three replenishment funds to reflect costs originally accounted in those funds, which reflect the benefit to the domestic fund of the District's recharge efforts. Such transfers are based on the total acre-feet of water pumped from District wells within each subbasin.

The water for replenishment comes from the State Water Project (SWP) and the Colorado River. Although there is not a direct connection to the SWP system, CVWD exchanges water on an acre-foot-for-acre-foot basis with Metropolitan Water District of Southern California (MWD) to obtain the District's allotment. The cost for imported SWP water for fiscal year 2024 is budgeted at approximately $596 per af. The Colorado River base allocation of 301,000 af comes at zero supply cost (there are transportation, O&M, and other costs); however, the additional water received from the Colorado River is budgeted at $117 per af.

Groundwater pumped from the aquifer requires minimal treatment to meet all state and federal drinking water quality standards. Routine tests confirm groundwater produced by active CVWD wells is free of regulated bacteria. A small amount of chlorine is added to ensure drinking water served from the District's vast system of pipes complies with drinking water regulations. Arsenic that occurs naturally in portions of the Coachella Valley groundwater basin is found in a small number of wells. Treatment facilities are used to reduce arsenic levels below allowable levels.

CVWD staff collect more than 16,000 water samples and tests for more than 100 regulated and unregulated substances each year. Many of these tests are performed at the District's state-certified water quality laboratory. Results from these water quality tests are included in the annual review and made available to District customers each June.

The District operates 94 active wells, with the ability to pump 237 million gallons per day (MGD). The combined reservoir storage capacity is approximately 171.7 million gallons. Reservoirs are secured sites primarily located in elevated areas, using gravity to bring water to homes and businesses. Water is delivered via a network of 2,043 miles of distribution piping. Daily demand for drinking water in 2022 averaged 81.4 million gallons, equal to 91,230 af per year.

HOW IS WATER MEASURED?

What is one hundred cubic feet (Ccf) of water?

This is the unit of measure used when measuring and billing water to domestic water customers. One hundred cubic feet of water, or one Ccf, is equal to 748 gallons of water. For example, a typical bath tub holds 50 gallons of water. It takes about 15 bath tubs full of water to equal one Ccf.

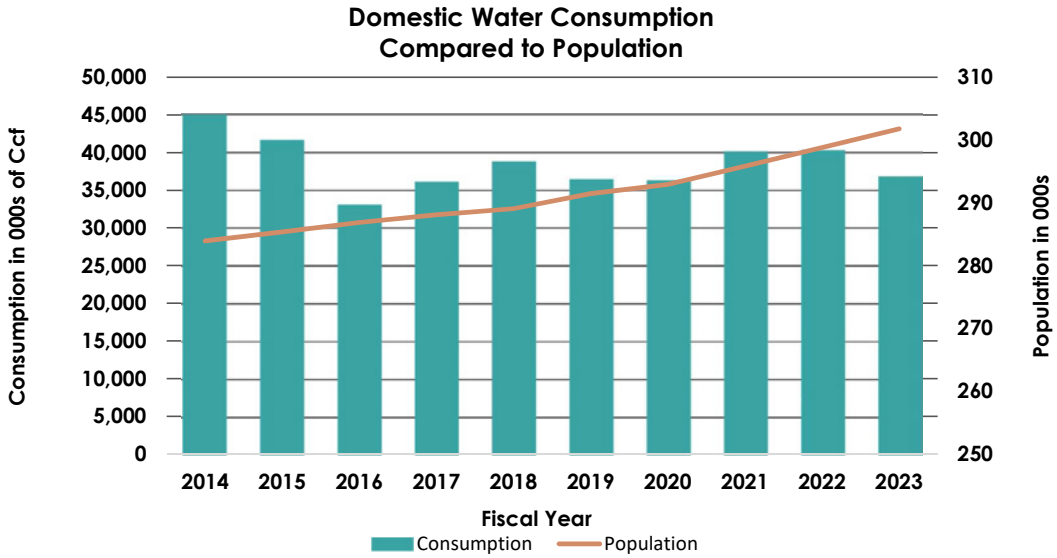
What is an acre-foot?

Water is commonly measured by the acre-foot. The acre-foot measurement is what is used when the District sells large quantities of water to farmers, golf courses and well producers in the Coachella Valley.

One acre-foot equals 325,851 gallons. Put another way, an acre-foot of water is enough to flood a football field - which is roughly an acre in size - one foot deep.

Water Consumption

Actual water consumption for fiscal year 2023 was 8.6% lower than fiscal year 2022, as shown in the graph below. Temperatures have remained warmer than the normal (average), along with lower than normal (average) precipitation for the past two fiscal years. However, Level 2 drought restrictions and the implementation of drought penalties impacted use. Drought penalties were removed in April 2023 due to the wet winter and record snowpack throughout the state.



Account growth also has an impact on consumption. As depicted in the table below, the number of domestic water accounts over the past ten years increased by 7.6%. While the District has experienced account growth through increases in population, per capita consumption has been largely decreasing.

Conservation

All residential customers and most large landscape customers use domestic water for their outdoor irrigation needs. CVWD's domestic customers, on average, use 70% of their total consumption for outside landscaping.

Active Accounts

Year	Number of Accounts	Increase in Quantity	% Increase	Cumulative % Increase
2014	105,472	672	0.6%	0.0%
2015	106,055	583	0.6%	0.6%
2016	106,409	354	0.3%	0.9%
2017	106,967	558	0.5%	1.4%
2018	107,856	889	0.8%	2.3%
2019	108,582	726	0.7%	2.9%
2020	109,489	907	0.8%	3.8%
2021	110,899	1,410	1.3%	5.1%
2022	112,180	1,281	1.2%	6.4%
2023	113,481	1,301	1.2%	7.6%

One of the most common causes of water waste in the Coachella Valley is overwatering outdoors. For this reason, outdoor water conservation is the primary focus of the District's public outreach and water conservation programs. One of the most successful programs has been the installation of smart controllers for residential customers and large landscape accounts, such as homeowner's associations. Smart controllers automatically set the amount of water the landscape receives each day based on the weather. Smart controllers can reduce outdoor consumption by as much as 30%.

The District offers free installed smart controllers for residents and refunds of 75% of the cost for HOA and commercial customers. In fiscal year 2023, the District installed 229 residential and 171 large landscape smart controllers. This program has saved over 251,835 acre-feet of water since 2006.

The turf buy-back program is another popular program the District provides to help reduce outdoor irrigation. The District pays residential customers $2 per square foot, up to a maximum of 10,000 square feet. For commercial customers, rebates are available at $2 per square foot, up to a maximum of 50,000 square feet. In fiscal year 2023, an additional 3,927,880 square feet of turf was replaced with desert-friendly landscape. To date, through CVWD's rebate program, desert landscaping has replaced more than 23.5 million square feet of grass. This results in an estimated savings of 29,195 acre-feet of water since 2009.

In addition, the High-Efficiency Toilet Replacement Program has saved over 572 acre-feet of water, with an additional 592 toilets replaced in 2023.

Water Management's budget for fiscal year 2024 is $6.1 million, with $2.9 million budgeted for conservation programs. Interest in turf rebates and other conservation programs had declined for several years with the elimination of the previous drought declaration. In 2023, the turf rebate program gained significant attention, with CVWD increasing the rebate to $3 per square foot, with several local cities offering a match to encourage turf conversion. Homeowners replaced approximately 1.7 million square feet of turf in fiscal year 2023.

Rate Structure

The District uses a budget-based tiered rate structure to curb excess water use and reward water-efficient customers while reflecting cost-of-service principles. Tiered rates helped the District meet legislation enacted by the State of California to reduce per capita urban water use by 20% by the year 2020. Districtwide, domestic water consumption has dropped 30.1% since the implementation of budget-based rates in 2009.

The District's cost-justified, budget-based tiered rate structure is designed to encourage conservation and efficient use, both inside and outside the home. Since the majority of the water used by Coachella Valley residents is outdoors, the District factors in landscaping and weather conditions when calculating water budgets. For example, a water budget for a single-family home uses the following assumptions:

Each customer is given a default indoor water use budget of 8 ccf per month (equal to 200 gallons per day for a family of four), which is consistent with current industry standards.

45% of each lot is assumed to be landscaped, and irrigated weather data is based on a daily five-year average.

As illustrated in the table below, there are five tiers, with the first two tiers designed to meet the needs of an average single-family home of four people. All use in excess of tier 2 is considered inefficient and is charged at a higher rate to cover the incremental costs of providing water in excess of efficient use.

During fiscal year 2021, the District completed a cost of service study for the Domestic Water Fund that analyzed system usage, costs, and revenues. During budget development, the Board analyzed projected revenues and expenses and, in June 2023, elected to increase rates for fiscal year 2024. The tiered consumption rates for fiscal year 2024 are listed in the table below.

Tiered Rate Structure

Tier	Rate	Single-Family	Multi-Family	Commercial	Landscape Irrigation
Tier 1 – Excellent	$ 0.99	Up to 8 Ccf	Up to 8 Ccf	n/a	n/a
Tier 2 – Efficient	$ 1.23	Up to 100% of budget	Up to 100% of budget	8 Ccf per EDU*	Up to 100% of budget
Tier 3 – Inefficient	$ 3.79	|----------100% to 175% of budget---------- |			
Tier 4 – Excessive	$ 4.44	|----------175% to 300% of budget---------- |			
Tier 5 – Wasteful	$ 6.79	|----------300% or more---------- |			

* Equivalent Dwelling Unit (EDU) is a term used to compare the flows generated from a commercial account to those generated by a single-family residential unit.

Fixed Rates

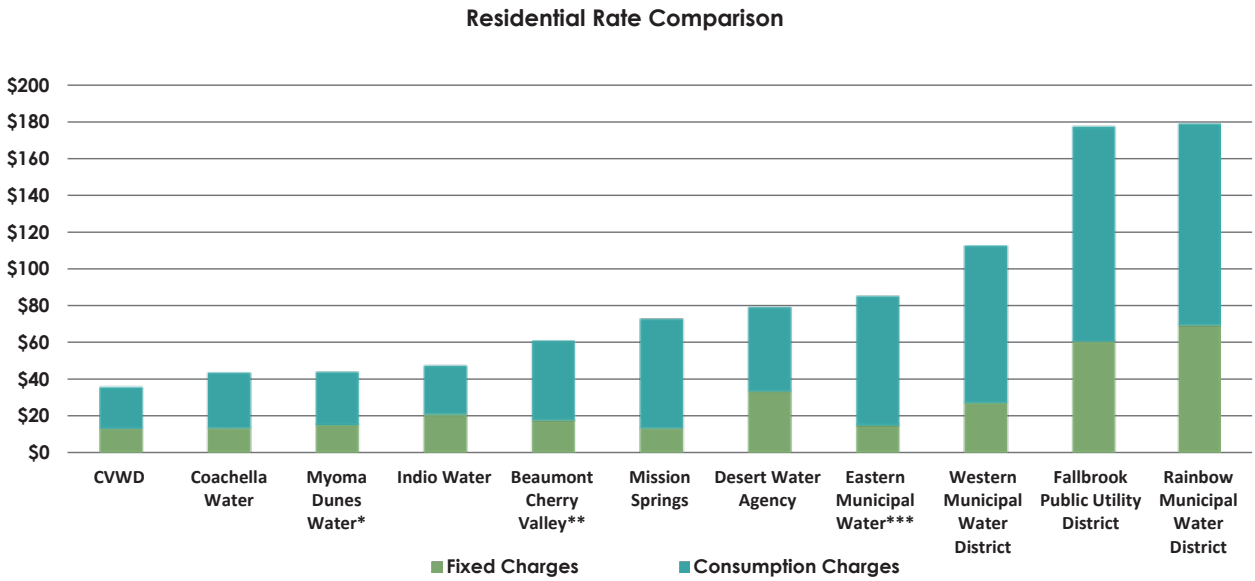
Domestic water service is separated into five customer classes: single-family residential, multi-family, commercial, landscape irrigation, and construction meters. Each customer class is assigned a different monthly fixed charge to reflect the differences in the cost of providing service. All fixed charge rates were adjusted for fiscal year 2022 as part of the cost of service study but remained the same in fiscal year 2023. In June 2023, the Board elected to increase fixed rates for fiscal year 2024 for single-family residential, multi-family, commercial, and landscape irrigation. The monthly service charge for construction meters remains at $125 for a 3" or smaller meter and $190 for a 4" or larger meter.

Monthly Service Charge

Customer Class	Meter Size			
	¾"	1"	1 ½ "	2"
Single-Family	$ 13.35	$ 15.98	$ 22.58	$ 30.49
Multi-Family	$ 13.48	$ 16.22	$ 23.03	$ 31.22
Commercial	$ 13.41	$ 16.09	$ 22.79	$ 30.83
Landscape Irrigation	$ 17.04	$ 22.13	$ 34.89	$ 50.19

Rate Comparison

The graph and table below illustrate rate comparisons between CVWD and other water agencies in the region based on usage of 20 ccf per month. The District's rates remain the lowest in the area for fiscal year 2024. The green portion of the bars in the chart below indicates the monthly fixed charge; the blue portion indicates the consumption charge.



* Energy cost adjustment of $2.07 and replenishment fee of $3.30 included in consumptive rate
** Rates effective January 2023. SCE power charge and San Gorgonio Pass Water Agency importation charge included in consumptive rate
*** Rates effective January 2023. Water Supply Reliability Capital Projects Charge included in consumptive rate

Residential Rate Comparison

	CVWD	Coachella Water	Myoma Dunes Water*	Indio Water	Beaumont Cherry Valley**	Mission Springs	Desert Water Agency	Eastern Municipal Water***	Western Municipal Water District	Fallbrook Public Utility District	Rainbow Municipal Water District
Fixed Charges	$ 13.35	$ 13.80	$ 15.55	$ 21.16	$ 17.83	$ 13.63	$ 33.53	$ 15.21	$ 27.19	$ 60.60	$ 69.20
Consumption Charges	22.75	30.00	28.61	26.30	43.49	59.14	45.60	70.10	85.58	116.44	109.40
Total per 20 CCF Usage	**$ 36.09**	**$ 43.80**	**$ 44.16**	**$ 47.46**	**$ 61.32**	**$ 72.77**	**$ 79.13**	**$ 85.31**	**$ 112.77**	**$ 177.04**	**$ 178.60**

* Energy cost adjustment of $2.07 and replenishment fee of $3.30 included in consumptive rate
** Rates effective January 2023. SCE power charge and San Gorgonio Pass Water Agency importation charge included in consumptive rate
*** Rates effective January 2023. Water Supply Reliability Capital Projects Charge included in consumptive rate

Domestic Water Fund	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Revenues						
Water Sales	$ 68,237,692	$ 61,033,733	$ 66,442,717	$ 70,529,550	$ 4,086,833	6.2%
Drought Penalties	-	10,849,396	-	-	-	-
Service Charges	21,452,547	21,422,185	20,074,396	21,065,827	991,431	4.9%
Availability Charges	745,434	630,566	645,000	645,000	-	-
Property Taxes - General	2,526,089	2,556,570	2,684,740	2,797,012	112,272	4.2%
Charges for Services	4,273,788	7,757,320	2,666,000	3,667,000	1,001,000	37.5%
Intergovernmental	-	384,220	-	-	-	-
Investment Income	510,199	650,007	444,367	1,388,550	944,183	212.5%
Other Revenue	570,024	363,931	150,000	175,000	25,000	16.7%
Total Revenues	**$ 98,315,774**	**$ 105,647,929**	**$ 93,107,220**	**$ 100,267,939**	**$ 7,160,719**	**7.7%**
Expenses						
Salaries & Benefits (Net of Capitalized Labor)	$ 38,840,489	$ 39,635,302	$ 43,762,565	$ 43,772,978	$ 10,413	0.0%
Supplies and Services	24,724,087	35,845,073	38,204,399	26,668,040	(11,536,359)	-30.2%
Utilities	13,100,726	14,069,505	14,326,943	15,147,130	820,187	5.7%
Replenishment	14,274,750	13,068,044	13,657,027	14,016,530	359,503	2.6%
Pass-Through (Contra Expense)	-	-	(715,000)	-	715,000	-100.0%
Capital Outlay	28,801	2,894	12,489	179,000	166,511	1333.3%
Total Expenses	**$ 90,968,853**	**$ 102,620,819**	**$ 109,248,423**	**$ 99,783,678**	**$ (9,464,745)**	**-8.7%**
Operating Income (Loss)	**$ 7,346,921**	**$ 3,027,110**	**$ (16,141,203)**	**$ 484,261**	**$ 16,625,464**	**-103.0%**
Nonoperating Revenues (Expenses)						
Interfund Transfers						
Interfund Revenues	$ 3,416,626	$ 5,582,345	$ 5,545,535	$ 3,945,387	$ (1,600,148)	-28.9%
Sources						
Loan Proceeds	2,133,846	-	-	13,112,000	13,112,000	-
Capital Improvement Reimbursements	1,500,173	103,827	-	-	-	-
Use of Restricted Funds	10,060,500	982,747	1,020,000	2,840,000	1,820,000	178.4%
Grant Revenue	2,121,202	3,209,039	15,050,000	12,770,500	(2,279,500)	-15.1%
Uses						
Debt Service - External	(1,127,326)	(840,971)	(838,852)	(840,971)	(2,119)	0.3%
Capital Improvement Budget	(14,779,370)	(9,688,161)	(10,874,950)	(38,810,950)	(27,936,000)	256.9%
Contribution to Motorpool CIP	(11,772)	(1,380,682)	(1,404,015)	(1,795,548)	(391,533)	27.9%
Other Revenue (Expenses)	(248,320)	-	-	-	-	-
Total Nonoperating Revenues (Expenses)	**$ 3,065,559**	**$ (2,031,856)**	**$ 8,497,718**	**$ (8,779,582)**	**$ (17,277,300)**	**-203.3%**
Increase (Decrease) in Cash Flow	$ 10,412,480	$ 995,254	$ (7,643,485)	$ (8,295,321)	$ (651,836)	8.5%
Beginning Reserve	$ 60,581,252	$ 70,993,732	$ 70,993,732	$ 71,988,985	$ 995,254	1.4%
Ending Reserve	**$ 70,993,732**	**$ 71,988,985**	**$ 63,350,247**	**$ 63,693,664**	**$ 343,417**	**0.5%**
Assigned Reserve	$ 45,839,000	$ 42,006,000	$ 42,006,000	$ 43,323,000	$ 1,317,000	3.1%
Unassigned Reserve	$ 25,154,732	$ 29,982,985	$ 21,344,247	$ 20,370,664	$ (973,583)	-4.6%
** Unaudited*						
Days Cash on Hand	*285*	*256*	*212*	*233*	*21*	*10.1%*

Budget Summary

Total Domestic Water fund revenues are budgeted at $100.3 million, or 7.7% higher than fiscal year 2023 budget. Fiscal year 2023 consumption reflected an 8.6% decrease due to water restrictions and drought penalties. Fiscal year 2024 revenue includes the 5.5% rate increase that the Board approved in June 2023.

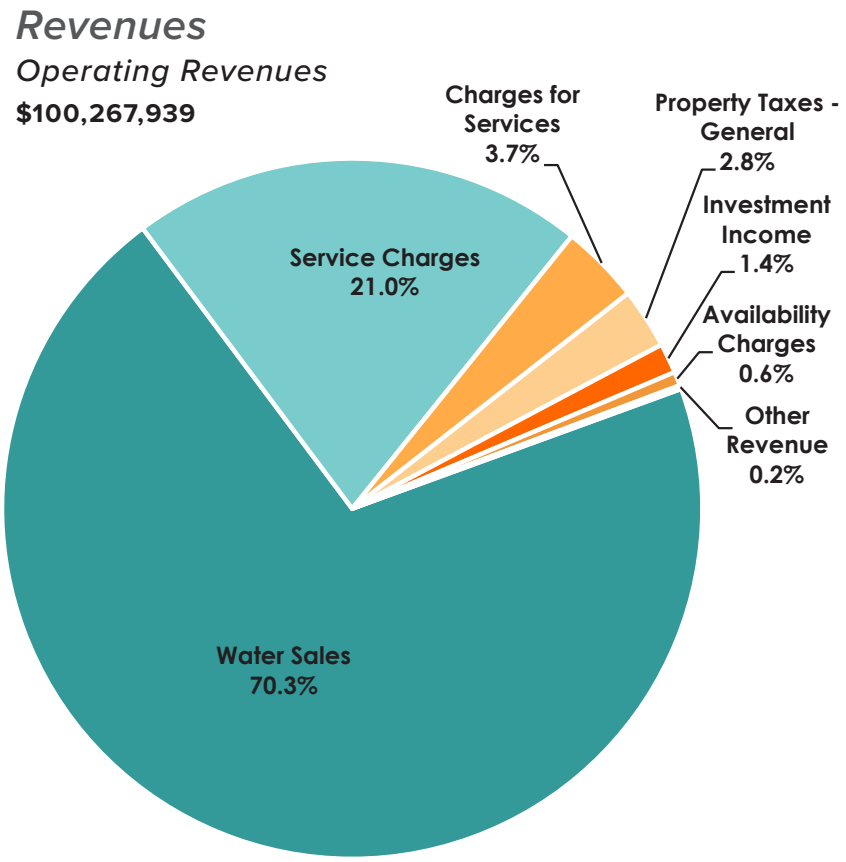
Expenses are budgeted to decrease by $9.5 million, or 8.7%, from the prior year's budget. Fiscal year 2023 budget was amended to allow for $12.7 million in conservation expenses related to the expanded turf rebate program, which was funded by over $10.8 million in drought penalty revenue. Other expenses reflect inflationary level increases for fiscal year 2024.

Nonoperating revenues include inter-fund revenues, which are comprised of principal and interest payments for two internal loans for projects within the East Whitewater Replenishment Fund, which was paid in full in fiscal year 2023, and the West Whitewater Replenishment Fund, which is scheduled to be repaid in 15 years. Revenues also include the use of restricted developer funds for eligible capital improvement projects, grant revenue and loan proceeds. Expenses include debt service for a State Water Resource Control Board loan, $38.8 million in capital improvements, and a $1.8 million contribution to the Motorpool fund for new vehicles.

Ending reserves for fiscal year 2024 are budgeted at $63.7 million.

Revenues

Domestic Water Fund revenues total $93.1 million, a $3.5 million decrease from fiscal year 2022. The chart below shows a breakdown by type.



WATER SALES represent 70.3% of the Domestic Water Fund's operating revenues. Revenues from water sales are budgeted at $70.5 million. Consumption is budgeted at 39 million ccf and assumes there will be some carryover conservation from the Level 2 restrictions that ended in April 2023. The Board approved a 5.5% rate increase for fiscal year 2024.

SERVICE CHARGES are the monthly fees each customer pays based on the size of the meter installed and the customer class. Service charges account for 21.0% of the operating revenues of the Domestic Water Fund. The Board approved a 5.5% rate increase for fiscal year 2024.

CHARGES FOR SERVICES account for 3.7% of the fund's revenues. They are comprised of application fees, turn-on fees, fines, meter installation fees, inspection fees, plan check fees, leases, penalties, and utility use incentives. These are highly variable revenue sources and are estimated using historical averages.

PROPERTY TAXES-GENERAL total $2.8 million for fiscal year 2024. General property taxes include the dedicated share of the 1% Riverside and Imperial Counties' secured property tax levy pursuant to the California Revenue and Taxation Code. Assessed value (AV) growth remains strong. However, higher interest rates are having an impact on sales. Property values reset each time there is a change in ownership, with the value being established at the new sales price. The Domestic fund receives non-discretionary property taxes, as well as a share of the District's discretionary general property taxes, which are allocated to the enterprise funds at the discretion of the Board. For fiscal year 2024, the Domestic Water Fund will receive an 11.6% allocation of discretionary taxes.

AVAILABILITY CHARGES are levied against all lands whose boundaries are within 660 feet of an existing water main. Parcels of land with active domestic water service during the current fiscal year are considered as having met the availability charge. Charges are placed on the tax roll each year. This charge represents the benefit of an available water supply to the property, allowing land development and use.

INVESTMENT INCOME is earned based on the cash balance in the fund and investment performance. The rate of return for fiscal year 2023 outperformed the budget, and fiscal year 2024 assumes a 2% rate of return.

Expenses

Domestic Water Fund expenses total $99.8 million, a decrease of $9.5 million from fiscal year 2023 primarily due to a reduction in turf replacement rebates. The chart shows a breakdown of expenses by type.

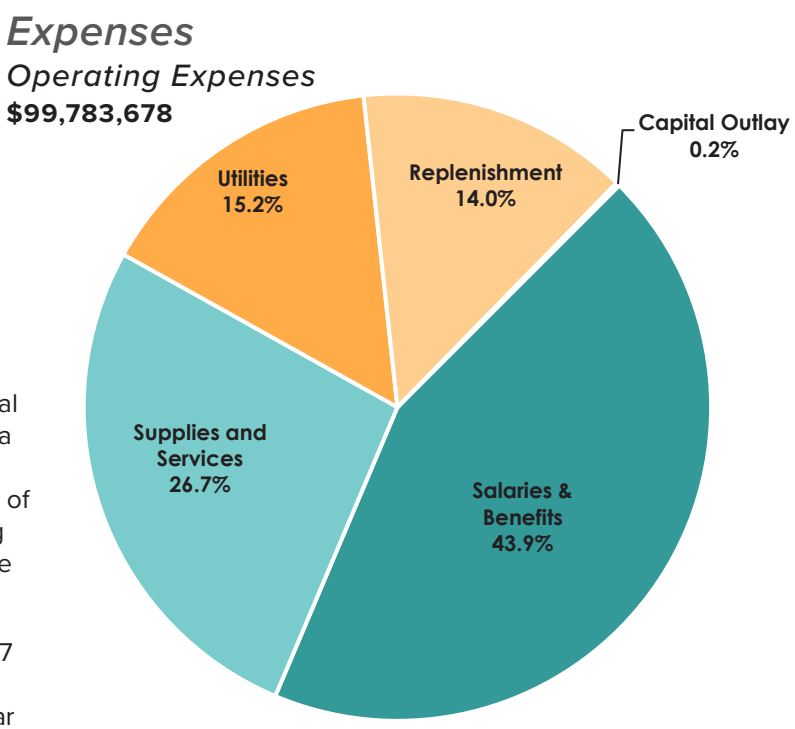
SALARIES & BENEFITS total $43.8 million, or 43.9% of budgeted expenses. While this amount remains largely unchanged from fiscal year 2023, fiscal year 2024 budget includes a larger portion of capitalized labor due to CIP projects, which is included in the CIP portion of the budget. Full salaries & benefits (including capitalized labor) are showing a 1.9% increase for fiscal year 2024.

SUPPLIES & SERVICES are budgeted at $26.7 million, or 26.7% of budgeted expenses, and reflect a decrease of $11.5 million for fiscal year 2024. Conservation payments for the District's turf replacement program exceeded $12.7 million in fiscal year 2023, with approximately $2.9 million budgeted in fiscal year 2024.

UTILITIES are budgeted $15.1 million, or 15.2% of budgeted expenditures. Expenses are projected to be approximately $820,000 higher than fiscal year 2023, reflecting a 5.7% increase.

TRANSFERS TO REPLENISHMENT FUNDS are budgeted at $14 million, or 14%. This represents an increase of $360,000 over fiscal year 2023 based on anticipated consumption. Rates for the District's three replenishment funds were not increased for fiscal year 2024.

CAPITAL OUTLAY is budgeted at $179,000 for fiscal year 2024, an increase of $171,000 compared to fiscal year 2023.



Domestic Water Restricted Funds

Water System Backup Facility Charges (WSBFC) are fees assessed on all new developments, redevelopment projects, connections of existing residential units, and upgrades of existing commercial units within the District's domestic water service areas. These funds are restricted to constructing backup facilities for additional capacity for pumping, storing, and distributing water. Approximately $2.8 million in restricted funds is budgeted to fund domestic water projects in fiscal year 2024.

Capital Improvements

There are $38.8 million in capital improvements budgeted for fiscal year 2024, along with $1.8 million in motorpool vehicle replacements. The budget includes projects for rehabilitating aging well sites, water main extensions to underserved areas, numerous water main replacement projects, designing and replacing the ion exchange treatment plants, and installing a transmission main. Fiscal year 2024 Capital Improvement Budget is funded using a State Revolving Fund (SRF) loan, grants, unrestricted reserves, and restricted reserves. More details are provided in the Capital Improvements chapter.

Five-Year Forecast

The District completed a comprehensive Cost of Service Study (COSS) for the Domestic Water fund in fiscal year 2021 and established maximum Proposition 218 rate increases for fiscal years 2022 through 2026. The Board has the ability to adopt rates up to the maximum rate each year as part of the budget process. Based on fiscal year 2023 performance and projected ending reserves, the Board elected to increase rates for fiscal year 2024.

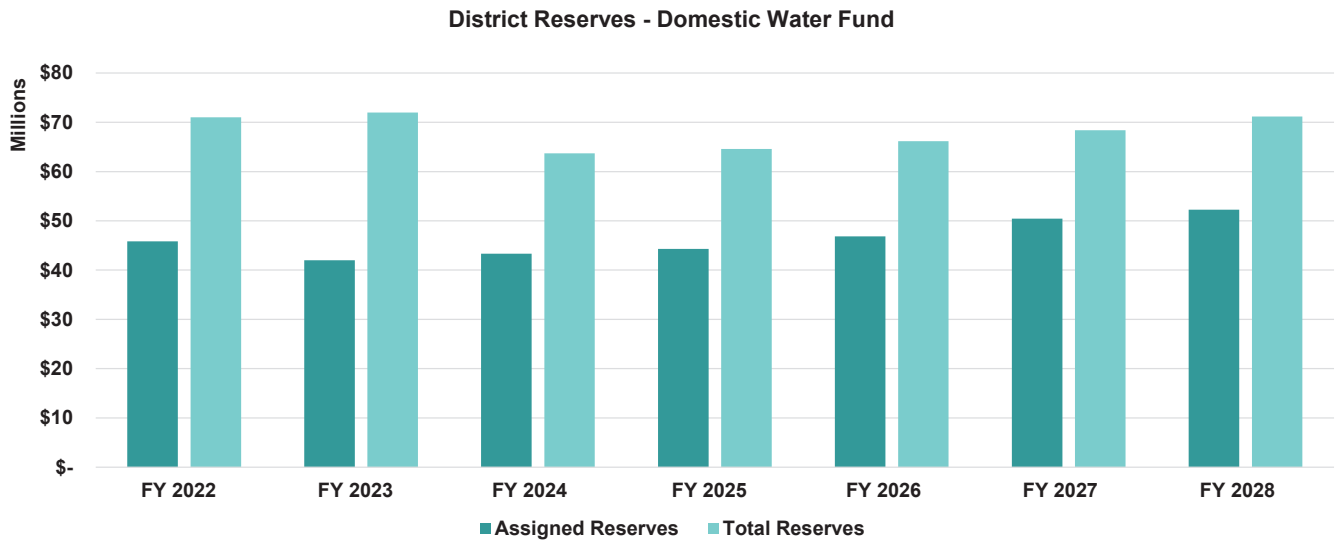
The five-year forecast includes rate assumptions based on anticipated expenditures. It reflects the balance of ensuring positive operating income for the long term, maintaining debt service coverage of at least 1.25x as required under the master resolution, and drawing down unassigned reserves over time to the assigned reserve target. Projected rates are based on current assumptions and will be revised during the next budget process. The following table compares the projected forecast rates to the Proposition 218 maximum rates for a typical Domestic customer.

Forecast Rate Comparison (20 CCF Residential Customer)	**FY 2024 Rate**	**Monthly Charge**	**FY 2025 Rate**	**Monthly Charge**	**FY 2026 Rate**	**Monthly Charge**	**FY 2027* Rate**	**Monthly Charge**	**FY 2028* Rate**	**Monthly Charge**
Proposition 218 Maximum Rates										
Monthly Fixed Charge - 3/4 Inch Meter	$ 15.12	$ 15.12	$ 16.58	$ 16.58	$ 17.75	$ 17.75	$ 17.75	$ 17.75	$ 17.75	$ 17.75
8 Tier 1 Consumption Rate (8 CCF)	1.12	8.96	1.23	9.84	1.31	10.48	1.31	10.48	1.31	10.48
# Tier 2 Consumption Rate (12 CCF)	1.40	16.80	1.53	18.36	1.64	19.68	1.64	19.68	1.64	19.68
Total Monthly Water Charge		**$ 40.88**		**$ 44.78**		**$ 47.91**		**$ 47.91**		**$ 47.91**
Year-Over-Year % Change		*12.1%*		*9.5%*		*7.0%*		*0.0%*		*0.0%*
Forecast Projected Rates										
Monthly Fixed Charge - 3/4 Inch Meter	$ 13.35	$ 13.35	$ 14.08	$ 14.08	$ 14.85	$ 14.85	$ 15.67	$ 15.67	$ 16.53	$ 16.53
8 Tier 1 Consumption Rate (8 CCF)	0.99	7.93	1.05	8.40	1.10	8.83	1.16	9.32	1.23	9.83
# Tier 2 Consumption Rate (12 CCF)	1.23	14.81	1.30	15.60	1.37	16.49	1.45	17.39	1.53	18.35
Total Monthly Water Charge		**$ 36.09**		**$ 38.08**		**$ 40.17**		**$ 42.38**		**$ 44.71**
Year-Over-Year % Change		*5.5%*		*5.5%*		*5.5%*		*5.5%*		*5.5%*

* Proposition 218 Rates are only adopted through FY 2026.

Other revenues, including property tax revenue and charges for services, are expected to grow by approximately 2% to 3% during the forecast period. Operating expenses are forecasted to grow at approximately 4.8% per year. Salaries and benefits increase from 4.4% to 4.8% due to the expected cost of living and merit increases. Transfers to replenishment funds for the water the Domestic fund uses will increase based on forecasted rate increases in those funds. Interfund revenue for debt service related to an internal loan to the West Replenishment fund for the Mid-Valley Pipeline (MVP) averages approximately $3.9 million per year. Debt service payments for Domestic fund loans will begin to increase in FY 2026 as the District secures permanent financing for long-term projects.

Domestic Water Fund Five-Year Forecast	FY 2024 Budget	FY 2025	FY 2026	FY 2027	FY 2028
			Forecast		
Revenues					
Water Sales	$ 70,529,550	$ 74,977,894	$ 79,300,072	$ 83,871,031	$ 88,705,064
Service Charges	21,065,827	22,354,703	23,852,947	25,392,787	27,031,639
Availability Charges	645,000	645,000	645,000	645,000	645,000
Property Taxes - General	2,797,012	2,852,952	2,938,541	3,026,697	3,117,498
Charges for Services	3,667,000	3,777,010	3,890,322	4,007,033	4,127,245
Investment Income	1,388,550	1,910,810	2,454,679	2,514,032	2,599,351
Other Revenue	175,000	175,000	175,000	175,000	175,000
Total Revenues	**$ 100,267,939**	**$ 106,693,369**	**$ 113,256,561**	**$ 119,631,580**	**$ 126,400,797**
Expenses					
Salaries & Benefits (Net of Capitalized Labor)	$ 43,772,978	$ 45,874,493	$ 48,053,614	$ 50,164,052	$ 52,431,909
Supplies and Services	26,668,040	27,680,228	28,566,021	29,348,157	30,152,827
Utilities	15,147,130	16,358,900	17,667,613	19,081,026	20,607,504
Replenishment	14,016,530	14,477,790	14,976,806	15,555,161	16,205,316
Capital Outlay	179,000	187,950	197,348	207,216	217,577
Total Expenses	**$ 99,783,678**	**$ 104,579,361**	**$ 109,461,402**	**$ 114,355,612**	**$ 119,615,133**
Operating Income (Loss)	**$ 484,261**	**$ 2,114,008**	**$ 3,795,159**	**$ 5,275,968**	**$ 6,785,664**
Nonoperating Revenues (Expenses)					
Interfund Transfers					
Interfund Revenues	$ 3,945,387	$ 3,945,387	$ 3,945,387	$ 3,945,387	$ 3,945,387
Sources					
Loan Proceeds	13,112,000	7,749,250	8,179,000	13,661,750	3,750,000
Use of Restricted Funds	2,840,000	4,834,000	1,875,000	9,275,000	10,000,000
Grant Revenue	12,770,500	20,383,000	20,521,000	11,974,500	11,250,000
Uses					
Debt Service - External	(840,971)	(840,971)	(1,636,921)	(3,535,375)	(3,535,375)
Capital Improvement Budget	(38,810,950)	(36,167,000)	(33,968,750)	(37,230,000)	(28,300,000)
Contribution to Motorpool CIP	(1,795,548)	(1,114,520)	(1,147,960)	(1,122,000)	(1,125,520)
Total Nonoperating Revenues (Expenses)	**$ (8,779,582)**	**$ (1,210,854)**	**$ (2,233,244)**	**$ (3,030,738)**	**$ (4,015,508)**
Increase (Decrease) in Cash Flow	$ (8,295,321)	$ 903,154	$ 1,561,915	$ 2,245,230	$ 2,770,156
Beginning Reserve	$ 71,988,985	$ 63,693,664	$ 64,596,818	$ 66,158,733	$ 68,403,963
Ending Reserve	**$ 63,693,664**	**$ 64,596,818**	**$ 66,158,733**	**$ 68,403,963**	**$ 71,174,119**
Assigned Reserve	$ 43,323,000	$ 44,318,000	$ 46,852,000	$ 50,434,000	$ 52,275,000
Unassigned Reserve	$ 20,370,664	$ 20,278,818	$ 19,306,733	$ 17,969,963	$ 18,899,119
Days Cash on Hand	*233*	*225*	*221*	*218*	*217*



Reserve Type Domestic Water Fund	FY 2022 Actual	FY 2023 Actual*	FY 2024 Budget	FY 2025 Forecast	FY 2026 Forecast	FY 2027 Forecast	FY 2028 Forecast
Assigned Reserves	$ 45,839,000	$ 42,006,000	$ 43,323,000	$ 44,318,000	$ 46,852,000	$ 50,434,000	$ 52,275,000
Unassigned Reserves	25,154,732	29,982,985	20,370,664	20,278,818	19,306,733	17,969,963	18,899,119
Total Reserves	$ 70,993,732	$ 71,988,985	$ 63,693,664	$ 64,596,818	$ 66,158,733	$ 68,403,963	$ 71,174,119

Assigned Reserves by Type Domestic Water Fund	FY 2022 Actual	FY 2023 Actual*	FY 2024 Budget	FY 2025 Forecast	FY 2026 Forecast	FY 2027 Forecast	FY 2028 Forecast
Operating	$ 22,215,000	$ 24,240,000	$ 24,901,000	$ 26,098,000	$ 27,316,000	$ 28,537,000	$ 29,849,000
Rate Stabilization	8,886,000	9,696,000	9,960,000	10,439,000	10,926,000	11,415,000	11,940,000
Capital	7,109,000	4,998,000	4,998,000	4,998,000	4,998,000	4,998,000	4,998,000
Emergency	5,180,000	827,000	827,000	827,000	827,000	827,000	827,000
Vehicle	1,418,000	1,404,000	1,796,000	1,115,000	1,148,000	1,122,000	1,126,000
Debt Service	1,031,000	841,000	841,000	841,000	1,637,000	3,535,000	3,535,000
Total Assigned Reserves	$ 45,839,000	$ 42,006,000	$ 43,323,000	$ 44,318,000	$ 46,852,000	$ 50,434,000	$ 52,275,000

* *Unaudited*



CVWD Reservoir 3570

CANAL WATER FUND



Background

CVWD provides canal water to 1,348 accounts, including agriculture, golf courses, lakes, and replenishment facilities. Accounts are billed monthly for canal water usage on a per acre-foot (af) basis.

The Coachella Valley's farmland is ranked among the most profitable crop-growing regions in the state on a per-acre basis. More than two-thirds of local farmland is irrigated with Colorado River (River) water delivered via the Coachella Canal (Canal), a branch of the All-American Canal. More than 60% of area farms use drip or other micro-irrigation, which reduces water use, allows pesticides and herbicides to be added directly into irrigation lines, and contributes to increased crop yields. These irrigation practices place area farms among the state's most efficient agricultural water users.

The Coachella Canal

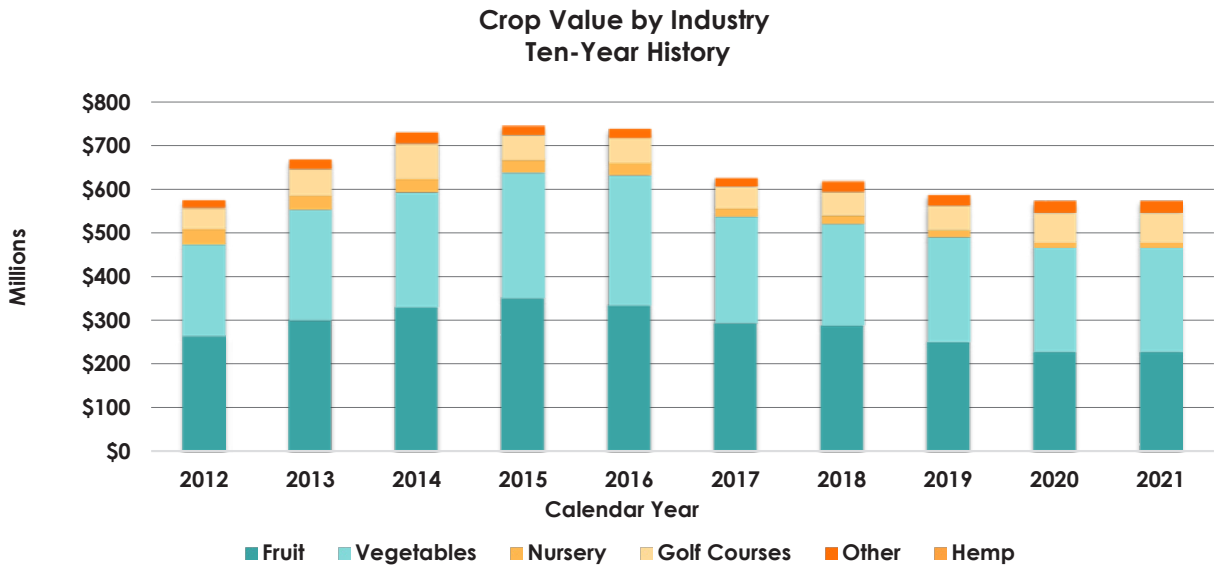
In 1934, CVWD entered into a contract with the United States Bureau of Reclamation (Reclamation, USBR) to construct the Coachella Branch of the All-American Canal. Reclamation agreed to deliver water to CVWD for potable and irrigation purposes within the 137,000-acre area known as Improvement District Number 1 (ID 1), of which 77,121 acres are irrigable.

Costs associated with the construction of the Canal were to be reimbursed by CVWD. In 1935, CVWD adopted Ordinance Number 595 authorizing a tax levy for satisfying the repayment obligations to Reclamation. CVWD began levying the ID 1 tax in fiscal year 1950, with the repayment obligation satisfied in 1994. The Canal continues to be owned by the USBR but is maintained and operated by CVWD.

The Coachella Canal was completed in 1948, with CVWD taking water delivery in 1949. Water that flows through the 123-mile canal travels via gravity flow to Lake Cahuilla. It starts at the Colorado River and diverts into the All-American Canal at the Imperial Dam, located 18 miles north of Yuma, Arizona. The water is diverted again, 38 miles downstream, into the Coachella Canal.

When the Canal was built, the northern 38 miles were lined with concrete to ensure more efficient connections to the underground distribution system. In 1980, the southern 49 miles of the Canal were replaced by a parallel concrete waterway, resulting in more than 130,000 acre-feet savings per year (af/yr). The remaining 36 miles of earthen waterway and canal were replaced with a parallel, concrete canal in 2006. The State of California and San Diego County Water Authority (SDCWA) funded the project as part of the 2003 Quantification Settlement Agreement (QSA) and Related Agreements.

Crop production for calendar year 2021 (latest data available at the time of publication) exceeded $575 million. The top ten crops by value are dates, grapes, bell peppers, lemons/ limes, lettuce, carrots, cauliflower, oranges & tangerines, broccoli, and artichokes.



Irrigation Distribution and Drainage System

In 1947, CVWD entered into a contract with the USBR to construct the irrigation distribution system and a system of protective works to protect the Canal and systems from alluvial fan flooding. Shortly after work on the Canal was completed, CVWD began constructing an underground tile system designed to carry agricultural irrigation drainage water away from farmland to the Salton Sea. The irrigation distribution system includes 485 miles of low-pressure concrete pipes ranging from 12 inches (in) to 92 in, distributing water to 40-acre blocks of land within ID 1. Repayment obligations to Reclamation were satisfied in 1995 from the ID 1 property taxes. Today, there are nearly 2,300 miles of on-farm and CVWD-maintained drains.

Colorado River Water Supply

WHAT IS THE QUANTIFICATION SETTLEMENT AGREEMENT (QSA)?

Although CVWD's Colorado River water rights date back to 1934, the Quantification Settlement Agreement, successfully ratified in October 2003, defined CVWD's allocation. The QSA and Related Agreements quantify Colorado River water allocations to California water contractors for 75 years, allowing for water transfer between agencies. CVWD received a base allocation of 330,000 af per year under the QSA. CVWD's gross Colorado River supplies will gradually ramp up to 488,000 af per year in 2026 through transfers with the Metropolitan Water District (MWD) and Imperial Irrigation District (IID).

The landmark 2003 QSA enabled California to implement major Colorado River water conservation and transfer programs, stabilizing water supplies for 75 years and reducing the State's demand on the River to its 4.4 million af per year (maf/yr) entitlement. The agreement also provided mitigation funding for the environmentally sensitive Salton Sea. The completion of the QSA required the commitment and combined efforts of the following organizations:

- Coachella Valley Water District
- San Diego County Water Authority (SDCWA)
- Imperial Irrigation District
- Metropolitan Water District of Southern California
- State of California
- U.S. Department of the Interior

WHAT ARE THE BENEFITS?

The QSA and Related Agreements enabled California to reduce its historic over-dependence on the Colorado River through voluntary agriculture-to-urban water transfers, primarily achieved through conservation programs (including canal lining). The State has since lived within its 4.4 maf/yr entitlement. The QSA quantified CVWD's entitlement to Colorado River water, protecting this allotment from use by other agencies, and provided rights to additional, significant amounts of imported water through transfers.

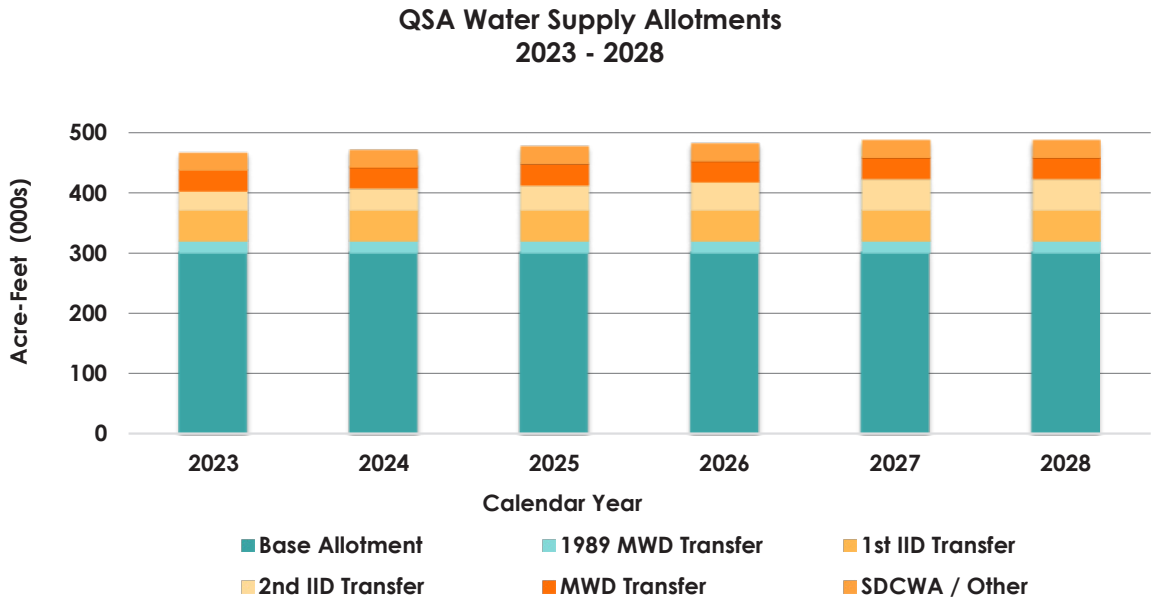
In addition, companion legislation required the State to identify a preferred Salton Sea restoration alternative and funding plan. In 2007, the State identified and submitted an $8.9 billion preferred alternative to the Legislature, but the Legislature has not acted on the alternative, nor has it provided a viable funding plan.

HOW DID IT IMPACT CVWD?

The QSA quantified CVWD's entitlement to Colorado River water, which ensured that other agencies could not use its allotment. The QSA also gave CVWD the rights to additional, significant amounts of imported water to address the overdraft and to provide for future growth.

The District's annual base allotment of Colorado River water is 330,000 af. Water conserved from lining the last earthen section of the canal means that 21,500 af is transferred to SDCWA, and 7,500 af is transferred to various Indian tribes for an adjusted base allotment of 301,000 af. Additional allotments are being added each year, ramping up to a total net allotment of 459,000 af in 2026.

The IID-CVWD Acquisition Agreement is the largest single transfer, providing up to 103,000 af/yr to be delivered to the Coachella Canal by way of the Imperial Dam and the All-American Canal. The first delivery of this water started in 2008, and except for a 13,000 af per year increase in 2018, it generally ramps up in increments of 5,000 af per year during the life of the agreement. Two additional MWD transfer agreements provide another 55,000 af per year.



HOW SECURE IS THE COLORADO RIVER WATER SUPPLY?

The Colorado River Basin is one of the most critical sources of water in the West, providing water to nearly 25 million people for municipal use, irrigating nearly 5.5 million acres of land, and is the lifeblood for at least 22 Native American tribes, 7 national wildlife refuges, 4 national recreation areas, and 11 national parks.

Under the 1922 Colorado River Compact, the Upper Basin (Wyoming, Utah, New Mexico, and Colorado) receives 7.5 million acre-feet (maf) per year, and the Lower Basin (California, Arizona, and Nevada) also receives 7.5 maf/yr. In 1944, Mexico secured an agreement for annual deliveries of 1.5 maf/yr from the river. It has since become clear that the early decades of the 20th century, the period on which the 1922 compact was based, were the wettest period in the Colorado River basin and not representative of the long-term climatic conditions of the West.

Although California water districts hold senior rights to 4.4 maf/yr of Colorado River water, protecting water deliveries from mandatory reductions associated with the decline in Lake Mead elevations is a priority, and districts have engaged in voluntary water conservation efforts to prevent other states from experiencing the mandatory cutbacks. The Drought Contingency Plan (DCP) Authorization Act, signed in April 2019, is a program that was designed to delay or eliminate shortage conditions in Lake Mead. Also in 2019, CVWD executed the Companion Agreement to the DCP, the Lower Basin DCP Agreement, and the necessary California interagency agreements associated with the voluntary contributions schedule.

In August 2021, USBR announced a water shortage on the Colorado River, resulting in mandatory water consumption cuts, as stated in the DCP. USBR expected Lake Mead to remain below the elevation threshold of the DCP of 1,090 feet, triggering Tier 1 cuts that affected Arizona, Nevada, and Mexico. California does not take cuts in Tiers 1, 2, or 3 as agreed in the 2007 Interim DCP Guidelines. However, the 2019 DCP includes additional contributions that California and CVWD have to make when Lake Mead gets to 1,045 feet and below.

Due to a wet winter in 2023, Lake Mead is expected to operate under a Level 1 Shortage Condition for calendar year 2024, with a projected elevation of 1,065 feet. This is a significant improvement from the Level 2 Shortage Condition in 2023 and has allowed additional time for Reclamation to analyze conditions and proposals prior to publishing an updated draft Supplemental Environmental Impact Statement (SEIS) later in 2023. CVWD is actively engaged in the SEIS discussions.

In fiscal year 2023, CVWD signed agreements with USBR under the Lower Colorado Conservation Program to fund several voluntary compensated efforts to increase conserved water volume in Lake Mead. This has included the conservation of 9,083 af of water that would have otherwise been used at the Thomas E. Levy Replenishment Facility in calendar year 2022 and an agreement to conserve up to 105,000 af in calendar years 2023 through 2025, estimated at 35,000 af per year during that period.

CVWD will continue to participate in discussions with USBR regarding conditions on the Colorado River. Discussions with USBR and the Upper and Lower Basin States are ongoing. Discussions will focus on the new interim guidelines for shortage and coordinated operations for Lake Powell and Mead after 2026 when the current interim guidelines from 2007 expire, and how to bring the use of the Colorado River into longer term sustainability.

Annual Colorado River Allocation by State - Million Acre-Feet

California	Colorado	Arizona	Utah	Wyoming	New Mexico	Nevada
4.40	3.88	2.80	1.72	1.05	0.84	0.30

Water Costs

The base allotment of 301,000 af is provided at no additional cost to the District, although the District incurs costs to transport, store, and deliver the water. The cost of additional allotments varies based on the terms of the QSA agreement.

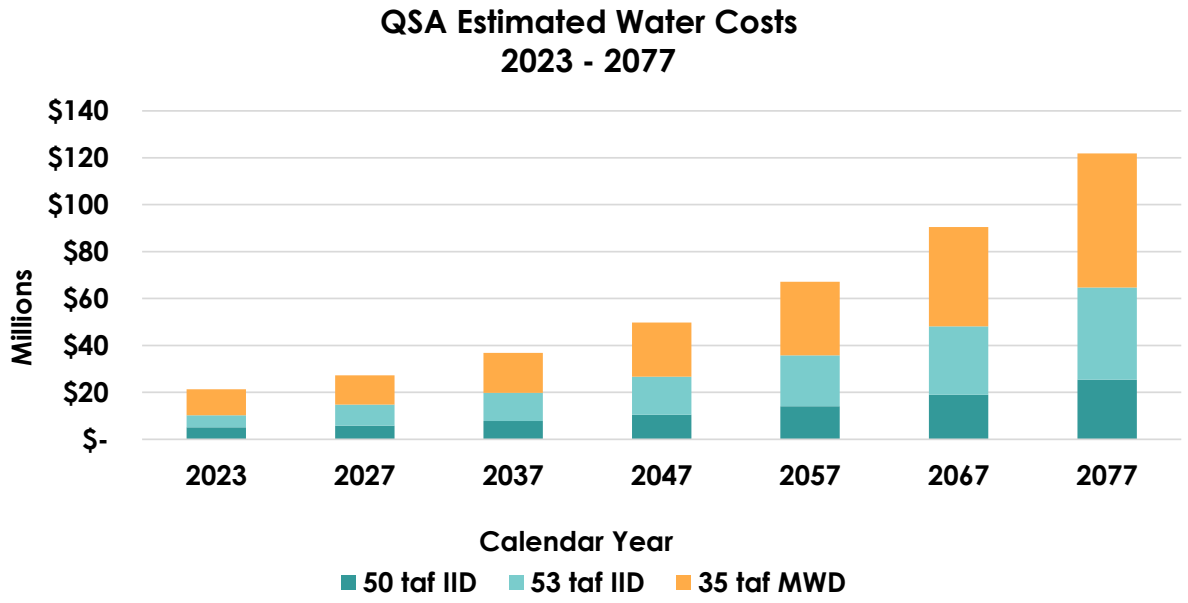
Additional water costs are $116.97 per af in 2023. Each year, the cost of additional water is adjusted from the 1998 base price by a blended Producer Price Index and Gross Domestic Product Implicit Price Deflator. A 3% inflation factor is used for future years.

The table below depicts acre-feet to be received, along with the estimated IID water transfer costs over the remaining term of the contract.

IID Water Transfer Costs
2023 - 2077

Calendar Year	50 taf Transfer (in af)	53 taf Transfer (in af)	Total Transfer (in af)	Estimated Cost	Cost per af
2023	50,000	38,000	88,000	$ 10,292,920	$ 116.97
2027	50,000	53,000	103,000	$ 14,756,850	$ 143.27
2037	50,000	53,000	103,000	$ 19,831,972	$ 192.54
2047	50,000	53,000	103,000	$ 26,652,512	$ 258.76
2057	50,000	53,000	103,000	$ 35,818,748	$ 347.75
2067	50,000	53,000	103,000	$ 48,137,402	$ 467.35
2077	50,000	53,000	103,000	$ 64,692,643	$ 628.08

The graph below shows the estimated QSA water costs over the term of the contract.



Rate Structure

CANAL WATER SERVICE CHARGES are made up of two customer classes: Class 1 – Agriculture and Class 2 – Non-agriculture. The definition of Class 1 and Class 2 customers is stated below:

CLASS 1 - Agriculture consists of all canal water customers who use canal water for direct potable water production or commercial agriculture activities - i.e., customers who use canal water to produce an agricultural commodity for commercial purposes, including growing crops and raising animals for commercial production and/or sale of food, fiber, fuel, and other products.

CLASS 2 - Non-agriculture consists of all other canal water customers - i.e., customers who use canal water for groundwater replenishment, including the District's Replenishment funds, landscape irrigation, recreation, and other activities, including but not limited to golf courses, and hunting clubs.

WATER SUPPLY SURCHARGES fund the cost of QSA water purchases and are collected only from Class 2 and Temporary Construction Meter customers. The District has chosen to assign its legacy asset of Colorado River water rights (301,000 af per year) to Class 1 customers to protect these long-standing and price-sensitive customers from the cost of newly developed supplies. When Class 1 customers use less than 301,000 af per year, those customers are not responsible for any QSA water purchase costs. If Class 1 customers use Canal water at a rate exceeding 301,000 af per year, they will pay an equitable portion of the QSA water purchase costs and the Water Supply Surcharge.

GATE CHARGES are based on scheduled and unscheduled visits.

QUAGGA MUSSEL SURCHARGE pays for the maintenance and capital costs of Quagga mitigation. The Quagga mussel is a nonnative invasive mollusk that clogs and compromises water pipes and systems. It is pervasive in the Colorado River system, but District mitigation efforts have kept the Canal free of Quagga mussels.

OASIS SURCHARGE is expected to be charged in fiscal year 2024 and applies to customers who connect to the Oasis system to use canal water in lieu of groundwater pumping. The surcharge rate is based on the expected operating and capital costs associated with the system.

OUTSIDE ID 1 SURCHARGE is assessed to all customers outside Improvement District 1 (ID 1). The Canal Water fund receives an allocation of the general ad valorem property tax revenue collected by Riverside County within ID 1. The ad valorem property tax is used, in part, to defray the costs of providing canal water services to canal customers located within ID 1. The Outside ID 1 Surcharge is imposed only on customers located outside of the boundaries of ID 1 and is designed to recover costs incurred by the District to serve these customers but whose costs are not defrayed by the ad valorem property tax revenues paid by ID 1 customers. The Outside ID 1 Surcharge is a fixed charge based on property acreage. In a given year, it is calculated by dividing the ID 1 property tax revenue by the total acres within ID 1 receiving canal water service.

Canal Rate History

In fiscal year 2021, the District completed a comprehensive cost of service study for the Canal fund. After reviewing expenditures and projected revenue during the budget process, the Board elected to hold water-related rates at the current level for fiscal year 2024.

The table below shows the five-year history of canal rates for the District.

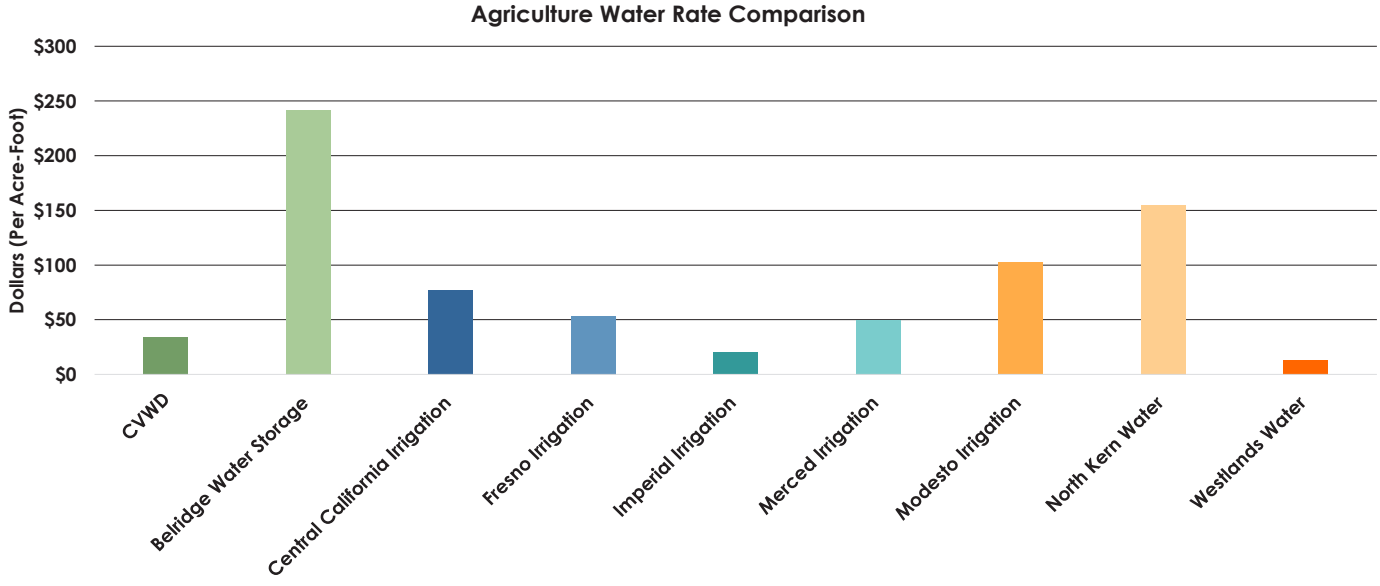
Canal 5-Year Rate History

Service (Per AF/Occurrence)	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
Irrigation Water Commodity Charge: Agriculture	$34.32	$34.32	$34.32	$34.32	$34.32
Irrigation Water Commodity Charge: Non-Agriculture*	34.32	34.32	34.32	34.32	34.32
Construction Water Commodity Charge*	47.41	47.41	51.33	51.33	51.33
Water Supply Surcharge	67.80	67.80	67.80	67.80	67.80
Quagga Mussel Surcharge	2.78	2.78	3.18	3.63	3.63
Outside ID 1 Surcharge ($/acre/month)	3.69	3.69	3.92	4.17	4.17
Oasis Surcharge	-	-	-	59.26	59.26
Gate Charge - Scheduled	16.66	16.66	19.80	23.53	23.53
Gate Charge - Unscheduled	33.32	33.32	39.60	47.07	47.07

** All Non-Agriculture and Construction Water customers pay the Irrigation Water Commodity Charge and the Water Supply Surcharge.*

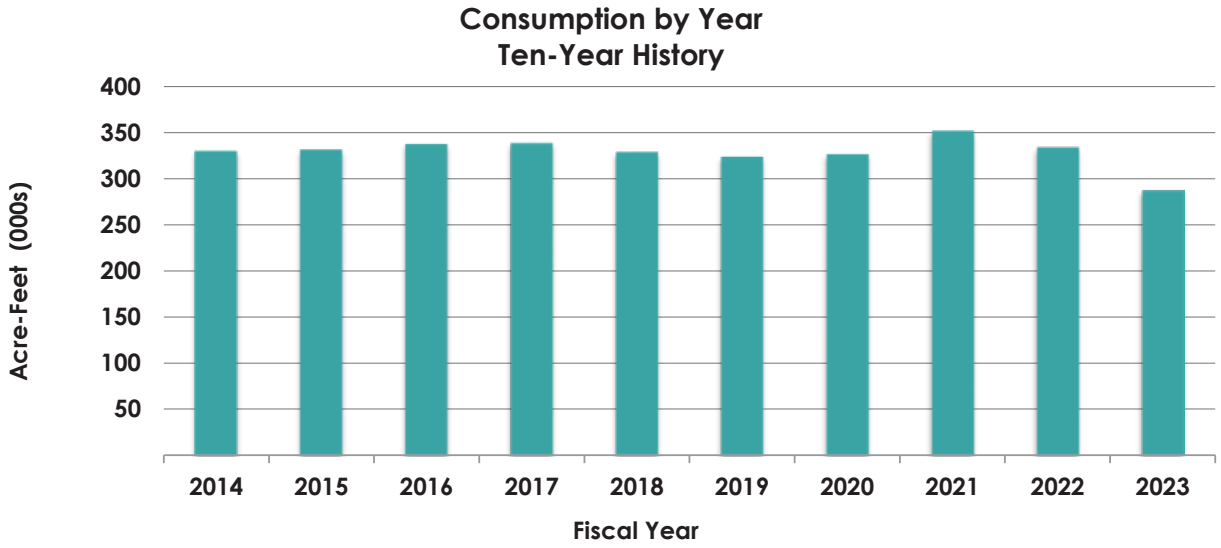
Canal Rate Comparison

The graph below shows the District's agriculture rate compared to other California irrigation districts. The District's rate is among the lowest in the state. This is due, in part, to the large amount of Colorado River water received at no cost. Imperial Irrigation is the only other district on the list that receives only Colorado River water.



Consumption

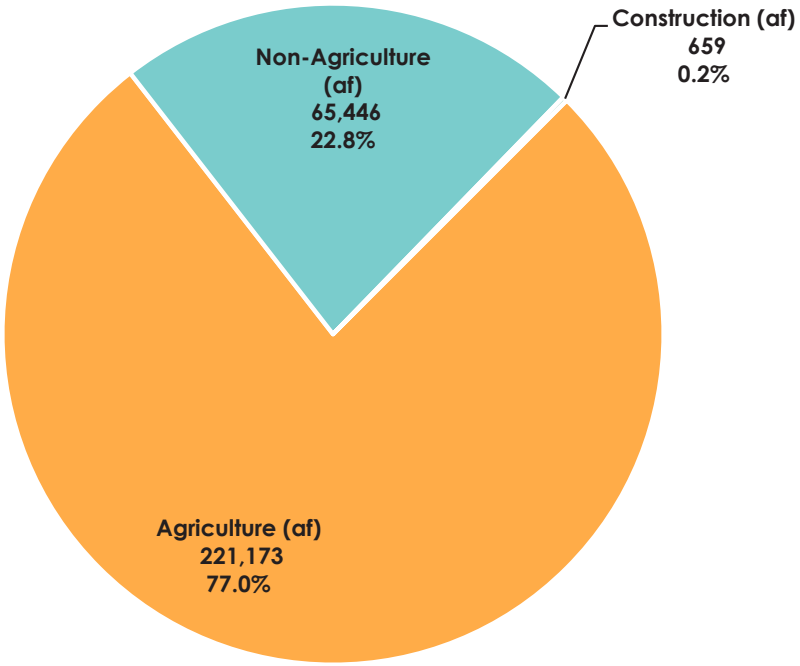
Total consumption in fiscal year 2023 was 287,278 af compared to 333,936 af in fiscal year 2022, a 16% decrease, as shown in the chart below.



Class 1 Agriculture customers consumed the largest amount of Canal water, at 221,173 af, in fiscal year 2023, reflecting the longstanding reliance on this resource.

Fiscal Year 2023 Consumption by Rate Class

287,278 Acre-Feet



Canal Water Fund	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Revenues						
Water Sales	$ 16,983,313	$ 13,344,064	$ 18,986,001	$ 13,694,505	$ (5,291,496)	-27.9%
Availability Charges	2,065,963	2,286,219	2,000,000	2,000,000	-	-
Surcharges	1,161,897	1,156,178	2,156,694	1,835,620	(321,074)	-14.9%
Property Taxes - General	11,395,502	12,899,653	11,656,926	12,617,670	960,744	8.2%
Charges for Services	1,366,453	1,444,049	1,378,911	1,378,911	-	-
Intergovernmental	978,059	4,157,930	1,700,000	20,516,127	18,816,127	1106.8%
Investment Income	571,898	618,861	422,740	1,278,196	855,456	202.4%
Other Revenue	48,444	119,802	5,000	35,000	30,000	600.0%
Total Revenues	**$ 34,571,529**	**$ 36,026,757**	**$ 38,306,272**	**$ 53,356,029**	**$ 15,049,757**	**39.3%**
Expenses						
Salaries & Benefits (Net of Capitalized Labor)	$ 11,439,774	$ 12,055,968	$ 13,607,052	$ 13,543,755	$ (63,297)	-0.5%
Supplies and Services	10,360,704	12,213,124	12,355,639	12,884,349	528,710	4.3%
Utilities	800,199	774,140	870,752	1,412,030	541,278	62.2%
Water Purchases	9,224,410	4,969,628	9,188,285	11,498,681	2,310,396	25.1%
Pass-Through (Contra Expense)	(4,889,935)	-	(2,120,000)	-	2,120,000	-100.0%
Capital Outlay	30,756	123,360	3,688	50,450	46,762	1268.0%
Total Expenses	**$ 26,965,908**	**$ 30,136,219**	**$ 33,905,416**	**$ 39,389,265**	**$ 5,483,849**	**16.2%**
Operating Income (Loss)	**$ 7,605,621**	**$ 5,890,537**	**$ 4,400,856**	**$ 13,966,764**	**$ 9,565,908**	**217.4%**
Nonoperating Revenues (Expenses)						
Sources						
Loan Proceeds	$ -	$ 4,452,347	$ 1,070,000	$ 17,788,500	$ 16,718,500	1562.5%
Capital Improvement Reimbursements	(29,245)	234,215	1,887,500	-	(1,887,500)	-100.0%
Grant Revenue	11,555	-	-	-	-	-
Uses						
Capital Improvement Budget	(4,853,919)	(6,089,141)	(7,906,930)	(19,628,050)	(11,721,120)	148.2%
Contribution to Motorpool CIP	(28,091)	(181,292)	(552,852)	(80,010)	472,842	-85.5%
Legal Claim Contingency Accrual	-	(18,916,357)	-	-	-	-
Other Revenue (Expenses)	(1,366,975)	-	-	-	-	-
Total Nonoperating Revenues (Expenses)	**$ (6,266,676)**	**$ (20,500,229)**	**$ (5,502,282)**	**$ (1,919,560)**	**$ 3,582,722**	**-65.1%**
Increase (Decrease) in Cash Flow	$ 1,338,945	$ (14,609,692)	$ (1,101,426)	$ 12,047,204	$ 13,148,630	-1193.8%
Beginning Reserve	$ 54,571,982	$ 55,910,926	$ 55,910,926	$ 41,301,235	$ (14,609,692)	-26.1%
Ending Reserve	**$ 55,910,926**	**$ 41,301,235**	**$ 54,809,500**	**$ 53,348,439**	**$ (1,461,062)**	**-2.7%**
Assigned Reserve	$ 32,381,000	$ 34,718,000	$ 34,718,000	$ 37,445,000	$ 2,727,000	7.9%
Unassigned Reserve	$ 23,529,926	$ 6,583,235	$ 20,091,500	$ 15,903,439	$ (4,188,062)	-20.8%
** Unaudited*						
Days Cash on Hand	*757*	*500*	*590*	*494*	*(96)*	*-16.2%*

Budget Summary

The Coachella Canal was completed over 75 years ago. As with all assets, proper maintenance and repair ensures reliable performance at the lowest operating cost. Underfunded canal systems lead to lost water, higher operating costs, and unreliable water deliveries. The replacement cost of the system, which includes the 123-mile Coachella Canal, 485 miles of distribution pipelines, and 2,298 miles of drainage, is estimated to be over $1.6 billion. The District secured over $68.4 million in low-cost loans from USBR in fiscal year 2023 to fund irrigation lateral improvements and the mid-canal storage project.

Total revenues are budgeted at $53.4 million, or 39.3% higher than fiscal year 2023 budget. Water sales revenue is projected to decline by approximately $5.3 million compared to fiscal year 2023 budget. This is primarily due to lower class 2 usage related to the curtailment efforts at the Thomas E. Levy Facility as part of the voluntary compensated curtailment program with USBR (water normally purchased from the Canal fund by the East Replenishment fund). Intergovernmental revenues reflect an $18.8 million increase for fiscal year 2024 based on expected payments from USBR as part of the compensated curtailment program and reimbursement revenue previously recorded as a contra expense. Surcharge revenue shows an increase over 2023 actuals to reflect the expected completion of the Oasis project, with customers beginning to transition from well water to Canal water in fiscal year 2024. Property tax revenue remains strong due to assessed value growth, estimated to be $961,000 higher than fiscal year 2023 budget.

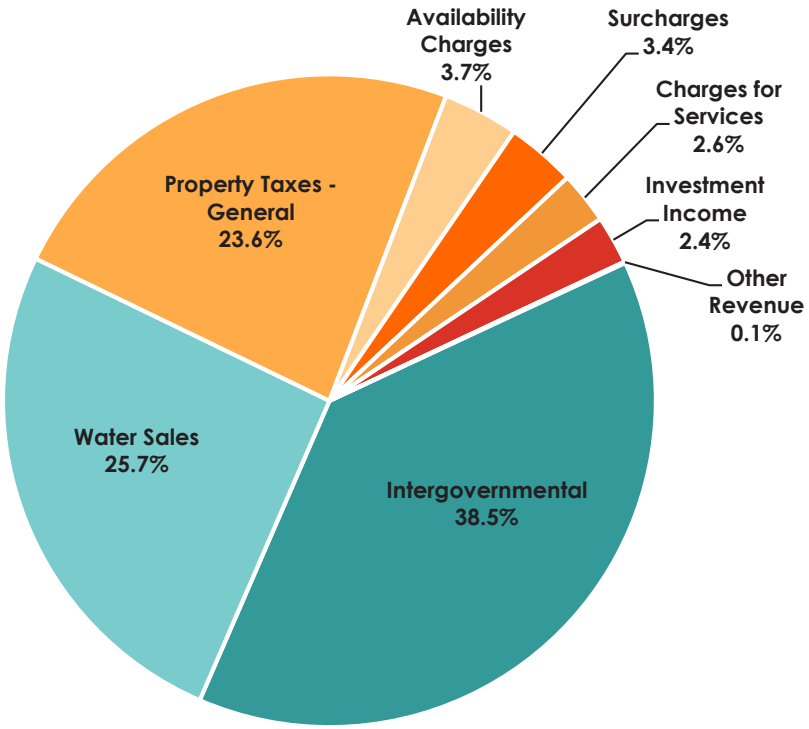
Total Operating expenses are budgeted at $39.4 million, or 16.2% higher than fiscal year 2023. An increase in the quantity of QSA water scheduled for 2023 results in higher water purchase costs for fiscal year 2024. The District discontinued its use of the Pass Through (Contra Expense) category in fiscal year 2024, which was used in the past to reduce costs that received reimbursement revenue, such as the Coachella Canal Lining Project (CCLP). Reimbursement revenues are now recorded in intergovernmental revenues, with no offset to total expenses, which is consistent with how revenues and expenses are presented in the audited financial statements.

Nonoperating Revenues include $17.8 million in loan proceeds from USBR to fund irrigation lateral projects and the mid-canal storage project. Total CIP expenditures are $19.6 million, with $80,000 in vehicle replacements. Fiscal Year 2023 includes $18.9 million for a legal claim contingency accrual related to an ongoing rate case. While this amount has not been expensed on a budgetary basis, it will be included in the audited financial statements for fiscal year 2023. It is presented here to demonstrate the potential impact to ending reserves. The District has appealed the adverse trial court decision and believes the basis of its appeal is well-founded.

Revenues

Canal Water fund revenues total $53.4 million, an increase of $15.0 million from fiscal year 2023 budget.

Revenues
Operating Revenue
$53,356,029

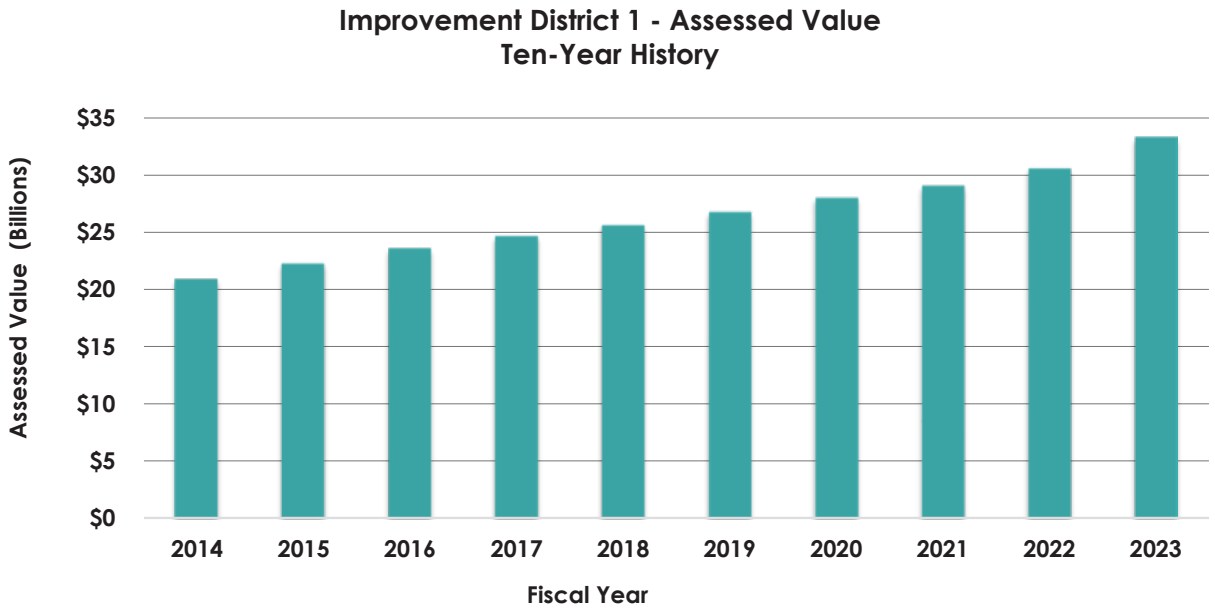


INTERGOVERNMENTAL revenues reflect 38.5% of budgeted revenues and include reimbursements the District receives from other agencies related to shared projects or agreements. This includes the Coachella Canal Lining Project (CCLP), power proceeds from Imperial Irrigation District, and curtailment revenue from the USBR. The District expects to curtail approximately 35,000 af in fiscal year 2024 at $400/af per the agreement.

WATER SALES are commodity sales, or the sale of water based on consumption in af (an acre-foot is equivalent to 325,851 gallons of water). Water sales represent 25.7% of operating revenues and are budgeted to decrease by 27.9% in fiscal year 2024. This is primarily due to a loss of water sales to the East Replenishment fund for the next three years due to curtailment activities at the Thomas E. Levy Facility.

PROPERTY TAXES account for 23.6% of Canal fund revenues. Property tax revenue includes redevelopment revenues representing pass-through agreements of former Redevelopment Agencies (RDAs), along with the District's allocated share of the 1% Riverside and Imperial County secured property tax levy pursuant to the California Revenue and Taxation Code.

The following graph details the growth in assessed value for ID 1 over the past 10 years.



IMPROVEMENT DISTRICT 1 PROPERTY TAXES are included in the District's 1% property tax allocation from Riverside County. These revenues are segregated and earmarked for the Canal fund before the distribution of the discretionary property taxes.

Improvement District 1 was formed to fund USBR contract repayment obligations for the Canal and its distribution and drainage systems. Although all debt obligations to USBR have been paid, the ID 1 property tax continues to be levied for the operation, maintenance, and replacement of the Canal, distribution, and drainage systems.

The revenues collected from the ID 1 tax are based on the assessed value of all properties within the improvement district boundary. The ID 1 boundary is shown on the following map.



Improvement District 1 Boundaries

AVAILABILITY CHARGES are budgeted at $2 million and account for 3.7% of Canal fund revenues. The District levies an annual per-acre charge on all parcels or groups of parcels located in ID 1 that can be served with canal water.

The Class 1 rate multiplied by 3.8 is the per-acre charge, which is the 10-year average water demand per acre. The charge can be satisfied each year in one of three ways: (1) by paying the amount of the levy in full, (2) by paying water service charges equal to or in excess of the levy for that parcel, or (3) in the event water service charges are less than the amount of the levy, by paying the difference. This revenue source can be difficult to estimate due to the variability of water use from year to year. In effect, the charge is a standby fee or take-or-pay fee to require those who benefit from the District's maintenance of facilities to supply canal water to pay for that benefit.

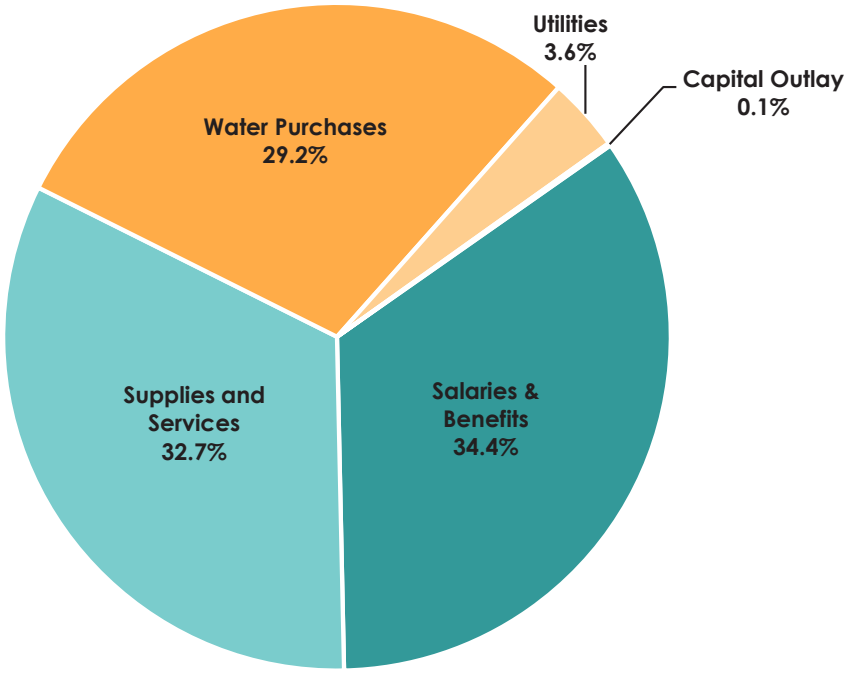
SURCHARGES total $1.8 million for fiscal year 2024, representing 3.4% of total revenues. Surcharge revenues include Quagga, Outside ID 1, and Oasis surcharge revenue. The Quagga surcharge is $3.63 per af of water purchased from the Canal Fund, while the Outside ID 1 surcharge is a per acre charge of $4.17 per acre per month. The Oasis surcharge is for customers using Canal water as part of the Oasis Project and is $59.26 per af.

INVESTMENT INCOME is budgeted at $1.3 million, representing 2.4% of total Canal operating revenues. Interest income is based on the cash balance in the fund and the interest generated by the combined investments of the District.

Expenses

Operating Expenses

$39,389,265



SALARIES & BENEFITS (NET OF CAPITALIZED LABOR) total $13.5 million, or 34.4 percent of total operating expenses. While this amount remains largely unchanged from fiscal year 2023, fiscal year 2024 budget includes a larger portion of capitalized labor due to CIP projects, which is included in the CIP portion of the budget. Full salaries & benefits (including capitalized labor) show a 2.1% increase for fiscal year 2024.

SUPPLIES & SERVICES are budgeted at $12.9 million, a 4.3% increase from fiscal year 2023 budget. The increase is primarily due to an increase in chemical treatment costs and contract services for fiscal year 2024.

WATER PURCHASES are budgeted at $11.5 million, an increase of $2.3 million from fiscal year 2023 budget, due to an increase in QSA water quantities in 2023, per agreement.

UTILITIES are budgeted at $1.4 million, an increase of $541,000 over fiscal year 2023 due to an anticipated increase in energy costs as customers transition from groundwater pumping to canal water as part of the Oasis project.

Capital Improvements

There are $19.6 million in capital improvements budgeted for fiscal year 2024. Projects include $600,000 for the L-4 Pump Station Relocation Project, $10.9 million for irrigation lateral replacements, $6.9 million for the mid-canal reservoir project, and $1.2 million for the Canal fund's share of General District projects.

More details on the Capital Improvements Plan are located in the Capital Improvement chapter.

Five-Year Forecast

The District completed a comprehensive Cost of Service Study (COSS) for the Canal Water fund in fiscal year 2021 and established maximum Proposition 218 rate increases for fiscal years 2022 through 2026. The Board has the ability to adopt rates up to the maximum rate each year as part of the budget process. Based on fiscal year 2023 performance and projected ending reserves, the Board elected to hold water rates at fiscal year 2023 level with no increase for fiscal year 2024.

The five-year forecast includes rate assumptions based on anticipated expenditures. It reflects the balance of ensuring positive operating income for the long term, maintaining coverage for potential future debt, and drawing down unassigned reserves over time to the assigned reserve target. Projected rates are based on current assumptions and will be revised during the next budget process. The following table compares the projected forecast rates to the Proposition 218 maximum rates.

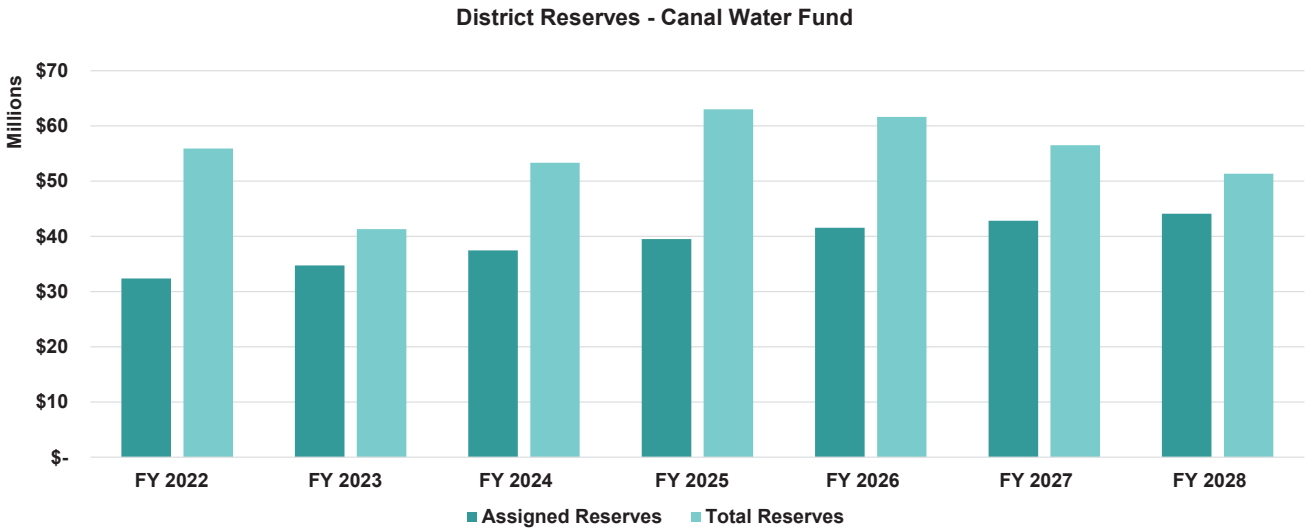
Forecast Rate Comparison **Canal (Per AF/Occurrence)**	**FY 2024 Rate**	**Change %**	**FY 2025 Rate**	**Change %**	**FY 2026 Rate**	**Change %**	**FY 2027* Rate**	**Change %**	**FY 2028* Rate**	**Change %**
Proposition 218 Maximum Rates										
Irrigation Water Commodity Charge	$ 36.13	2.6%	$ 37.07	2.6%	$ 38.03	2.6%	$ 38.03	0.0%	$ 38.03	0.0%
Water Supply Surcharge	71.37	2.6%	73.23	2.6%	75.13	2.6%	75.13	0.0%	75.13	0.0%
Construction Water Commodity Charge	55.52	3.2%	57.26	3.1%	58.77	2.6%	58.77	0.0%	58.77	0.0%
Quagga Mussel Surcharge	4.15	14.3%	4.22	1.7%	4.31	2.1%	4.31	0.0%	4.31	0.0%
Outside ID-1 Surcharge ($/acre/month)	4.43	6.2%	4.52	2.0%	4.62	2.2%	4.62	0.0%	4.62	0.0%
Oasis Surcharge	59.26	0.0%	59.26	0.0%	59.26	0.0%	59.26	0.0%	59.26	0.0%
Scheduled Gate Visits	27.97	18.9%	29.60	5.8%	31.36	5.9%	31.36	0.0%	31.36	0.0%
Unscheduled Gate Visits	55.95	18.9%	59.20	5.8%	62.71	5.9%	62.71	0.0%	62.71	0.0%
Forecast Projected Rates										
Irrigation Water Commodity Charge	$ 34.32	0.0%	$ 35.50	3.4%	$ 36.73	3.5%	$ 40.40	10.0%	$ 44.44	10.0%
Water Supply Surcharge	67.80	0.0%	70.14	3.5%	72.56	3.5%	79.81	10.0%	87.80	10.0%
Construction Water Commodity Charge	51.33	0.0%	53.10	3.5%	54.93	3.5%	60.43	10.0%	66.47	10.0%
Quagga Mussel Surcharge	3.63	0.0%	4.22	16.3%	4.31	2.1%	4.53	5.0%	4.75	5.0%
Outside ID-1 Surcharge ($/acre/month)	4.17	0.0%	4.52	8.4%	4.62	2.2%	4.85	5.0%	5.09	5.0%
Oasis Surcharge	59.26	0.0%	59.26	0.0%	59.26	0.0%	59.26	0.0%	59.26	0.0%
Scheduled Gate Visits	23.53	0.0%	29.60	25.8%	31.36	5.9%	32.93	5.0%	34.57	5.0%
Unscheduled Gate Visits	47.07	0.0%	59.20	25.8%	62.71	5.9%	65.85	5.0%	69.14	5.0%

* Proposition 218 Rates are only adopted through FY 2026.

Other revenues, including property tax revenue and availability charges, are expected to grow by approximately 2% to 3% during the forecast period. Water sales begin to increase in fiscal year 2026 as curtailment ends and water sales to the East Replenishment fund return to normal levels. Intergovernmental revenue will decrease significantly by fiscal year 2027 as USBR curtailment revenue payments end.

Operating expenses are forecasted to grow at approximately 5.8% per year. Salaries and benefits increase at a rate of 4% to 5% due to expected cost of living and merit increases. Debt service payments for the USBR loans are expected to begin in fiscal year 2025.

Canal Water Fund Five-Year Forecast	FY 2024 Budget	FY 2025	FY 2026	FY 2027	FY 2028
			Forecast		
Revenues					
Water Sales	$ 13,694,505	$ 14,397,741	$ 16,972,281	$ 20,874,304	$ 22,961,735
Availability Charges	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Surcharges	1,835,620	2,472,044	2,918,429	3,395,855	3,647,617
Property Taxes - General	12,617,670	12,870,023	13,256,124	13,653,808	14,063,422
Charges for Services	1,378,911	1,734,560	1,837,643	1,929,525	2,026,001
Intergovernmental	20,516,127	18,618,379	11,155,531	3,925,667	3,971,437
Investment Income	1,278,196	1,600,453	2,395,281	2,341,860	2,147,166
Other Revenue	35,000	35,000	35,000	35,000	35,000
Total Revenues	**$ 53,356,029**	**$ 53,728,200**	**$ 50,570,289**	**$ 48,156,019**	**$ 50,852,378**
Expenses					
Salaries & Benefits (Net of Capitalized Labor)	$ 13,543,755	$ 14,346,435	$ 15,043,760	$ 15,808,122	$ 16,390,028
Supplies and Services	12,884,349	13,368,705	13,794,430	14,165,806	14,547,646
Utilities	1,412,030	1,524,989	1,646,985	1,778,743	1,921,038
Water Purchases	11,498,681	12,748,802	15,504,345	15,969,476	16,448,560
Capital Outlay	50,450	52,973	55,622	58,403	61,324
Total Expenses	**$ 39,389,265**	**$ 42,041,904**	**$ 46,045,142**	**$ 47,780,550**	**$ 49,368,596**
Operating Income (Loss)	**$ 13,966,764**	**$ 11,686,296**	**$ 4,525,147**	**$ 375,469**	**$ 1,483,782**
Nonoperating Revenues (Expenses)					
Sources					
Loan Proceeds	$ 17,788,500	$ 12,978,500	$ 8,362,000	$ 6,960,000	$ 7,800,000
Uses					
Debt Service - External	-	(557,069)	(945,308)	(1,453,290)	(1,852,215)
Capital Improvement Budget	(19,628,050)	(14,070,750)	(12,979,250)	(10,650,250)	(12,219,000)
Contribution to Motorpool CIP	(80,010)	(557,260)	(573,980)	(561,000)	(562,760)
Other Revenue (Expenses)	-	205,559	205,559	205,559	205,559
Total Nonoperating Revenues (Expenses)	**$ (1,919,560)**	**$ (2,001,020)**	**$ (5,930,979)**	**$ (5,498,981)**	**$ (6,628,416)**
Increase (Decrease) in Cash Flow	$ 12,047,204	$ 9,685,276	$ (1,405,832)	$ (5,123,512)	$ (5,144,634)
Beginning Reserve	$ 41,301,235	$ 53,348,439	$ 63,033,715	$ 61,627,883	$ 56,504,371
Ending Reserve	**$ 53,348,439**	**$ 63,033,715**	**$ 61,627,883**	**$ 56,504,371**	**$ 51,359,737**
Assigned Reserve	$ 37,445,000	$ 39,491,260	$ 41,569,980	$ 42,845,000	$ 44,103,760
Unassigned Reserve	$ 15,903,439	$ 23,542,455	$ 20,057,903	$ 13,659,371	$ 7,255,977
Days Cash on Hand	*494*	*547*	*489*	*432*	*380*



Reserve Type Canal Water Fund	FY 2022 Actual	FY 2023 Actual*	FY 2024 Budget	FY 2025 Forecast	FY 2026 Forecast	FY 2027 Forecast	FY 2028 Forecast
Assigned Reserves	$ 32,381,000	$ 34,718,000	$ 37,445,000	$ 39,491,260	$ 41,569,980	$ 42,845,000	$ 44,103,760
Unassigned Reserves	23,529,926	6,583,235	15,903,439	23,542,455	20,057,903	13,659,371	7,255,977
Total Reserves	$ 55,910,926	$ 41,301,235	$ 53,348,439	$ 63,033,715	$ 61,627,883	$ 56,504,371	$ 51,359,737

Assigned Reserves by Type Canal Water Fund	FY 2022 Actual	FY 2023 Actual*	FY 2024 Budget	FY 2025 Forecast	FY 2026 Forecast	FY 2027 Forecast	FY 2028 Forecast
Operating	$ 7,174,000	$ 8,427,000	$ 9,835,000	$ 10,497,000	$ 11,497,000	$ 11,931,000	$ 12,327,000
Rate Stabilization	2,870,000	3,371,000	3,934,000	4,199,000	4,599,000	4,772,000	4,931,000
Capital	2,184,000	2,184,000	2,184,000	2,184,000	2,184,000	2,184,000	2,184,000
Emergency	19,595,000	20,183,000	21,412,000	22,054,000	22,716,000	23,397,000	24,099,000
Vehicle	558,000	553,000	80,000	557,260	573,980	561,000	562,760
Total Assigned Reserves	$ 32,381,000	$ 34,718,000	$ 37,445,000	$ 39,491,260	$ 41,569,980	$ 42,845,000	$ 44,103,760

* *Unaudited*

SANITATION FUND



Background

CVWD began wastewater collections and treatment services in 1968. The Sanitation Fund provides sanitation (sewer) service to approximately 104,000 accounts, serving an estimated population of 245,000. CVWD operates five wastewater reclamation plants (WRPs, plants) with a total combined plant capacity of 33.1 million gallons per day. The average daily flow of wastewater to the five plants is 17.05 million gallons. The District has the capacity at its reclamation plants to increase wastewater treatment as the Valley's population grows. CVWD also maintains 1,170 miles of collection piping systems and 27 lift stations. Today, Coachella Valley Water District recycles about 5.47 billion gallons of wastewater each year.

Wastewater is subjected to an advanced multi-step treatment process that disinfects and filters microscopic particles, organic chemicals, and pathogens from the water, bringing it to a tertiary level. This treatment improves the water quality to a high enough level for full-body contact and irrigation purposes but not for human consumption. Two of the plants, WRPs 7 and 10, produce tertiary treated water.

Recycled water is a safe alternative to potable water when the guidelines are followed and used for its intended purpose. Recycled water must meet strict water quality standards outlined in Title 22, Chapter 3, Division 4 of the California Code of Regulations. In order to make sure that CVWD's reclamation plants are meeting Title 22 standards, a recycled water sample is collected each day and analyzed for total coliform bacteria. Also, chlorine residual, modal contact time, and turbidity are continuously monitored. Every gallon of recycled water used for outdoor irrigation saves precious groundwater for potable use by domestic customers.

WRPs 1 and 2 are simple lagoon plants. WRP 4 consists of Biolac-activated sludge, solids handling, lagoon treatment, and disinfection. WRP 4 discharges into the Coachella Valley Stormwater Channel and is the District's only plant with a National Pollutant Discharge Elimination System (NPDES) permit. WRPs 7 and 10 use conventional activated sludge as the treatment process, along with chlorine disinfection. The adjacent table shows plant efficiencies for removing Total Suspended Solids (TSS) and Biological Oxygen Demand (BOD), expressed in milligrams per liter. Both are standard measures of wastewater strength. Since WRPs 1 and 2 do not discharge, there are no effluent values to calculate efficiency.

FY 2023 Wastewater Reclamation Plant Efficiencies

Plant		Influent	Effluent	% Removed
WRP 4	TSS	2,546	480	81.1%
	BOD	2,158	152	93.0%
WRP 7	TSS	3,569	58	98.4%
	BOD	2,838	16	99.4%
WRP 10	TSS	3,452	71	97.9%
	BOD	2,700	33	98.8%
Total	**TSS**	**9,567**	**609.3**	**93.6%**
	BOD	**7,697**	**200.4**	**97.4%**

Sewer Rates

Sewer customers are charged a consumption-based fixed service charge, which estimates sewage discharge, called an equivalent sewer unit (ESU). Sewage discharges for residential customers are based on an indoor water budget of 200 gallons per dwelling unit per day, established by the Domestic Water Fund. Multiplying the 200 gallons per day by 365 days per year yields an equivalent sewer unit of 73,000 gallons per year (approximately 97.6 hundred cubic feet). This ESU value is used as a common denominator to measure the relative impact of all customer classes on the sewer system.

In addition, a monthly account charge per customer is established to recover billing costs. Residential sewer bills are placed on the tax roll each year, so a monthly account charge reflects the costs of placing the sewer bill on the tax roll.

The rv/trailer park customer class has sewage production patterns similar to residential but receives monthly sewer bills rather than annual sewer bills. Therefore, they are charged a monthly account charge that reflects the higher cost to bill monthly.

Nonresidential accounts are based on potable water use, combined with an assumption of a "return to sewer" factor. The return to sewer factor estimates how much of the account's potable water use is discharged to the sewer drain as wastewater.

All residential and rv/trailer park customers are charged one service charge unit per dwelling unit. Nonresidential customers are charged one service charge per equivalent sewer unit. Based on 90% of their average daily water usage over the previous three years, ESU values are assigned to nonresidential customers.

The District completed a comprehensive Cost of Service Study (COSS) for the Sanitation fund in fiscal year 2022, with new rates adopted for fiscal year 2024. The following table outlines the rates in effect for fiscal year 2024.

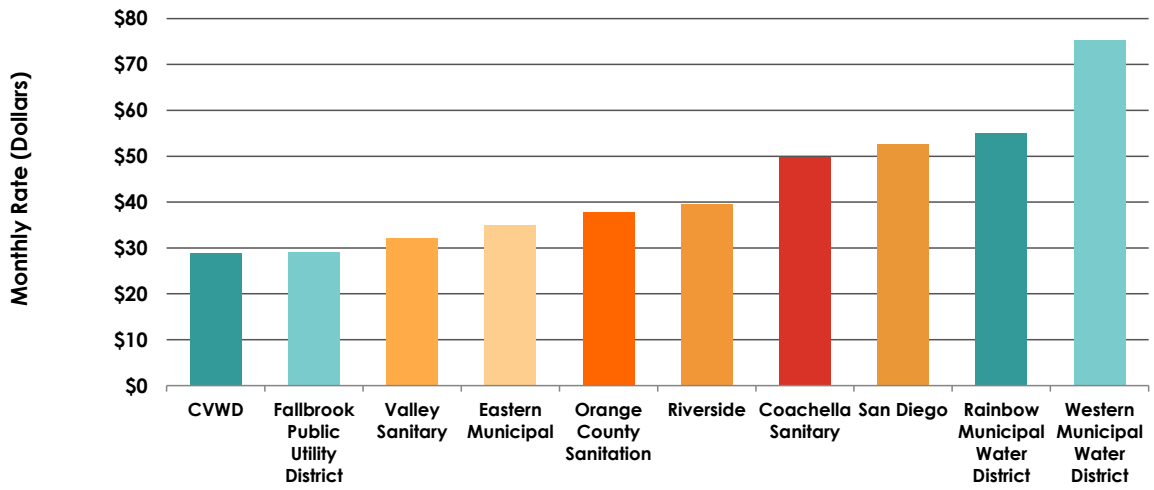
FY 2024 Monthly Sewer Rates

Customer Class	Account Charge	Service Charge per ESU
Residential	$1.69	$27.10
RV/Trailer Parks	$4.91	$27.10
Nonresidential	$4.91	$27.10

Sewer Rate Comparison

Residential customers receive their sanitation charges on their property tax bill. The charges are for one ESU and one monthly account charge multiplied by twelve. The District's residential sanitation rates remain the lowest compared to other providers, as shown in the graph below.

Residential Sewer Rate Comparison



Sanitation Fund	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Revenues						
Sanitation Service Fees	$ 40,351,782	$ 43,526,569	$ 42,548,422	$ 46,676,885	$ 4,128,463	9.7%
Availability Charges	60,206	48,558	81,680	60,000	(21,680)	-26.5%
Property Taxes - General	2,347,876	2,565,301	2,384,860	5,992,771	3,607,911	151.3%
Charges for Services	491,483	256,051	111,289	180,000	68,711	61.7%
Intergovernmental	-	238,700	-	-	-	-
Investment Income	633,913	535,192	479,614	1,116,284	636,670	132.7%
Other Revenue	188,268	225,879	-	25,000	25,000	-
Total Revenues	**$ 44,073,530**	**$ 47,396,251**	**$ 45,605,865**	**$ 54,050,940**	**$ 8,445,075**	**18.5%**
Expenses						
Salaries & Benefits (Net of Capitalized Labor)	$ 20,621,922	$ 21,276,155	$ 23,798,522	$ 23,906,590	$ 108,068	0.5%
Supplies and Services	10,734,885	11,629,279	12,549,439	13,599,093	1,049,654	8.4%
Utilities	5,241,051	6,421,358	5,419,234	5,647,617	228,383	4.2%
Pass-Through (Contra Expense)	-	-	(665,000)	-	665,000	-100.0%
Capital Outlay	291,235	357,857	152,867	499,733	346,866	226.9%
Total Expenses	**$ 36,889,093**	**$ 39,684,649**	**$ 41,255,062**	**$ 43,653,033**	**$ 2,397,971**	**5.8%**
Operating Income (Loss)	**$ 7,184,436**	**$ 7,711,602**	**$ 4,350,803**	**$ 10,397,907**	**$ 6,047,104**	**139.0%**
Nonoperating Revenues (Expenses)						
Sources						
Loan Proceeds	$ -	$ -	$ 8,970,300	$ 9,310,500	$ 340,200	3.8%
Capital Improvement Reimbursements	18,470	65,508	-	-	-	-
Use of Restricted Funds	-	1,052,530	7,296,700	8,278,900	982,200	13.5%
Grant Revenue	5,236,907	-	5,201,750	5,743,250	541,500	10.4%
Uses						
Debt Service - External	-	-	(1,986,045)	-	1,986,045	-100.0%
Capital Improvement Budget	(27,214,996)	(18,698,822)	(31,239,362)	(34,661,485)	(3,422,123)	11.0%
Contribution to Motorpool CIP	(2,059)	(1,138)	(245,788)	(386,568)	(140,780)	57.3%
Other Revenue (Expenses)	1,147,805	-	-	-	-	-
Total Nonoperating Revenues (Expenses)	**$ (20,813,874)**	**$ (17,581,922)**	**$ (12,002,445)**	**$ (11,715,403)**	**$ 287,042**	**-2.4%**
Increase (Decrease) in Cash Flow	$ (13,629,437)	$ (9,870,320)	$ (7,651,642)	$ (1,317,496)	$ 6,334,146	-82.8%
Beginning Reserve	$ 72,425,699	$ 58,796,262	$ 58,796,262	$ 48,925,941	$ (9,870,320)	-16.8%
Ending Reserve	**$ 58,796,262**	**$ 48,925,941**	**$ 51,144,620**	**$ 47,608,445**	**$ (3,536,174)**	**-6.9%**
Assigned Reserve	$ 30,897,016	$ 24,378,000	$ 24,378,000	$ 19,738,000	$ (4,640,000)	-19.0%
Unassigned Reserve	$ 27,899,246	$ 24,547,941	$ 26,766,620	$ 27,870,445	$ 1,103,826	4.1%
* *Unaudited*						
Days Cash on Hand	*582*	*450*	*452*	*398*	*(54)*	*-12.0%*

Budget Summary

Total revenues for fiscal year 2024 are budgeted at $54.1 million, an $8.4 million increase from fiscal year 2023 budget. Rate increases adopted by the Board as part of the cost of service study are reflected in the budget. Fiscal year 2024 revenues also include a $3.4 million allocation of discretionary property taxes.

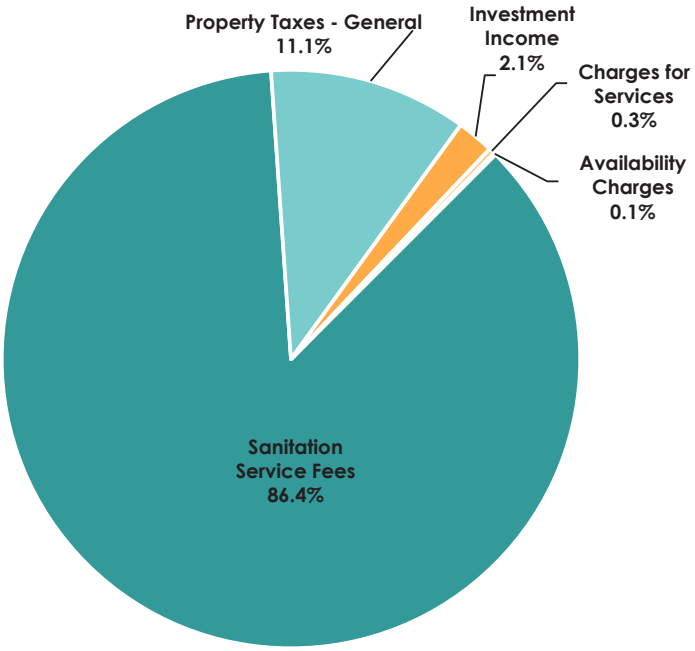
Expenses for fiscal year 2024 are budgeted at $43.7 million, a 5.8% increase over fiscal year 2023. Supplies and services reflect an 8.4% increase due to increased chemical costs, line maintenance, and inspections.

Reserves are budgeted at $47.6 million, a decrease of $3.5 million compared to fiscal year 2023 due to the planned use of reserves for capital projects.

Revenues

Operating Revenue

$54,050,940



Revenues

Sanitation fund revenues total $54.1 million, an 18.5% increase from fiscal year 2023. The chart shows a breakdown by type.

SANITATION SERVICE FEES are budgeted at $46.7 million and represent 86.4% of total operating revenues. Sanitation service fees are charged to residential customers as a flat monthly rate. The District places the annual residential sewer charges on the tax roll rather than sending a monthly bill to residential customers. The revenues are transmitted to the District by Riverside County in January and May and by Imperial County five times throughout the year.

PROPERTY TAXES account for 11.1% of operating revenues and are projected to increase in fiscal 2024 based on the expected increase in assessed value.

INVESTMENT INCOME is budgeted at $1.1 million, representing 2.1% of total Sanitation operating revenues. Interest income is based on the cash balance in the fund and the interest generated by the combined investments of the District.

Expenses

Budgeted expenses for the Sanitation Fund total $43.7 million, a 5.8% increase from fiscal year 2023 budget. The chart shows a breakdown of expenses by type.

SALARIES & BENEFITS total $23.9 million, or 54.8% of budgeted expenditures.

SUPPLIES & SERVICES are budgeted at $13.6 million, an increase of $1 million over fiscal year 2023, reflecting higher chemical costs and contract services for line maintenance and inspections.

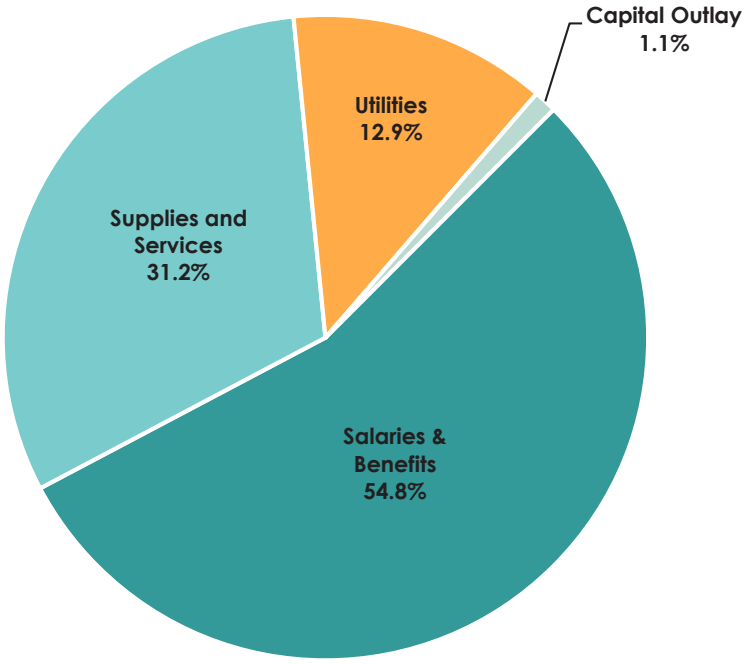
UTILITIES are budgeted at $5.6 million, an increase of 4.2%, due to increases in utility rates for fiscal year 2023.

CAPITAL OUTLAY is budgeted at $500,000.

Expenses

Operating Expenses

$43,653,033



Sanitation Restricted Funds

Sanitation Capacity Charge (SCC) Collection and Treatment fees are assessed on all new developments and connections of existing residential units and upgrades of existing commercial units within the District's sanitation system service area. These funds are restricted for constructing backbone facilities for collecting and treating wastewater that provides additional capacity to the enterprise. Fiscal year 2024 capital program requires the use of $5 million in SCC funds for sanitation projects and $3.3 million in Supplemental Water Supply Charge (SWSC) revenue for non-potable projects.

Five-Year Forecast

The District completed a comprehensive Cost of Service Study (COSS) for the Sanitation fund in fiscal year 2022 and established maximum Proposition 218 rate increases for fiscal years 2023 through 2027. The Board adopted the recommended rates for fiscal year 2024.

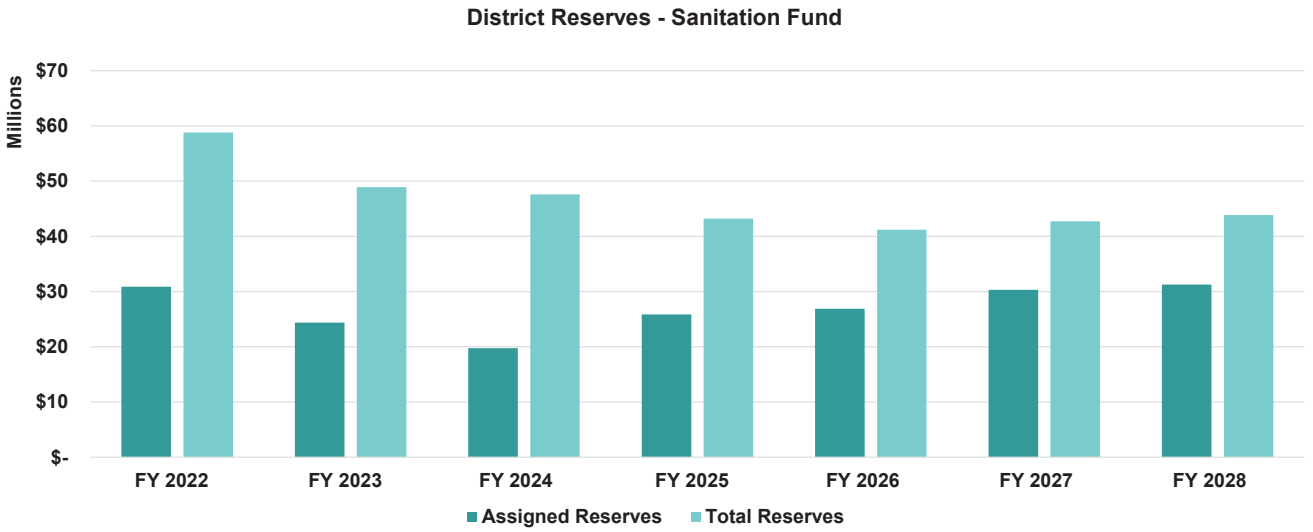
The five-year forecast includes rate assumptions based on anticipated expenditures and reflects the balance of ensuring positive operating income for the long term, maintaining coverage for anticipated future debt, and drawing down unassigned reserves over time to the assigned reserve target. Projected rates are based on current assumptions and will be revised during the next budget process. The following table compares the projected forecast rates to the Proposition 218 maximum rates for a typical Sanitation residential customer.

Forecast Rate Comparison **Sanitation Residential Customer**	**FY 2024 Rate**	**Monthly Charge**	**FY 2025 Rate**	**Monthly Charge**	**FY 2026 Rate**	**Monthly Charge**	**FY 2027 Rate**	**Monthly Charge**	**FY 2028* Rate**	**Monthly Charge**
Proposition 218 Maximum Rates										
Residential Fixed Account Charge	$ 1.69	$ 1.69	$ 1.73	$ 1.73	$ 1.91	$ 1.91	$ 2.07	$ 2.07	$ 2.07	$ 2.07
Equivalent Sewer Unit (ESU)	27.10	27.10	29.48	29.48	31.96	31.96	34.68	34.68	34.68	34.68
Total Monthly Sanitation Charge		**$ 28.79**		**$ 31.21**		**$ 33.87**		**$ 36.75**		**$ 36.75**
Year-Over-Year % Change		*8.5%*		*8.4%*		*8.5%*		*8.5%*		*0.0%*
Forecast Projected Rates										
Residential Fixed Account Charge	$ 1.69	$ 1.69	$ 1.73	$ 1.73	$ 1.91	$ 1.91	$ 2.07	$ 2.07	$ 2.25	$ 2.25
Equivalent Sewer Unit (ESU)	27.10	27.10	29.48	29.48	31.96	31.96	34.68	34.68	37.62	37.62
Total Monthly Sanitation Charge		**$ 28.79**		**$ 31.21**		**$ 33.87**		**$ 36.75**		**$ 39.87**
Year-Over-Year % Change		*8.5%*		*8.4%*		*8.5%*		*8.5%*		*8.5%*

* Proposition 218 Rates are adopted through FY 2027.

Sanitation rates are budgeted at the Proposition 218 maximum rates through fiscal year 2027 and projected at 8.5% for fiscal year 2028. The infusion of $3.4 million in discretionary property tax revenue beginning in fiscal year 2024 allows the fund to maintain reserves during the forecast period. Consistent rate increases supplemented by property tax revenue enable the fund to afford a $207 million CIP program over the next five years, utilizing pay-go funds, loans, grants, and restricted developer fees. Total operating expenses are increasing by an average of 4.4% per year during the forecast period.

Sanitation Fund Five-Year Forecast	FY 2024 Budget	FY 2025	FY 2026	FY 2027	FY 2028
			Forecast		
Revenues					
Sanitation Service Fees	$ 46,676,885	$ 51,090,681	$ 55,936,766	$ 61,246,636	$ 66,552,512
Availability Charges	60,000	60,000	60,000	60,000	60,000
Property Taxes - General	5,992,771	6,112,627	6,296,005	6,484,885	6,679,432
Charges for Services	180,000	185,400	190,963	196,691	202,592
Investment Income	1,116,284	1,428,253	1,642,993	1,566,139	1,623,790
Other Revenue	25,000	25,000	25,000	25,000	25,000
Total Revenues	**$ 54,050,940**	**$ 58,901,961**	**$ 64,151,727**	**$ 69,579,351**	**$ 75,143,326**
Expenses					
Salaries & Benefits (Net of Capitalized Labor)	$ 23,906,590	$ 24,822,443	$ 25,826,412	$ 27,394,938	$ 28,158,427
Supplies and Services	13,599,093	14,145,541	14,618,565	15,029,384	15,452,291
Utilities	5,647,617	6,099,422	6,587,380	7,114,371	7,683,522
Capital Outlay	499,733	524,720	550,957	578,506	607,433
Total Expenses	**$ 43,653,033**	**$ 45,592,126**	**$ 47,583,314**	**$ 50,117,199**	**$ 51,901,673**
Operating Income (Loss)	**$ 10,397,907**	**$ 13,309,835**	**$ 16,568,413**	**$ 19,462,152**	**$ 23,241,653**
Nonoperating Revenues (Expenses)					
Sources					
Loan Proceeds	$ 9,310,500	$ 12,189,500	$ 12,180,750	$ 5,115,000	$ 12,969,000
Use of Restricted Funds	8,278,900	9,029,900	10,130,000	8,638,407	9,569,329
Grant Revenue	5,743,250	4,405,500	8,062,750	8,128,750	6,742,250
Uses					
Debt Service - External	-	(1,095,189)	(1,095,189)	(3,394,177)	(3,394,177)
Capital Improvement Budget	(34,661,485)	(41,552,750)	(47,190,856)	(35,770,011)	(47,328,657)
Contribution to Motorpool CIP	(386,568)	(658,580)	(678,340)	(663,000)	(665,080)
Total Nonoperating Revenues (Expenses)	**$ (11,715,403)**	**$ (17,681,619)**	**$ (18,590,885)**	**$ (17,945,031)**	**$ (22,107,336)**
Increase (Decrease) in Cash Flow	$ (1,317,496)	$ (4,371,784)	$ (2,022,472)	$ 1,517,121	$ 1,134,317
Beginning Reserve	$ 48,925,941	$ 47,608,445	$ 43,236,662	$ 41,214,190	$ 42,731,311
Ending Reserve	**$ 47,608,445**	**$ 43,236,662**	**$ 41,214,190**	**$ 42,731,311**	**$ 43,865,628**
Assigned Reserve	$ 19,738,000	$ 25,873,000	$ 26,868,000	$ 30,310,000	$ 31,281,000
Unassigned Reserve	$ 27,870,445	$ 17,363,662	$ 14,346,190	$ 12,421,311	$ 12,584,628
Days Cash on Hand	*398*	*346*	*316*	*311*	*308*



Reserve Type Sanitation Fund	FY 2022 Actual	FY 2023 Actual*	FY 2024 Budget	FY 2025 Forecast	FY 2026 Forecast	FY 2027 Forecast	FY 2028 Forecast
Assigned Reserves	$ 30,897,016	$ 24,378,000	$ 19,738,000	$ 25,873,000	$ 26,868,000	$ 30,310,000	$ 31,281,000
Unassigned Reserves	27,899,246	24,547,941	27,870,445	17,363,662	14,346,190	12,421,311	12,584,628
Total Reserves	$ 58,796,262	$ 48,925,941	$ 47,608,445	$ 43,236,662	$ 41,214,190	$ 42,731,311	$ 43,865,628

Assigned Reserves by Type Sanitation Fund	FY 2022 Actual	FY 2023 Actual*	FY 2024 Budget	FY 2025 Forecast	FY 2026 Forecast	FY 2027 Forecast	FY 2028 Forecast
Operating	$ 9,178,000	$ 10,148,000	$ 10,788,000	$ 11,267,000	$ 11,758,000	$ 12,385,000	$ 12,824,000
Rate Stabilization	749,016	4,255,000	820,000	5,109,000	5,594,000	6,125,000	6,655,000
Capital	15,683,000	4,005,000	4,005,000	4,005,000	4,005,000	4,005,000	4,005,000
Emergency	3,738,000	3,738,000	3,738,000	3,738,000	3,738,000	3,738,000	3,738,000
Vehicle	248,000	246,000	387,000	659,000	678,000	663,000	665,000
Debt Service	1,301,000	1,986,000	-	1,095,000	1,095,000	3,394,000	3,394,000
Total Assigned Reserves	$ 30,897,016	$ 24,378,000	$ 19,738,000	$ 25,873,000	$ 26,868,000	$ 30,310,000	$ 31,281,000

* *Unaudited*

STORMWATER FUND



History

The Coachella Valley is an arid desert region averaging less than four inches of rain per year. However, the surrounding mountains are subject to much higher rainfall rates, which can produce unpredictable, damaging, and even deadly flash flooding events throughout the Coachella Valley.

Prior to 1915, efforts to manage damaging floods were handled by local communities (Indio, Coachella, or Mecca), but they soon realized that a regional solution was required. In 1915, the Coachella Valley Stormwater District was formed to manage regional flooding events that originate from the surrounding mountains and provide regional flood protection to the communities within the Coachella Valley.



Whitewater River at Indian Avenue as it appeared on March 23, 1965

The 1916 flood event was particularly devastating, with reports of a sheet of water a mile wide in Indio. Water was two feet deep or more on Fargo Street. Coachella, Thermal, and Mecca were underwater, and many miles of county roads were damaged or left in shambles, including the newly paved road in the upper valley. The Whitewater River's channel had become a narrowed, deeply scoured channel up to 50 feet deep from Cathedral City to Point Happy.

The threat of flooding not only comes from the Whitewater River, which collects runoff from Mount San Gorgonio and Mount San Jacinto, but numerous canyons surrounding the valley in the San Bernardino, San Jacinto, and Santa Rosa mountains. The Valley has tributaries reaching all the way to the summit of the San Gorgonio Pass.

When Coachella Valley County Water District (CVCWD, District) began operations in 1918, the District shared an office with the Coachella Valley Storm Water District.

Ultimately, the Storm Water District was too small and lacked funds to build the necessary infrastructure to protect Coachella Valley residents and businesses from major floods.

In 1937, Coachella Valley voters and special legislation (Water Code 33100-33106) allowed the Coachella Valley County Water District to merge with the Coachella Valley Storm Water District, with the successor Coachella Valley County Water District assuming the powers and duties of both the Storm Water and County Water District. In 1979, the District dropped "County" from its name and became known as the Coachella Valley Water District.

CVWD is currently responsible for much of the regional stormwater protection in the Coachella Valley. Historically, flooding in the Coachella Valley has been a dangerous occurrence, with widespread damage and even deaths occurring after severe storms. Many of the facilities that exist today were built or improved in the 1970s, 1980s, and 1990s in cooperation with cities and other agencies following severe floods.

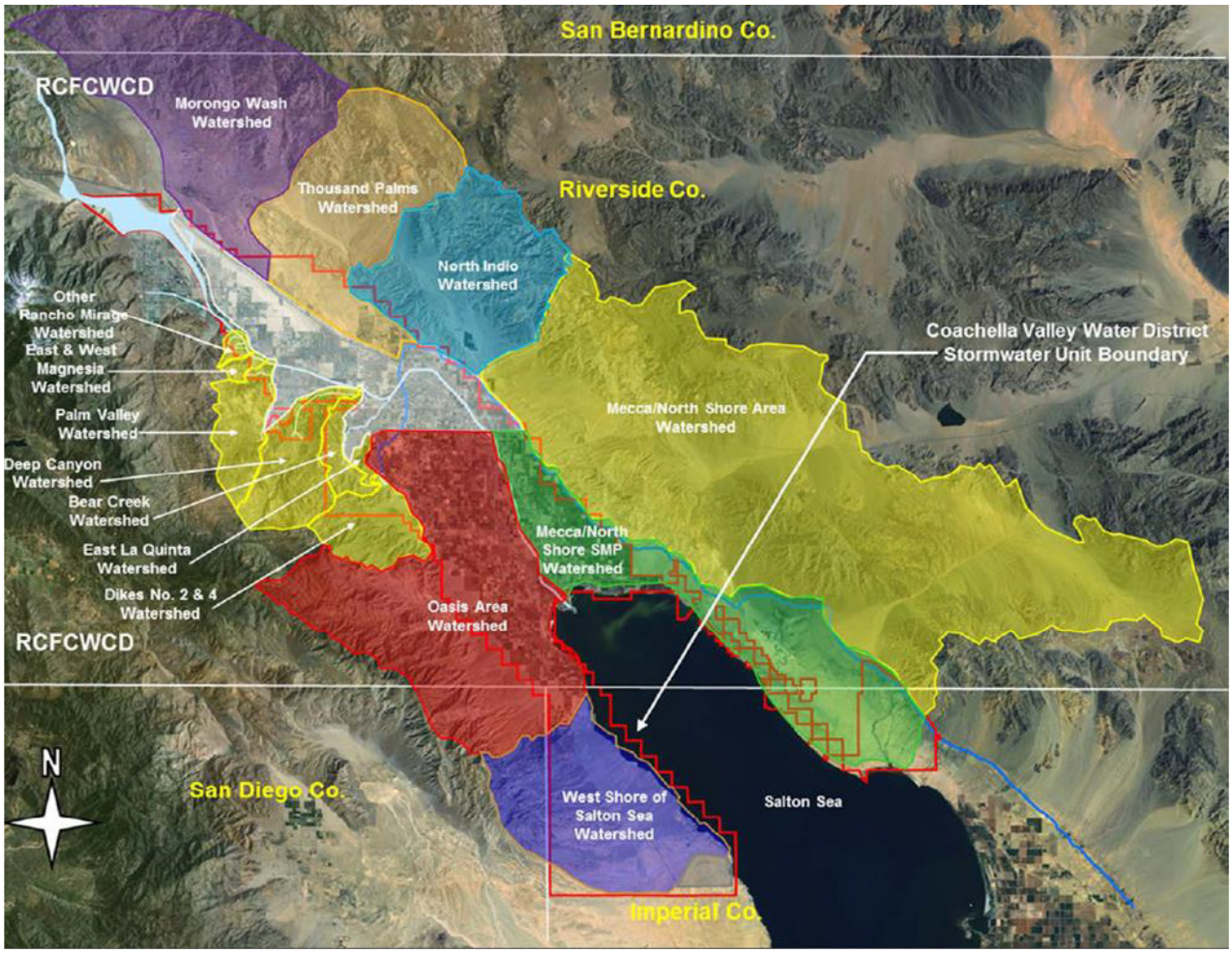
Background

CVWD protects over 381,479 acres from flooding, with Riverside County Flood Control District responsible for the remaining areas of the valley. There are 18 stormwater channels within CVWD's boundaries. The entire system includes approximately 169 miles of channels built along the natural alignment of dry creeks that naturally flow from the surrounding mountains into the Whitewater River. Along with the channels, a number of dikes and levees have been designed and built to collect rapidly flowing flood water as it pours from the adjacent mountains onto the valley floor.

The backbone of the valley's stormwater protection system is a 50-mile storm channel that runs from the Whitewater area north of Palm Springs to the Salton Sea. The channel's western half runs along the Whitewater River's natural alignment that cuts diagonally across the valley to Point Happy in La Quinta. This portion of the channel is called the Whitewater River Stormwater Channel. Since the riverbed flattens out naturally in the eastern valley, a man-made storm channel directs flood waters downstream from Point Happy to the Salton Sea. This man-made extension is referred to as the Coachella Valley Stormwater Channel.

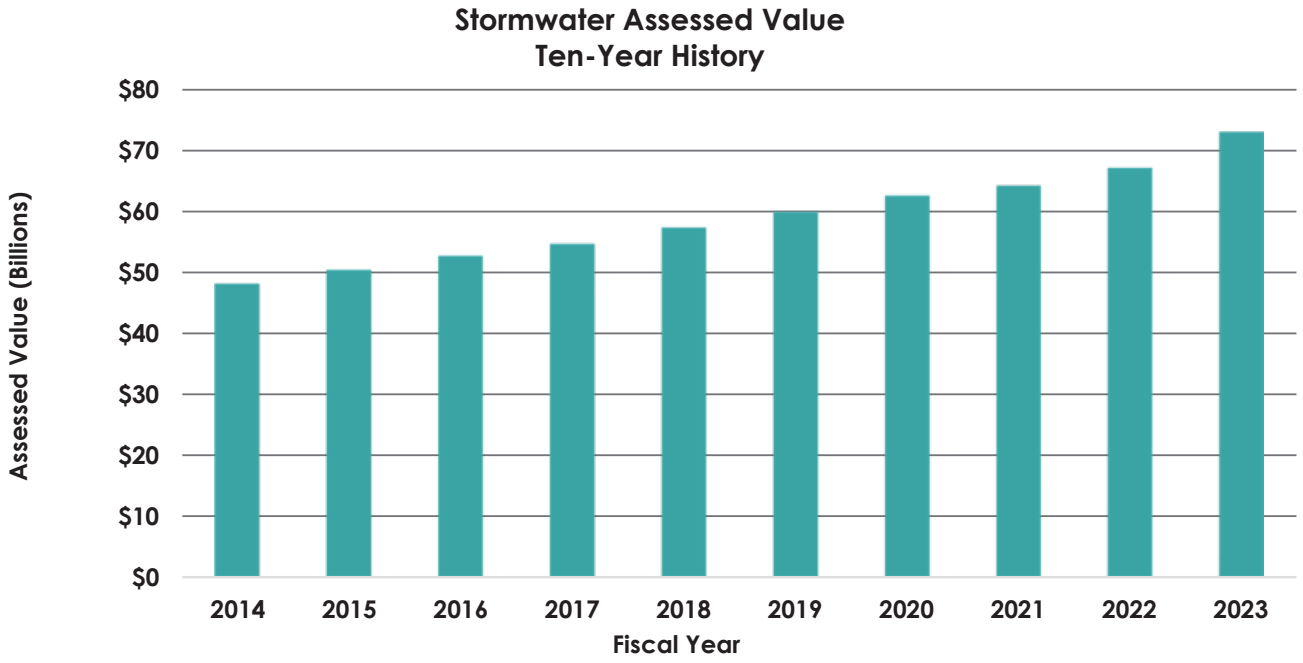
The Whitewater River/Coachella Valley Stormwater Channel was designed and built to withstand a standard project flood, or a flow of about 83,000 cubic feet per second, which is no longer used as a design standard. Regional stormwater facilities are currently designed and constructed using the 100-Year Flood design standard.

The following map depicts the numerous watershed areas that drain into the Coachella Valley, along with Coachella Valley Water District's Stormwater Unit Boundaries. The map references the Riverside County Flood Control and Water Conservation District (RCFCWCD), which has jurisdiction over areas outside of the CVWD Stormwater Unit Boundary.



With the merger of the Coachella Valley Storm Water District and the Coachella Valley County Water District, the District gained the designation of a “Stormwater Unit.” This designation gives CVWD the ability to raise taxes for bonds, indebtedness, works, improvements, and functions authorized by the Storm Water District Act of 1909. This tax levy remains in effect today and is part of the 1% of assessed value that Riverside and Imperial counties impose and collect from area property owners.

Stormwater protection is funded primarily by local property taxes. Property values reset each time there is a change in ownership, with the value being established at the sales price. In addition, values can increase each year based on CPI up to 2%. In fiscal year 2023, assessed value (AV) increased by 7.9% from fiscal year 2022 within the Stormwater Unit boundary. The following chart shows AV growth for the past 10 years.



With property taxes providing the main revenue source, expansion of the stormwater system is limited. The Thousand Palms area and rural areas in the eastern Coachella Valley from Oasis to Salton City do not currently have flood protection. In fiscal year 2019, the District completed the Eastern Coachella Valley Stormwater Master Plan. The plan is designed as a long-term, comprehensive stormwater master plan that identifies conceptual locations, alignments, and sizes for primary stormwater facilities within the 167 square mile Study Area. The Master Plan is a planning guide for locating and sizing regional stormwater and drainage facilities. It has been designed to be inherently flexible to allow CVWD to respond to physical, environmental, regulatory, and economic changes.

Stormwater Fund	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Revenues						
Property Taxes - General	$ 23,013,689	$ 26,159,628	$ 23,320,522	$ 25,481,906	$ 2,161,384	9.3%
Charges for Services	117,016	102,591	143,500	113,500	(30,000)	-20.9%
Intergovernmental	-	59,920	-	-	-	-
Investment Income	1,332,409	1,748,881	918,846	2,654,548	1,735,702	188.9%
Other Revenue	1,183,245	1,485,120	950,000	1,000,000	50,000	5.3%
Total Revenues	**$ 25,646,358**	**$ 29,556,139**	**$ 25,332,868**	**$ 29,249,954**	**$ 3,917,086**	**15.5%**
Expenses						
Salaries and Benefits	$ 5,891,848	$ 5,898,433	$ 6,478,492	$ 6,820,967	$ 342,475	5.3%
Capitalized Labor	(822,861)	(770,197)	(2,340,047)	(1,244,972)	1,095,075	-46.8%
Salaries & Benefits (Net of Capitalized Labor)	$ 5,068,988	$ 5,128,236	$ 4,138,445	$ 5,575,995	$ 1,437,550	34.7%
Supplies and Services	3,742,056	4,414,911	5,067,381	5,334,952	267,571	5.3%
Utilities	97,071	80,881	105,335	121,370	16,035	15.2%
Pass-Through (Contra Expense)	-	-	(245,000)	-	245,000	-100.0%
Capital Outlay	3,840	4,865	69,121	34,650	(34,471)	-49.9%
Total Expenses	**$ 8,911,954**	**$ 9,628,893**	**$ 9,135,282**	**$ 11,066,967**	**$ 1,931,685**	**21.1%**
Operating Income (Loss)	**$ 16,734,405**	**$ 19,927,246**	**$ 16,197,586**	**$ 18,182,987**	**$ 1,985,401**	**12.3%**
Nonoperating Revenues (Expenses)						
Sources						
Loan Proceeds	$ 54,331,680	$ 55,418,951	$ 48,257,251	$ 9,950,000	$ (38,307,251)	-79.4%
Capital Improvement Reimbursements	743,066	324,105	-	-	-	-
Grant Revenue	1,723,086	306,927	75,000	-	(75,000)	-100.0%
Uses						
Debt Service - External	(10,101,240)	(2,278,464)	(3,272,836)	(6,116,710)	(2,843,874)	86.9%
Capital Improvement Budget	(49,287,004)	(70,402,127)	(78,001,573)	(41,499,060)	36,502,513	-46.8%
Contribution to Motorpool CIP	(60,151)	(325,922)	(249,808)	(34,209)	215,599	-86.3%
Other Revenue (Expenses)	94,995	(45,000)	-	-	-	-
Total Nonoperating Revenues (Expenses)	**$ (2,555,567)**	**$ (17,001,530)**	**$ (33,191,966)**	**$ (37,699,979)**	**$ (4,508,013)**	**13.6%**
Increase (Decrease) in Cash Flow	$ 14,178,838	$ 2,925,716	$ (16,994,380)	$ (19,516,992)	$ (2,522,612)	14.8%
Beginning Reserve	$ 125,887,185	$ 140,066,023	$ 140,066,023	$ 142,991,739	$ 2,925,716	2.1%
Ending Reserve	**$ 140,066,023**	**$ 142,991,739**	**$ 123,071,643**	**$ 123,474,747**	**$ 403,104**	**0.3%**
Assigned Reserve	$ 48,020,000	$ 47,139,000	$ 47,139,000	$ 50,283,000	$ 3,144,000	6.7%
Unassigned Reserve	$ 92,046,023	$ 95,852,739	$ 75,932,643	$ 73,191,747	$ (2,740,896)	-3.6%
** Unaudited*						
Days Cash on Hand	*5,737*	*5,420*	*4,917*	*4,072*	*(845)*	*-17.2%*

Budget Summary

Stormwater ending reserves are budgeted at $123.5 million, a decrease of 19.5 million over fiscal year 2023 unaudited actuals. The decrease reflects the planned use of reserves for capital improvement projects. Property tax revenue remains strong due to growth in assessed value, reflecting a budgeted increase of $2.2 million or 9.3%. Total expenses are increasing by $1.9 million, as less labor will be capitalized in fiscal year 2024 as large construction projects wind down.

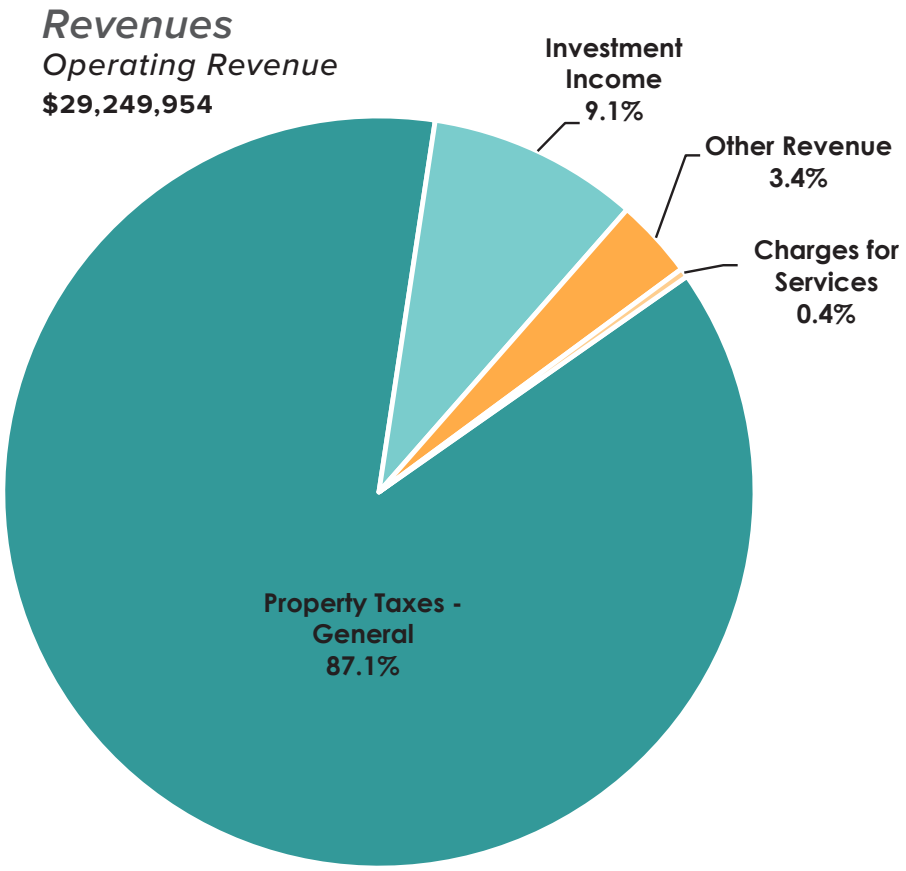
Revenues

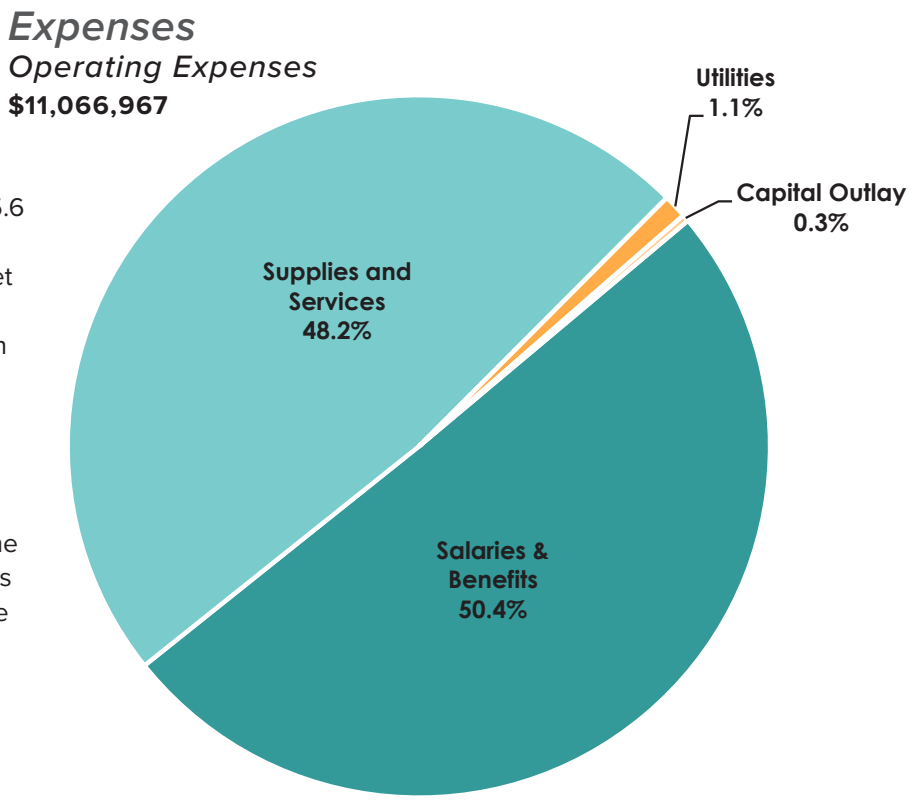
Stormwater revenues total $29.2 million, an increase of $3.9 million from fiscal year 2023. The chart below shows a breakdown by type.

PROPERTY TAXES account for 87.1% of revenues in the Stormwater Fund. Property tax revenues represent the District's dedicated share of the 1% Riverside and Imperial Counties secured property tax levy for the Stormwater Unit, pursuant to the California Revenue and Taxation Code.

INVESTMENT INCOME is generated on available cash balances in the fund and is a function of the reserve balance and investment performance. Revenue totals $2.7 million for fiscal year 2024.

OTHER REVENUE consists mainly of lease revenue from lands owned by the Stormwater Fund. This comprises 3.4% of the revenues of the fund.





SALARIES & BENEFITS (NET OF CAPITALIZED LABOR) are budgeted at $5.6 million, a 34.7% increase over fiscal year 2023 budget. As the size of the CIP budget decreases in fiscal year 2024, less labor is capitalized, resulting in the increase. When capitalized labor is included, fiscal year 2024 Salaries & Benefits are growing at approximately 5.3%.

SUPPLIES & SERVICES are 48.2% of budgeted expenditures, at $5.3 million. The increase is primarily due to increased costs for contract services and equipment usage for fiscal year 2024.

UTILITIES represent 1.1% of budgeted expenses at $121,000.

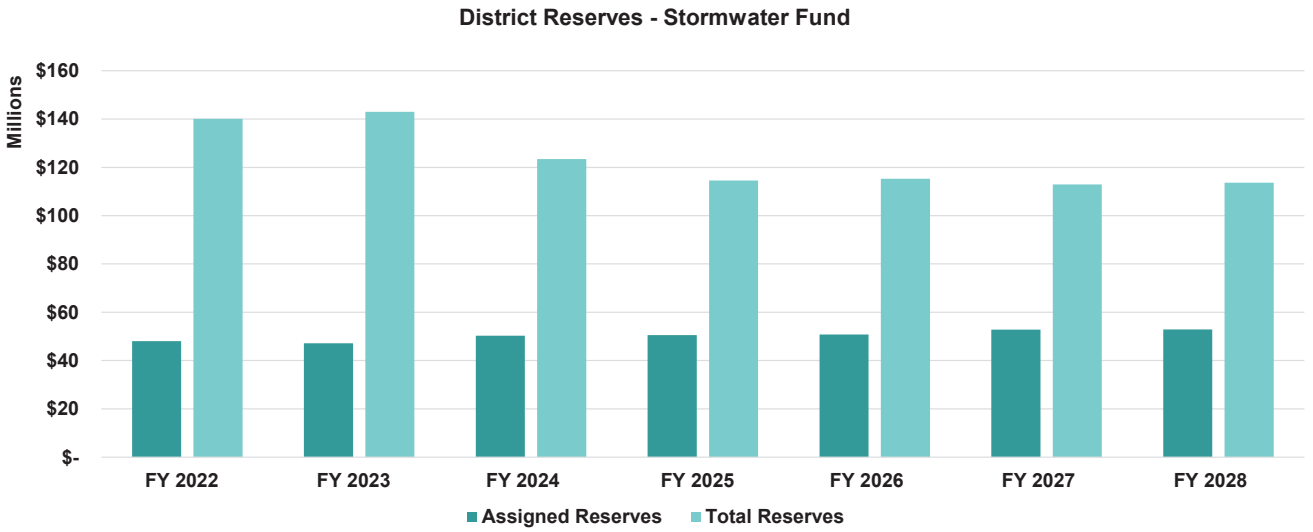
Capital Improvements

There are $41.5 million in capital improvement projects budgeted in fiscal year 2024, with $10 million in funding from remaining loan proceeds and the balance from pay-go and unrestricted reserves. Projects continue to focus on regional flood control master planning, design of wetlands, replacement of evacuation channels, levee certifications, and flood easement renewals. More details on the Capital Improvement Plan can be found in the Capital Improvements chapter.

Five-Year Forecast

Property taxes are budgeted to increase by approximately 3% each year through the forecast period, mainly due to increases in assessed value. Investment income is budgeted to increase due to anticipated investment returns and higher rates. Operating expenses are forecasted to grow at approximately 5.9% per year. Salaries and benefits increase significantly beginning in fiscal year 2025, as less labor is capitalized once several large capital projects are completed.

Stormwater Fund Five-Year Forecast	FY 2024 Budget	FY 2025 Forecast	FY 2026 Forecast	FY 2027 Forecast	FY 2028 Forecast
Revenues					
Property Taxes - General	$ 25,481,906	$ 25,991,544	$ 26,771,290	$ 27,574,429	$ 28,401,662
Charges for Services	113,500	116,905	120,412	124,025	127,745
Investment Income	2,654,548	3,704,242	4,351,515	4,379,076	4,292,860
Other Revenue	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Total Revenues	**$ 29,249,954**	**$ 30,812,691**	**$ 32,243,217**	**$ 33,077,530**	**$ 33,822,267**
Expenses					
Salaries & Benefits (Net of Capitalized Labor)	$ 5,575,995	$ 6,479,404	$ 7,072,436	$ 7,353,928	$ 7,674,645
Supplies and Services	5,334,952	5,542,735	5,724,164	5,880,518	6,041,310
Utilities	121,370	131,081	141,568	152,894	165,125
Capital Outlay	34,650	36,383	38,202	40,113	42,119
Total Expenses	**$ 11,066,967**	**$ 12,189,603**	**$ 12,976,370**	**$ 13,427,453**	**$ 13,923,199**
Operating Income (Loss)	**$ 18,182,987**	**$ 18,623,088**	**$ 19,266,847**	**$ 19,650,077**	**$ 19,899,068**
Nonoperating Revenues (Expenses)					
Sources					
Loan Proceeds	$ 9,950,000	$ 178,750	$ 147,000	$ 490,000	$ 2,646,000
Uses					
Debt Service - External	(6,116,710)	(6,120,460)	(6,121,210)	(8,052,178)	(8,051,803)
Capital Improvement Budget	(41,499,060)	(21,617,250)	(12,541,250)	(14,331,250)	(13,760,000)
Contribution to Motorpool CIP	(34,209)	(25,330)	(26,090)	(25,500)	(25,580)
Total Nonoperating Revenues (Expenses)	**$ (37,699,979)**	**$ (27,584,290)**	**$ (18,541,550)**	**$ (21,918,928)**	**$ (19,191,383)**
Increase (Decrease) in Cash Flow	$ (19,516,992)	$ (8,961,202)	$ 725,297	$ (2,268,851)	$ 707,685
Beginning Reserve	$ 142,991,739	$ 123,474,747	$ 114,513,546	$ 115,238,843	$ 112,969,992
Ending Reserve	**$ 123,474,747**	**$ 114,513,546**	**$ 115,238,843**	**$ 112,969,992**	**$ 113,677,678**
Assigned Reserve	$ 50,283,000	$ 50,557,000	$ 50,756,000	$ 52,799,000	$ 52,922,000
Unassigned Reserve	$ 73,191,747	$ 63,956,546	$ 64,482,843	$ 60,170,992	$ 60,755,678
Days Cash on Hand	*4,072*	*3,429*	*3,241*	*3,071*	*2,980*



Reserve Type Stormwater Fund	FY 2022 Actual	FY 2023 Actual*	FY 2024 Budget	FY 2025 Forecast	FY 2026 Forecast	FY 2027 Forecast	FY 2028 Forecast
Assigned Reserves	$ 48,020,000	$ 47,139,000	$ 50,283,000	$ 50,557,000	$ 50,756,000	$ 52,799,000	$ 52,922,000
Unassigned Reserves	92,046,023	95,852,739	73,191,747	63,956,546	64,482,843	60,170,992	60,755,678
Total Reserves	$ 140,066,023	$ 142,991,739	$ 123,474,747	$ 114,513,546	$ 115,238,843	$ 112,969,992	$ 113,677,678

Assigned Reserves by Type Stormwater Fund	FY 2022 Actual	FY 2023 Actual*	FY 2024 Budget	FY 2025 Forecast	FY 2026 Forecast	FY 2027 Forecast	FY 2028 Forecast
Operating	$ 2,008,000	$ 2,242,000	$ 2,758,000	$ 3,038,000	$ 3,235,000	$ 3,347,000	$ 3,470,000
Rate Stabilization	-	-	-	-	-	-	-
Capital	27,324,000	23,774,000	23,774,000	23,774,000	23,774,000	23,774,000	23,774,000
Emergency	17,600,000	17,600,000	17,600,000	17,600,000	17,600,000	17,600,000	17,600,000
Vehicle	252,000	250,000	34,000	25,000	26,000	26,000	26,000
Debt Service	836,000	3,273,000	6,117,000	6,120,000	6,121,000	8,052,000	8,052,000
Total Assigned Reserves	$ 48,020,000	$ 47,139,000	$ 50,283,000	$ 50,557,000	$ 50,756,000	$ 52,799,000	$ 52,922,000

* *Unaudited*



Whitewater stormwater repair

STATE WATER PROJECT & WATER REPLENISHMENT FUNDS



STATE WATER PROJECT FUND

What is the State Water Project?

The State Water Project (SWP) is the nation's largest water storage and delivery system, consisting of more than 705 miles of canals, pipelines, reservoirs, and hydroelectric power facilities. The SWP delivers water to 29 urban and agricultural water suppliers in California, which supply 27 million Californians and 750,000 acres of farmland and businesses with water. The original projected yield of State Project Water is approximately 4.2 million acre-feet (maf) per year.

The primary purpose of the SWP is to divert, store, and distribute water to Californians. Other purposes include flood control, power generation, recreation, fish and wildlife enhancement, and water quality improvement in the Sacramento-San Joaquin Delta (Delta). The Delta is an ecologically sensitive region where two of California's largest rivers meet, the Sacramento and San Joaquin Rivers. The Delta is the hub of the state's water distribution system and is one of the few estuaries in the world that is used as a major source of drinking water supply.

State Water Project and CVWD

On March 29, 1963, CVWD entered into a water supply contract with the State of California Department of Water Resources (DWR), becoming one of the original 29 State Water Project Contractors (SWC). Under the terms of the 1963 contract and additional contracts finalized after 1963 (between CVWD, DWR, and other SWC), CVWD secured rights to receive a maximum Table A annual delivery of 138,350 af per year through 2035. In 2022, a contract extension was finalized between CVWD and DWR that extends the duration of the original contract from 1963 an additional 50 years, from 2035 to 2085.

CVWD does not have the infrastructure to deliver State Project Water directly to its service area and instead relies on a "bucket for bucket" exchange agreement between the Metropolitan Water District of Southern California (MWD), CVWD, and Desert Water Agency (DWA) for the water delivery. This agreement allows CVWD and DWA to trade State Project Water with MWD for equal volumes of Colorado River water delivered to the Whitewater River and Mission Creek Groundwater Replenishment facilities through MWD's Colorado River Aqueduct. The exchange water is used to replenish the Whitewater River and Mission Creek groundwater subbasins, reducing overdraft and ensuring a reliable water supply for the Coachella Valley.

Cost of the State Water Project

All 29 State Water Contractors (Contractors) pay: 1.) capital charges, 2.) fixed minimum operation, maintenance, power, and replacement (OMP&R) charges, and 3.) variable OMP&R charges, in proportion to their maximum contractual water supply allocation and their California Aqueduct turnout location. These charges are recovered by DWR on the annual Statement of Charges and cover the cost of constructing, transporting, operating, and maintaining the SWP system. Contractors who are further away from the Delta, including CVWD and DWA, may pay higher transportation charges than those closer to the Delta.

Capital and OMP&R charges are paid annually, independent of the annual volume of water delivered. Transportation variable OMP&R charges are based on the actual volume of water delivered. Individual Contractors may also incur additional charges associated with water storage or delivery structures unique to their needs. One example is Lake Perris Dam, which is the terminal storage facility for the SWP on the East Branch of the California Aqueduct and only serves MWD, DWA, and CVWD.

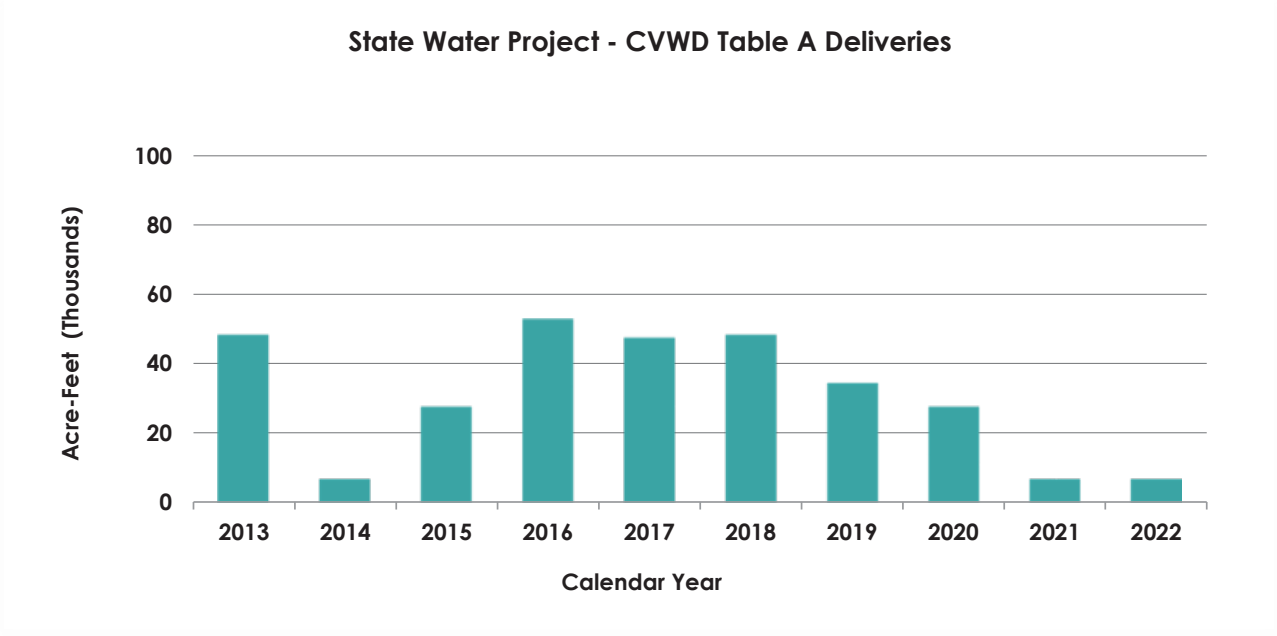
State Water Project Water Availability

Availability of the State Project Water supply is highly variable and based on several factors, including Contractors' projected demands, existing storage in SWP conservation facilities, estimates of future runoff, SWP operational and regulatory requirements from the Federal Endangered Species Act and California Endangered Species Act, and water rights obligations under the State Water Resources Control Board (SWRCB). The maximum contractual volume of water that a contractor may receive annually is listed in Table A, which is an exhibit in the SWP water supply contracts; however, actual water deliveries vary from year to year based upon the factors listed above.

On April 20, 2023, DWR announced a Table A allocation of 100% for calendar year 2023. Prior to the April announcement, allocations were revised from 5% in December 2022 to 30% in January 2023, 35% in February 2023, 75% in March 2023, and 100% in April 2023. Before 2023, the last year with a 100% Table A allocation was 2006.

The following chart depicts CVWD's SWP deliveries for the last 10 years and annual changes in availability.

Although DWR uses a long-term average delivery reliability of approximately 60% of the total entitlement, the Coachella Valley Water Management Plan uses a 50% average delivery reliability to be more conservative in its long-term projections.



State Water Project Challenges

The Delta faces numerous challenges to its long-term sustainability and reliability. The Delta pumps are turned off at various times throughout the year to limit salinity intrusion and to protect threatened and endangered species in the Delta, which impact the reliability of SWP supplies. Continued subsidence of Delta islands, many of which are already below sea level, and the potential of catastrophic levee failure also threaten the operations of the project. Climate change may increase the variability in floods and droughts. In addition, changes in sea level also negatively affect efforts to manage salinity levels and preserve water quality in the Delta in order for the water to remain suitable for species habitat and urban and agricultural users. In 2017 and 2019, abundant hydrology highlighted limitations associated with the state's storage and conveyance system. The voters passed the Water Quality, Supply, and Infrastructure Improvement Act of 2014 (Proposition 1) to provide opportunities to build new storage reservoirs to augment existing supplies.

Oroville Dam

At a height of 770 feet, Oroville Dam is one of the tallest earthen dams in the U.S. and serves as the first and largest reservoir within the SWP system. Constructed in 1961, it has a maximum capacity of 3.5 maf. Similar to most dams, Oroville Dam was built with spillways to be used to release water to maintain safe reservoir operating conditions. Oroville Dam was constructed with a concrete-lined channel (Gated Spillway) and an unlined earthen path that serves as the Emergency Spillway. The extraordinary precipitation event that occurred during the first two months of 2017 resulted in the use of the Gated Spillway and the Emergency Spillway in order to maintain a safe reservoir level. The large volume released caused significant damage and erosion to both spillways.

In May 2017, DWR and its construction contractors began repairing and rebuilding Oroville Dam's main and emergency spillways. Repairs at Oroville Dam cost DWR a total of $1.184 billion over the two years following the February 2017 storm that damaged the main and emergency spillways. Of that total, the Federal Emergency Management Agency (FEMA) share is 52% ($617 million) and the SWP share is 48% ($567 million).

Delta Conveyance Project

DWR continues to modernize the SWP facilities to better protect California's water supplies and to enhance public safety. The proposed Delta Conveyance Project (DCP) would modernize the water transport infrastructure of the SWP in the Delta by adding new facilities to divert water and upgrading the current conveyance system to include a single underground tunnel. Other objectives of DCP include the SWP's resilience to the impacts of climate change and extreme weather events, minimizing the impacts from earthquakes (delivery quantity and quality), and providing SWP operational flexibility to improve aquatic conditions and better manage risks of additional future regulatory constraints on project operations.

DWR initiated the planning for the proposed DCP in early 2020 and is pursuing numerous environmental compliances and permitting processes that must be completed prior to the construction and operation of the proposed project if approved by DWR after completion of the California Environmental Quality Act (CEQA) review. On July 27, 2022, DWR released the Draft Environment Impact Report (EIR) for the DCP, marking a major step in evaluating a key strategy to adapt to a changing climate and provide clean, reliable water for future generations. The Draft EIR public review and comment period closed on December 16, 2022, and DWR is in the process of reviewing and responding to public comments. DWR plans to issue a Final EIR by the end of 2023 or the beginning of 2024.

CVWD's Board has supported measures to ensure the reliability of delivery of CVWD's contracted-for water (Table A). As part of this effort, in 2020, CVWD's Board approved participation in the proposed DCP, and CVWD's current participation is 3.78% of the total. Funding has been approved through 2024 for the planning and design phase.

Sites Reservoir Project

The proposed Sites Reservoir Project will be an off-river reservoir that will capture excess water from major storms and store it for drier periods. The purpose of the Sites Project will be to provide reliable water supplies to communities, businesses, and farms during dry years when other water source supplies are low. The Sites Project will be environmentally beneficial, provide flood management and recreational opportunities, and contribute to California's renewable energy goals.

The Sites Project Authority, formed in 2010, initiated the planning for the proposed Sites Project and is currently pursuing numerous environmental compliance and permitting processes that must be completed prior to the construction and operation of the proposed project. On August 26, 2022, the Sites Authority released the Draft EIR for the Sites Project and plans to issue a Final EIR by the end of 2023.

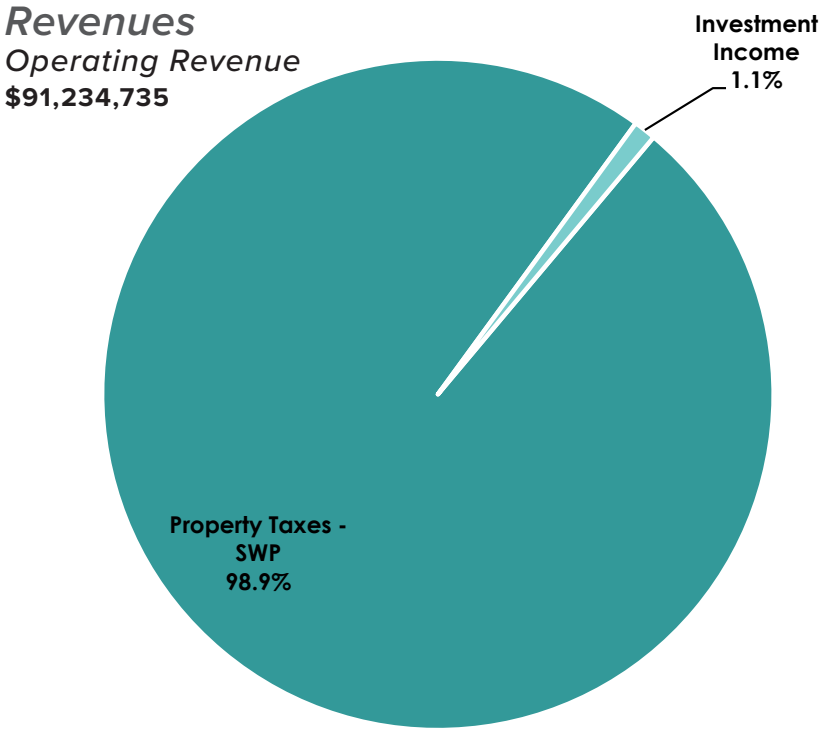
In recognition of the need to secure additional water supply for the Coachella Valley, in 2017, CVWD's Board approved participation of 10,000 af per year. Funding has been approved through 2024 for the planning and design phase.

State Water Project	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Revenues						
Property Taxes - SWP	$ 79,688,626	$ 91,386,821	$ 82,079,284	$ 90,254,230	$ 8,174,946	10.0%
Charges for Services	-	182	-	-	-	-
Investment Income	101,412	353,347	251,247	980,505	729,258	290.3%
Other Revenue	-	165	-	-	-	-
Total Revenues	**$ 79,790,038**	**$ 91,740,516**	**$ 82,330,531**	**$ 91,234,735**	**$ 8,904,204**	**10.8%**
Expenses						
Salaries & Benefits (Net of Capitalized Labor)	$ 281,087	$ 314,664	$ 306,555	$ 615,525	$ 308,970	100.8%
Supplies and Services	1,124,540	1,028,032	606,301	773,516	167,215	27.6%
Utilities	-	-	75	50	(25)	-33.3%
Water Purchases	60,131,882	64,556,710	72,245,957	92,623,919	20,377,962	28.2%
Capital Outlay	-	-	500	-	(500)	-100.0%
Total Expenses	**$ 61,537,509**	**$ 65,899,406**	**$ 73,159,388**	**$ 94,013,010**	**$ 20,853,622**	**28.5%**
Operating Income (Loss)	**$ 18,252,529**	**$ 25,841,110**	**$ 9,171,143**	**$ (2,778,275)**	**$ (11,949,418)**	**-130.3%**
Nonoperating Revenues (Expenses)						
Uses						
Other Revenue (Expenses)	$ 209,023	$ -	$ -	$ -	$ -	-
Total Nonoperating Revenues (Expenses)	**$ 209,023**	**$ -**	**$ -**	**$ -**	**$ -**	**-**
Increase (Decrease) in Cash Flow	$ 18,461,552	$ 25,841,110	$ 9,171,143	$ (2,778,275)	$ (11,949,418)	-130.3%
Beginning Reserve	$ 17,678,247	$ 36,139,799	$ 36,139,799	$ 61,980,909	$ 25,841,110	71.5%
Ending Reserve	**$ 36,139,799**	**$ 61,980,909**	**$ 45,310,942**	**$ 59,202,634**	**$ 13,891,692**	**30.7%**
Assigned Reserve	$ 20,000,000	$ 20,000,000	$ 20,000,000	$ 59,202,634	$ 39,202,634	196.0%
Unassigned Reserve	$ 16,139,799	$ 41,980,909	$ 25,310,942	$ -	$ (25,310,942)	-100.0%
* *Unaudited*						
Days Cash on Hand	*214*	*343*	*226*	*230*	*4*	*1.7%*

SWP tax revenues are budgeted to increase by $8.2 million due to projected increases in assessed value (AV). SWP taxes are authorized by Water Code section 11652, part of the Burns-Porter Act voters approved in November 1960, and by Article 34(a) of the District's contract with the Department of Water Resources for SWP supplies.

The levy for fiscal year 2024 is $0.11 per $100 of AV and is used to pay for State Water Project obligations. As an example, a house valued at $500,000 would be levied $550 ($500,000/100 X $0.11), or $45.83 a month. This levy is placed on the property tax roll for all nonexempt parcels within CVWD's boundaries.

INVESTMENT INCOME is budgeted at $981,000. Investment income is based on the cash balance in the fund and is the rate of return generated by the combined investments of the District.

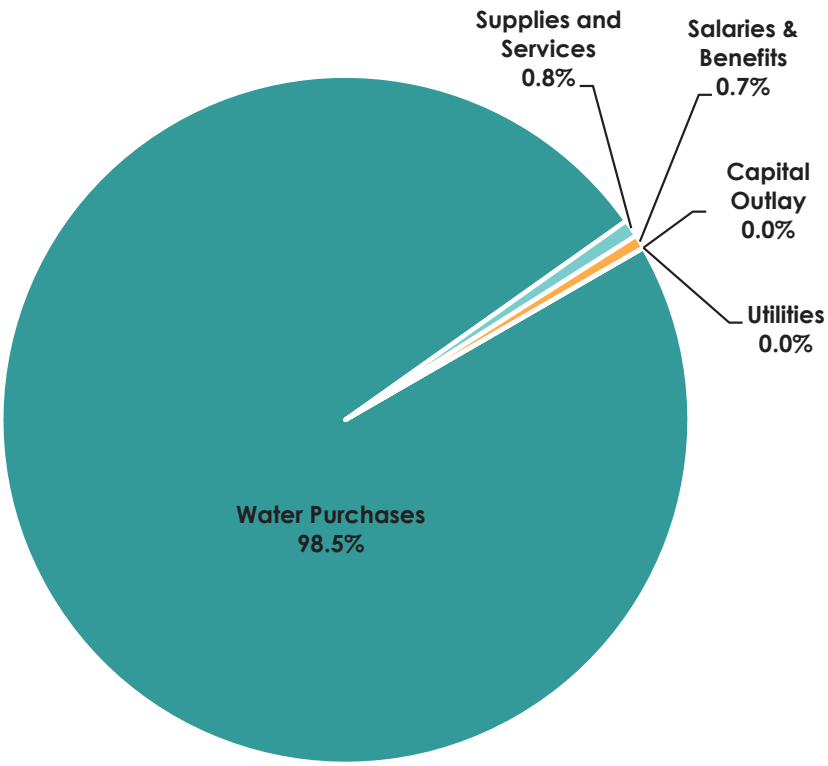


Expenses

Operating Expenses

$94,013,010

TOTAL OPERATING EXPENSES are budgeted at $94 million, an increase of $20.9 million compared to fiscal year 2023 budget. Fiscal year 2024 budget assumes CVWD will be eligible to receive up to 100% of its Table A allocation.

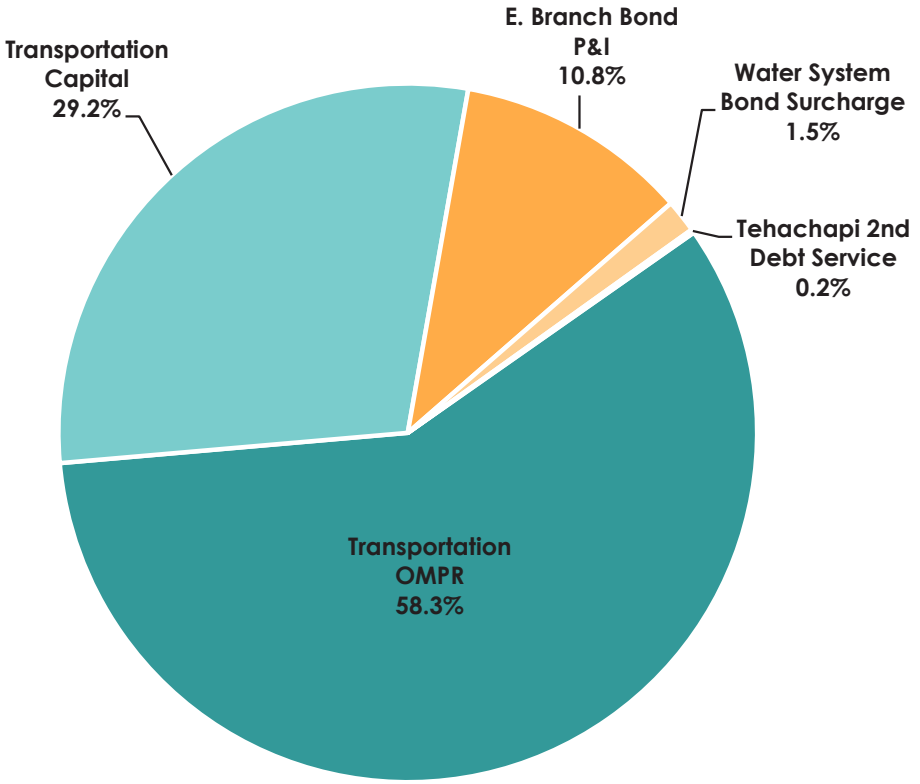


Distribution of SWP Budgeted

Fixed Expenses

$35,334,344

SWP expenses are divided into two main categories: fixed and variable. Fixed expenses include State-held debt service on bonds and fixed operating expenses of the system, which are paid regardless of whether the District receives any water or not. Variable expenses are dependent on the amount of water received by the District, contract amounts based on allocation percentages, and the distance between the release of the water and CVWD's delivery point. The following charts detail SWP costs by type.

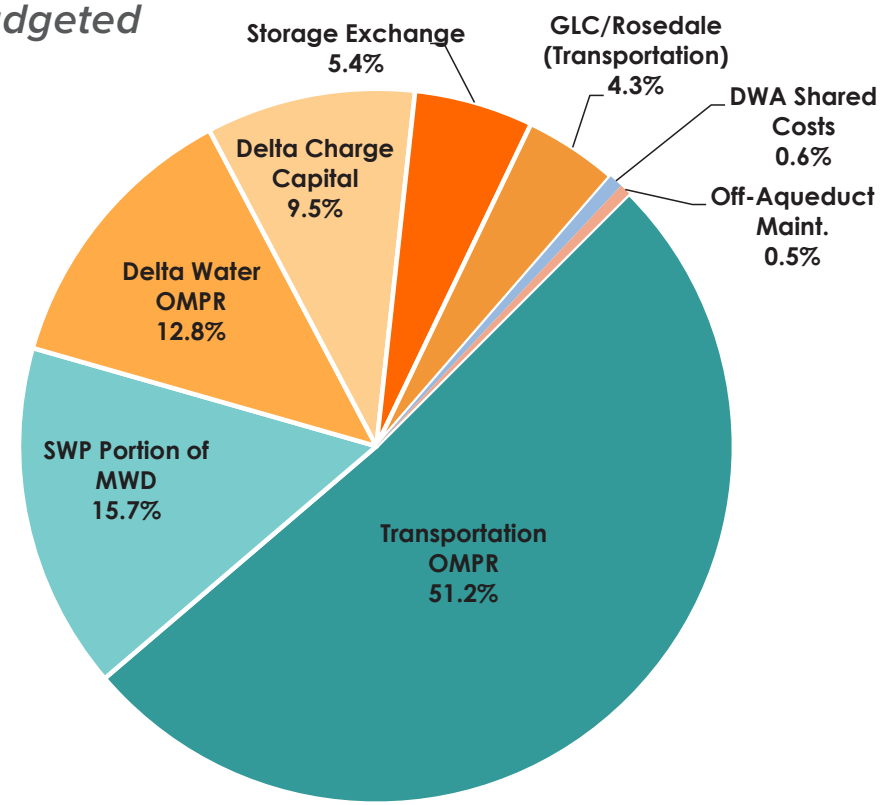


Distribution of SWP Budgeted

Variable Expenses

$57,289,575

SWP WATER PURCHASE COSTS total $92.6 million and represent a 28.2% increase over fiscal year 2023 budgeted expenses and a 42.7% increase over fiscal year 2023 unaudited actuals. Based on projected allocations, Table A variable costs are budgeted at $29.4 million in fiscal year 2024, compared to fiscal year 2023 unaudited actual amount of $4.6 million. Higher water allocation percentages also trigger additional SWP contract expenses, including $3.1 million in storage exchange costs, which pays for a share of Metropolitan Water District's (MWD) storage programs to ensure Table A deliveries to CVWD. Fiscal year 2024 also includes $2.4 million in transportation costs for the anticipated delivery of 9,500 af of Rosedale-Rio-Bravo water, with the commodity charges reflected in the West Replenishment fund.



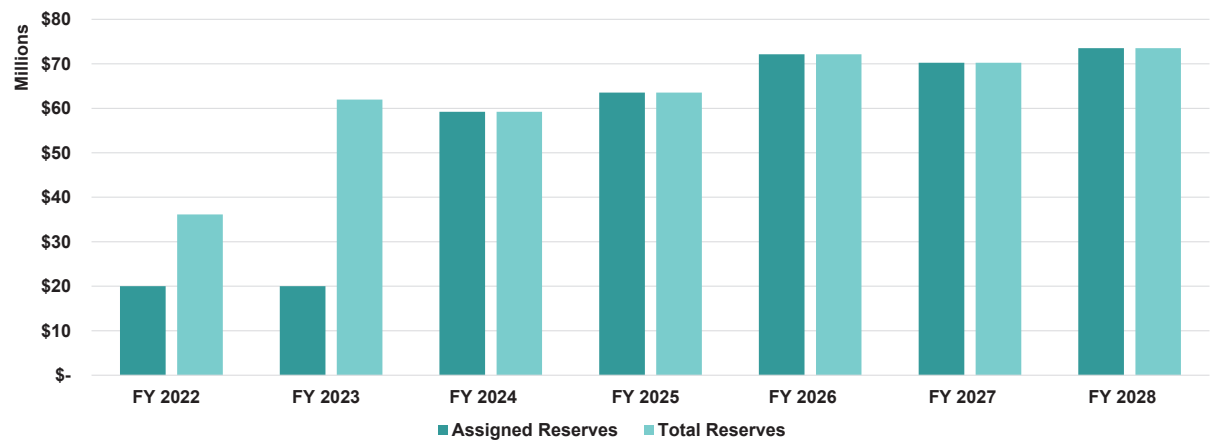
Five-Year Forecast

The five-year forecast includes projected increases in assessed value of approximately 3% per year and no increase to the current $0.11 per $100 of AV tax rate, with potential reductions in the tax rate in out years to match current expenditure projections and reserve balances. Table A water allocations are budgeted at 100% for calendar year 2023, with 50% allocations reflected in future forecast years. Water costs are highly variable due to changes in hydrology and are reviewed each year during the budget process. Large projects, including the Delta Conveyance Project, Sites Reservoir Project, and Perris Dam Seepage Recovery Project, will require evaluation when cost estimates become clearer in future years.

Due to the variable nature of expenses in this fund, the Board adopted changes to the SWP reserve policy in June 2023, which are reflected in the five-year forecast. Assigned reserves will now include an operating reserve targeted at 6 months of operating expenses, as tax revenue is primarily received in January and May, and cash flow timing requires an above-average reserve to ensure contractual obligations are met. As additional reserves are available during the five-year forecast, the SWP water purchases reserve will be funded, along with rate stabilization. The SWP tax rate will be reviewed each year to determine if adjustments are needed based on anticipated expenditures.

State Water Project Five-Year Forecast	FY 2024 Budget	FY 2025 Forecast	FY 2026 Forecast	FY 2027 Forecast	FY 2028 Forecast
Revenues					
Property Taxes - SWP	$ 90,254,230	$ 92,059,314	$ 92,782,191	$ 81,868,663	$ 91,170,510
Investment Income	980,505	1,776,079	2,413,922	2,741,250	2,669,500
Total Revenues	**$ 91,234,735**	**$ 93,835,393**	**$ 95,196,113**	**$ 84,609,913**	**$ 93,840,010**
Expenses					
Salaries & Benefits (Net of Capitalized Labor)	$ 615,525	$ 643,225	$ 672,172	$ 702,421	$ 729,813
Supplies and Services	773,516	789,999	806,753	823,777	841,159
Utilities	50	54	58	63	68
Water Purchases	92,623,919	88,080,480	85,103,229	84,971,828	89,014,715
Total Expenses	**$ 94,013,010**	**$ 89,513,758**	**$ 86,582,212**	**$ 86,498,089**	**$ 90,585,755**
Operating Income (Loss)	**$ (2,778,275)**	**$ 4,321,635**	**$ 8,613,901**	**$ (1,888,176)**	**$ 3,254,255**
Total Nonoperating Revenues (Expenses)	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
Increase (Decrease) in Cash Flow	$ (2,778,275)	$ 4,321,635	$ 8,613,901	$ (1,888,176)	$ 3,254,255
Beginning Reserve	$ 61,980,909	$ 59,202,634	$ 63,524,269	$ 72,138,170	$ 70,249,994
Ending Reserve	**$ 59,202,634**	**$ 63,524,269**	**$ 72,138,170**	**$ 70,249,994**	**$ 73,504,249**
Assigned Reserve	$ 59,202,634	$ 63,524,269	$ 72,138,170	$ 70,249,994	$ 73,504,249
Unassigned Reserve	$ -	$ -	$ -	$ -	$ -
Days Cash on Hand	*230*	*259*	*304*	*296*	*296*

District Reserves - State Water Project



Reserve Type State Water Project	FY 2022 Actual	FY 2023 Actual*	FY 2024 Budget	FY 2025 Forecast	FY 2026 Forecast	FY 2027 Forecast	FY 2028 Forecast
Assigned Reserves	$ 20,000,000	$ 20,000,000	$ 59,202,634	$ 63,524,269	$ 72,138,170	$ 70,249,994	$ 73,504,249
Unassigned Reserves	16,139,799	41,980,909	-	-	-	-	-
Total Reserves	$ 36,139,799	$ 61,980,909	$ 59,202,634	$ 63,524,269	$ 72,138,170	$ 70,249,994	$ 73,504,249

Assigned Reserves by Type State Water Project	FY 2022 Actual	FY 2023 Actual*	FY 2024 Budget	FY 2025 Forecast	FY 2026 Forecast	FY 2027 Forecast	FY 2028 Forecast
Operating	$ -	$ -	$ 47,007,000	$ 44,757,000	$ 43,291,000	$ 43,249,000	$ 45,293,000
Rate Stabilization	-	-	-	-	9,278,000	8,187,000	9,117,000
SWP (Water Purchases)	20,000,000	20,000,000	12,195,634	18,767,269	19,569,170	18,813,994	19,094,249
Total Assigned Reserves	$ 20,000,000	$ 20,000,000	$ 59,202,634	$ 63,524,269	$ 72,138,170	$ 70,249,994	$ 73,504,249

* *Unaudited*

WATER REPLENISHMENT FUNDS

Background

Decline in the Valley's water table was first noted in the 1910s when local residents and farmers became concerned when their artesian wells began drying up. When CVWD was formed in 1918, its first actions included obtaining water rights and building facilities near Windy Point to capture natural runoff from nearby mountains to help replenish the aquifer and to seek a supplemental water supply for the Coachella Valley. The Valley's high mountains provide a barrier, or rain shadow, against coastal storms. This effect renders the area a desert, averaging less than four inches of rain per year. This rainfall, along with snowmelt from surrounding mountains, is not enough to replenish what is pumped from the groundwater basin to meet the water demands of the Valley.

There are numerous "producers," including CVWD, that extract groundwater by pumping well water. Producers include well owners or operators that pump water from the aquifer, such as water agencies, golf courses, farmers, landowners, and other entities that operate wells. Producers who extract greater than 25 acre-feet (af) in a 12-month period within the groundwater replenishment areas of benefit (AOB) are subject to groundwater replenishment assessment charges (RACs). The State Water Code allows CVWD and Desert Water Agency (DWA) to levy and collect RACs in the Coachella Valley. RACs were levied by CVWD for the first time in fiscal year 1981 on groundwater producers in the West Whitewater River Subbasin AOB. Beginning in 2004, RACs were levied in the Mission Creek Subbasin AOB, and in 2005, RACs were levied in the East Whitewater River Subbasin AOB.

The replenishment activities of these subbasins are accounted for in three separate enterprise funds. The RACs cover a portion of the costs of importing supplemental water for replenishment, operation and maintenance of the replenishment basins, and various administrative costs, such as billing, meter reading, report preparation, and the costs for programs that provide incentives to use nonpotable water sources in place of groundwater.

Overdraft

To alleviate groundwater overdraft, CVWD and DWA import water to replenish the western portion of the Whitewater River Subbasin and the Mission Creek Subbasin. In addition, CVWD uses imported water to replenish the eastern portion of the Whitewater River Subbasin. These replenishment programs are key elements of the Coachella Valley Water Management Plan, which includes water conservation, additional imported water acquisition, water reclamation, and source substitution. The Coachella Valley Water Management Plan was approved in 2019 by the California Department of Water Resources as a functionally equivalent Groundwater Sustainability Plan for the Indio Subbasin to comply with the Sustainable Groundwater Management Act (SGMA). Average groundwater levels have increased in the last 10 years in the West Whitewater and East Whitewater areas of benefit.

Groundwater Replenishment

Soon after its formation in 1918, CVWD constructed facilities in the Whitewater River channel near Windy Point to help replenish the Whitewater River (Indio) Subbasin with water naturally flowing from the Whitewater River Canyon. In 1973, CVWD and DWA installed new groundwater replenishment facilities and began replenishing groundwater within this subbasin with imported water from the State Water Project (SWP). CVWD and DWA began replenishing groundwater in the adjacent Mission Creek Subbasin with this same imported water supply in 2002. Because the Coachella Valley does not have a direct connection to the SWP, CVWD, and DWA entered into agreements with the Metropolitan Water District (MWD) of Southern California to exchange water from MWD's Colorado River Aqueduct and receive advanced deliveries of this imported water supply.

In 2009, after 12 years of successful pilot tests, CVWD began operating the Thomas E. Levy (TEL) facility using Colorado River water from the Coachella Canal to replenish groundwater in the eastern portion of the Whitewater River Subbasin. In early 2019, CVWD started operating Phase 1 of the Palm Desert Groundwater Replenishment Facility (GRF) to replenish groundwater in the mid-valley area of the Whitewater River Subbasin, also using Colorado River water from the Coachella Canal.

Colorado River Water

CVWD was created to fulfill the need to supplement natural water replenishment with imported water, which would require a massive waterway that did not exist at the time. The 1928 Boulder Canyon Project Act authorized construction of Hoover Dam, Imperial Dam, the All-American Canal, and its 123-mile Coachella Branch (Coachella Canal), which would later become the lifeline from the Colorado River to Imperial and Coachella Valleys.

Construction of the Coachella Canal was completed in 1948, and now it conveys approximately 330,000 af per year primarily to serve farms. This enabled the agricultural industry to reduce groundwater pumping and help preserve the Coachella Valley groundwater basin.

In 2003, the Quantification Settlement Agreement (QSA) and Related Agreements were signed, which settled certain disputes among the U.S., California, MWD, Imperial Irrigation District, CVWD, and San Diego County Water Authority over Colorado River rights. The QSA and Related Agreements enabled its parties to implement major Colorado River water conservation and transfer programs, stabilizing water supplies for up to 75 years (up to 488,000 af per year maximum in 2026) for CVWD. Additional information regarding Colorado River water and the QSA is located in the Canal Water Fund section.



Colorado River water at the Whitewater Replenishment Facility

WEST WHITEWATER REPLENISHMENT FUND

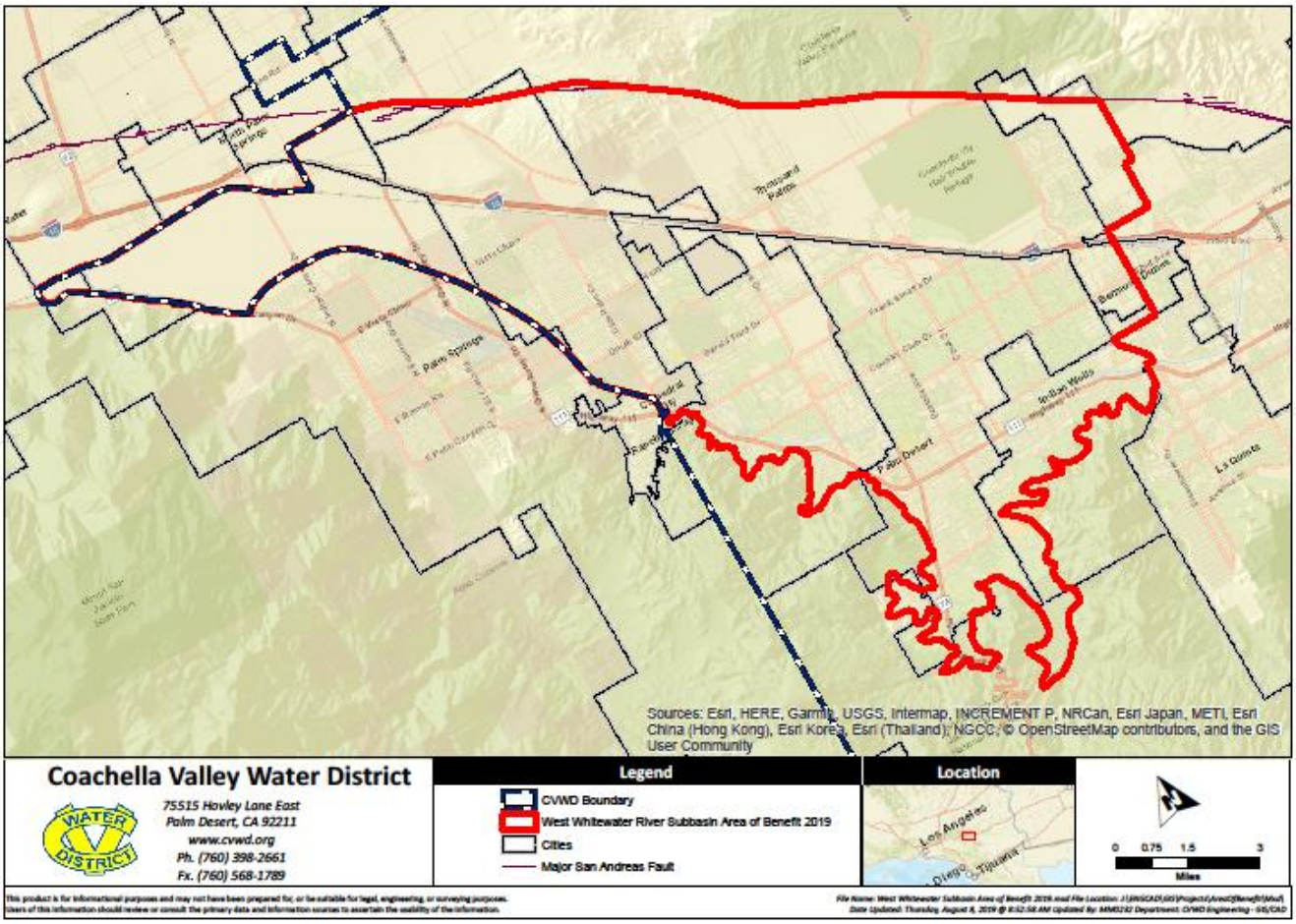
Background

In 1973, CVWD and DWA began using the SWP entitlement to replenish the western Coachella Valley's aquifer at the Whitewater spreading area northwest of Palm Springs. This replenishment area is referred to as the West Whitewater River Subbasin Area of Benefit (AOB), and its activities are accounted for in the West Whitewater Replenishment Fund (West Whitewater).

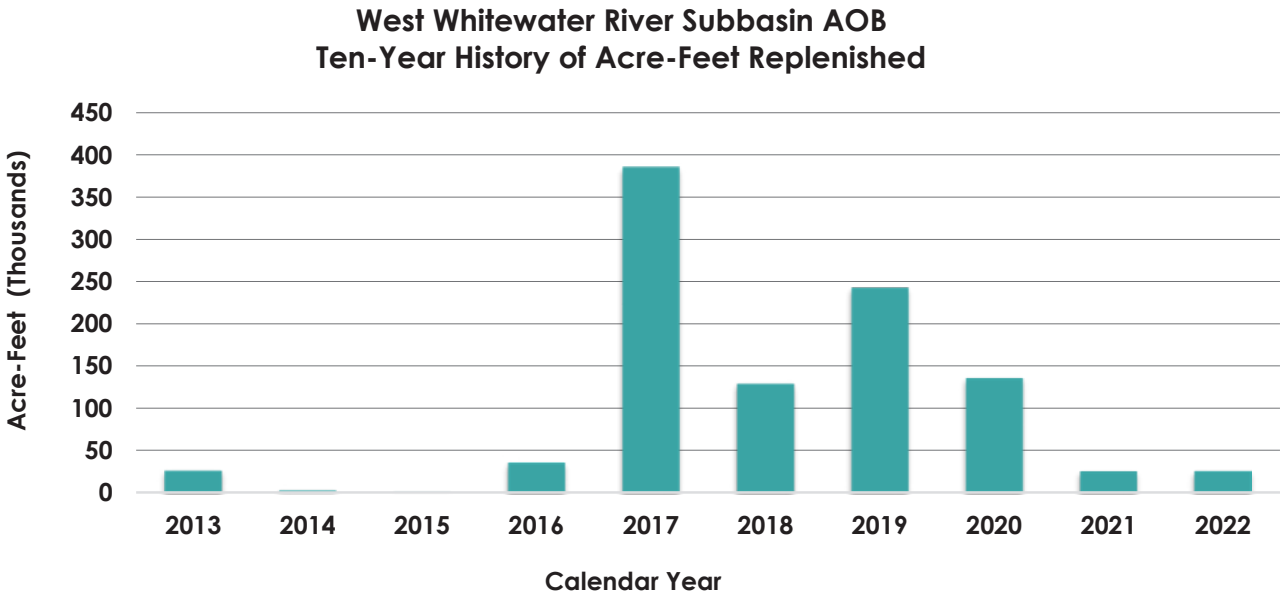
The West Whitewater River Subbasin AOB is replenished using imported water from the SWP, water purchased from MWD, Rosedale-Rio Bravo Water Storage District, other available purchase opportunities, and natural runoff. Other water purchases include the Metropolitan Water District QSA 35,000 Acre-foot Transfer. Beginning in early 2019, Colorado River water pumped from the Coachella Canal to the Palm Desert Groundwater Replenishment Facility through the Mid-Valley pipeline is also used to replenish the West Whitewater River Subbasin AOB.

The following map shows the West Whitewater AOB, along with CVWD Boundaries.

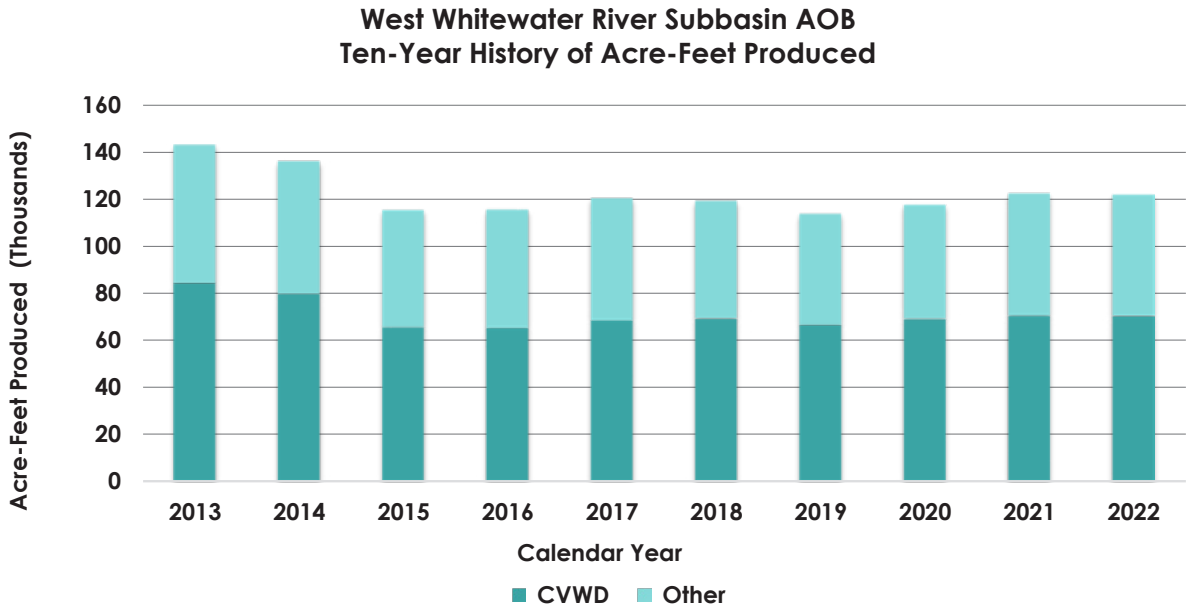
West Whitewater River Subbasin Area of Benefit



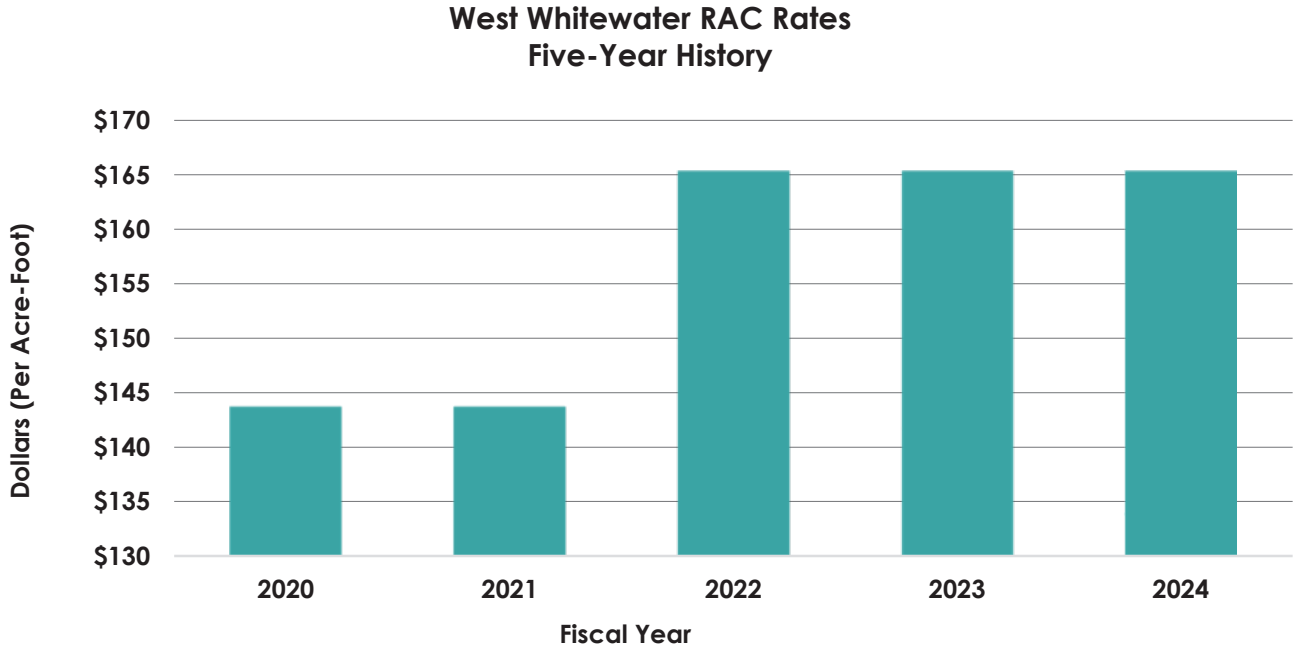
The chart below shows the amount of water CVWD and DWA have replenished over the last ten calendar years. It also shows the variability of the supply of SWP water. To date, CVWD, DWA, and MWD have replenished approximately 3.8 maf of water in the West Whitewater River Subbasin AOB. The amount of water replenished varies from year to year. This is due in part to the 1984 Advance Delivery Agreement between CVWD, DWA, and MWD, whereby the District allows MWD to predeliver up to 800,000 af of water in the Whitewater River Subbasin. MWD predelivered, or delivered in advance, a total of over 300,000 af of water from 2010 through 2012. In 2017 and 2018, MWD predelivered an additional 285,000 af and 90,083 af of water, respectively, which is reflected in the chart below. In years where an advanced delivery balance exists, MWD may deliver less than CVWD's and DWA's SWP allocations to the Coachella Valley and instead draw down the advance delivery account. This agreement provides flexibility by allowing MWD to store Colorado River water in the Whitewater River Subbasin in wet years and draw on that storage in dry years. During critically dry years, this agreement also allows water to be predelivered into MWD's service area under specified repayment conditions. At the end of calendar year 2022, MWD's balance in its advance delivery storage account was 281,347 af.



There were 70 producers subject to the RAC in the West Whitewater River Subbasin AOB that pumped 122,060 af of water from the aquifer in calendar year 2022, a decrease of 353 af from 2021. Of the total af produced in 2022, CVWD's wells produced 70,550 af for use as domestic water compared to 70,822 af in 2021, a decrease of 272 af. The chart below shows the amount of water produced in the subbasin over the last ten calendar years.



The chart below shows the five-year history of replenishment rates for the West Whitewater Replenishment Fund. As part of the 2021 Cost of Service Study (COSS), the Board approved a 15% rate increase for fiscal year 2022. For fiscal year 2024, the Board elected to hold the rate at $165.37 per af with no increase.



Nonpotable Water

CVWD initially started providing nonpotable water in 1968 with the acquisition of Water Reclamation Plant 9 (WRP 9). The facility was previously known as Palm Desert Country Club's wastewater treatment and recycling facility. WRP 9 provided Palm Desert Country Club with recycled water for golf course irrigation. Since that time, the District has continued to expand the use of recycled water.

In 1987, CVWD expanded operations with delivery of nonpotable water to Santa Rosa, Palm Desert Greens, and Portola Country Clubs from WRP 10. In 1997, the District began delivering nonpotable water to Sun City from WRP 7.

Previously, nonpotable water was strictly reclaimed wastewater (recycled water). Currently, nonpotable water includes not only recycled water but also Colorado River water (canal water) via the Mid-Valley Pipeline (MVP) or a blend of recycled water and canal water.

Canal water is a critical component of nonpotable water since there is not sufficient recycled water available to irrigate all of the valley's golf courses on a year-round basis. Most of the Valley's recycled water is produced in the winter, during high season. But golf course water demand is highest during the summer when the Valley's population is at its lowest, temperatures are at their highest, and recycled water supplies are reduced. Thus, canal water is necessary to make up the difference.

In 2009, the District completed the first phase of the Mid-Valley Pipeline. The 54-inch, 6.8-mile-long pipeline is buried more than 20 feet below the Coachella Valley Stormwater Channel and delivers Colorado River water to customers and WRP 10, where it can be used both for groundwater replenishment and golf course irrigation. Initially, the MVP provided a reliable supply of nonpotable water year-round to 13 customers already using recycled water for at least some of their irrigation.

Customers whose properties are adjacent to the MVP are able to connect directly and receive strictly Colorado River water. The balance of the Colorado River water delivered by the MVP to WRP 10 is received into a 65-acre-foot storage reservoir and is capable of being pumped into a 45-acre-foot (af) blending reservoir, where it can be mixed with recycled water. This water is subsequently delivered to nonpotable customers for irrigation purposes.

In fiscal year 2020, water sales and related expenses incurred in delivering and promoting the use of recycled water and Colorado River water delivered by the MVP were incorporated into the West Whitewater fund. The change reflects the benefit to customers served by that fund of the availability of these additional nonpotable supplies for uses such as golf courses and large landscape irrigation.

West Whitewater Replenishment	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Revenues						
Water Sales	$ 3,634,759	$ 3,333,834	$ 4,673,725	$ 4,767,200	$ 93,475	2.0%
Replenishment Charges	20,607,437	18,927,604	18,830,682	19,844,400	1,013,718	5.4%
Property Taxes - General	2,214,111	2,164,778	2,280,498	2,451,574	171,076	7.5%
Charges for Services	26,073	15,576	5,000	5,000	-	-
Intergovernmental	6,526	381,590	-	480,172	480,172	-
Investment Income	406,165	517,786	228,771	738,010	509,239	222.6%
Other Revenue	52,758	110,428	10,000	-	(10,000)	-100.0%
Total Revenues	**$ 26,947,828**	**$ 25,451,596**	**$ 26,028,676**	**$ 28,286,356**	**$ 2,257,680**	**8.7%**
Expenses						
Salaries & Benefits (Net of Capitalized Labor)	$ 3,247,945	$ 3,533,384	$ 4,123,377	$ 4,370,029	$ 246,652	6.0%
Supplies and Services	2,666,808	4,441,088	4,283,887	3,861,693	(422,194)	-9.9%
Utilities	870,149	896,977	816,560	806,712	(9,848)	-1.2%
Water Purchases	17,456,083	12,077,362	12,966,587	18,907,359	5,940,772	45.8%
QSA Mitigation Costs	1,287,788	1,494,745	1,494,000	1,915,893	421,893	28.2%
Pass-Through (Contra Expense)	(271,052)	-	(490,000)	-	490,000	-100.0%
Capital Outlay	52,963	-	1,782	14,100	12,318	691.2%
Total Expenses	**$ 25,310,682**	**$ 22,443,556**	**$ 23,196,193**	**$ 29,875,786**	**$ 6,679,593**	**28.8%**
Operating Income (Loss)	**$ 1,637,146**	**$ 3,008,040**	**$ 2,832,483**	**$ (1,589,430)**	**$ (4,421,913)**	**-156.1%**
Nonoperating Revenues (Expenses)						
Interfund Transfers						
Debt Service - Interfund	$ (1,200,000)	$ (3,500,000)	$ (3,500,000)	$ (3,945,387)	$ (445,387)	12.7%
Sources						
Capital Improvement Reimbursements	-	5,288	-	-	-	-
Use of Restricted Funds	-	73,739	4,139,173	2,000,000	(2,139,173)	-51.7%
Grant Revenue	23,109	-	-	-	-	-
Uses						
Capital Improvement Budget	(297,459)	(315,450)	(604,986)	(2,211,310)	(1,606,324)	265.5%
Contribution to Motorpool CIP	(4,623)	(33,845)	(18,642)	(40,383)	(21,741)	116.6%
Legal Claim Contingency Accrual	-	(16,898,707)	-	-	-	-
Other Revenue (Expenses)	72,700	-	-	-	-	-
Total Nonoperating Revenues (Expenses)	**$ (1,406,273)**	**$ (20,668,975)**	**$ 15,545**	**$ (4,197,080)**	**$ (4,212,625)**	**-27099.5%**
Increase (Decrease) in Cash Flow	$ 230,873	$ (17,660,935)	$ 2,848,028	$ (5,786,510)	$ (8,634,538)	-303.2%
Beginning Reserve	$ 35,916,740	$ 36,147,613	$ 36,147,613	$ 18,486,677	$ (17,660,935)	-48.9%
Ending Reserve	**$ 36,147,613**	**$ 18,486,677**	**$ 38,995,641**	**$ 12,700,167**	**$ (26,295,473)**	**-67.4%**
Assigned Reserve	$ 11,472,000	$ 9,590,000	$ 9,590,000	$ 11,995,000	$ 2,405,000	25.1%
Unassigned Reserve	$ 24,675,613	$ 8,896,677	$ 29,405,641	$ 705,167	$ (28,700,473)	-97.6%
* *Unaudited*						
Days Cash on Hand	*521*	*301*	*614*	*155*	*(458)*	*-74.7%*

Budget Summary

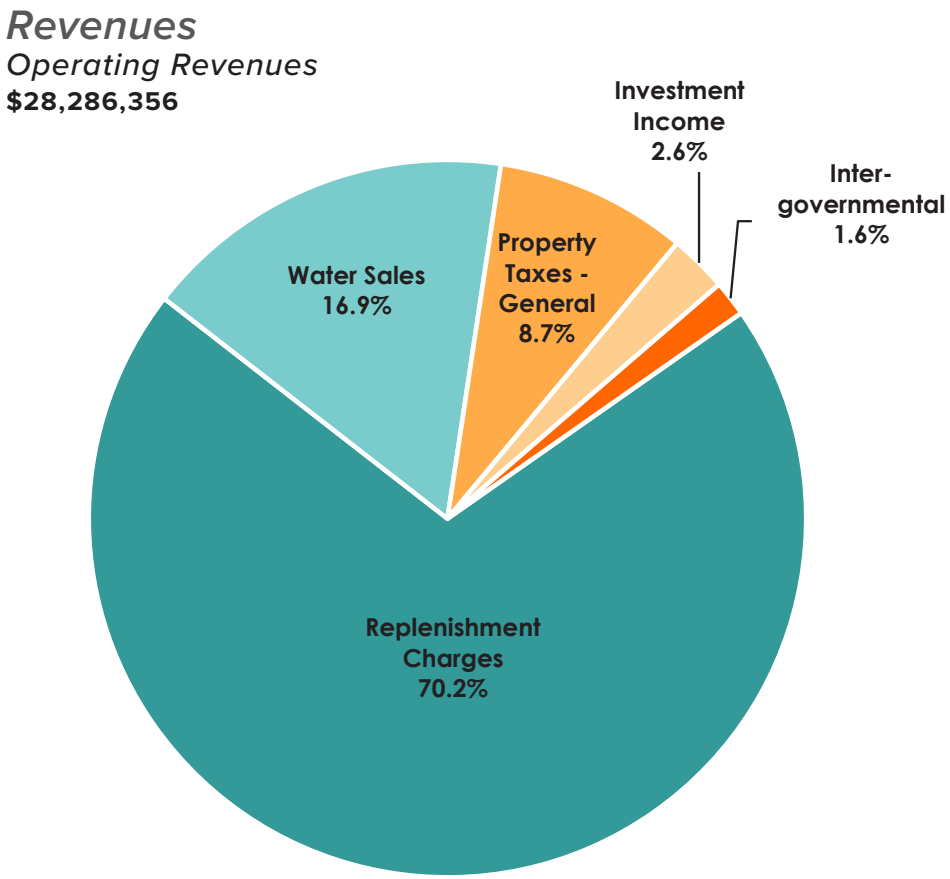
Total revenues are budgeted to increase by $2.3 million, or 8.7%, compared to fiscal year 2023, as Domestic consumption is expected to recover with the removal of Level 2 drought restrictions, which impacted CVWD Domestic wells within the West Whitewater AOB. Nonpotable water sales are expected to increase as additional customers are connected.

Total operating expenses are increasing by $6.7 million, or 28.8%. The largest increase is for water purchases, as 9,500 af of Rosedale Rio-Bravo water is expected to be available in fiscal year 2024. The commodity portion of the cost, $5.5 million, is budgeted in the West Whitewater Replenishment fund, and the transportation portion, $2.4 million, is budgeted in the State Water Project fund.

Nonoperating expenses include capital improvements totaling $2.2 million to continue work on the Palm Desert Replenishment Facility, $3.9 million in debt service for an internal loan to the Domestic fund for the mid-valley pipeline project, and a $40,000 transfer to the Motorpool fund for its share of equipment purchases.

Fiscal Year 2023 includes $16.9 million for a legal claim contingency accrual related to an ongoing rate case. While this amount has not been expensed from a budgetary basis, it will be included in the audited financial statements for fiscal year 2023 and is presented here to demonstrate the potential impact to ending reserves. The District is appealing the adverse trial court decision and believes the basis of its appeal is well-founded.

Ending reserves for fiscal year 2024 are budgeted at $12.7 million.



REPLENISHMENT CHARGES comprise 70.2% of the revenue. Replenishment charge revenues are budgeted based on the amount of water expected to be pumped from the aquifer (well production) multiplied by the RAC rate.

WATER SALES comprise 16.9% of total revenue. Water sales are revenues generated from the sale of reclaimed wastewater (recycled) and Colorado River water (canal water) via the Mid-Valley Pipeline or a blend of recycled water and canal water.

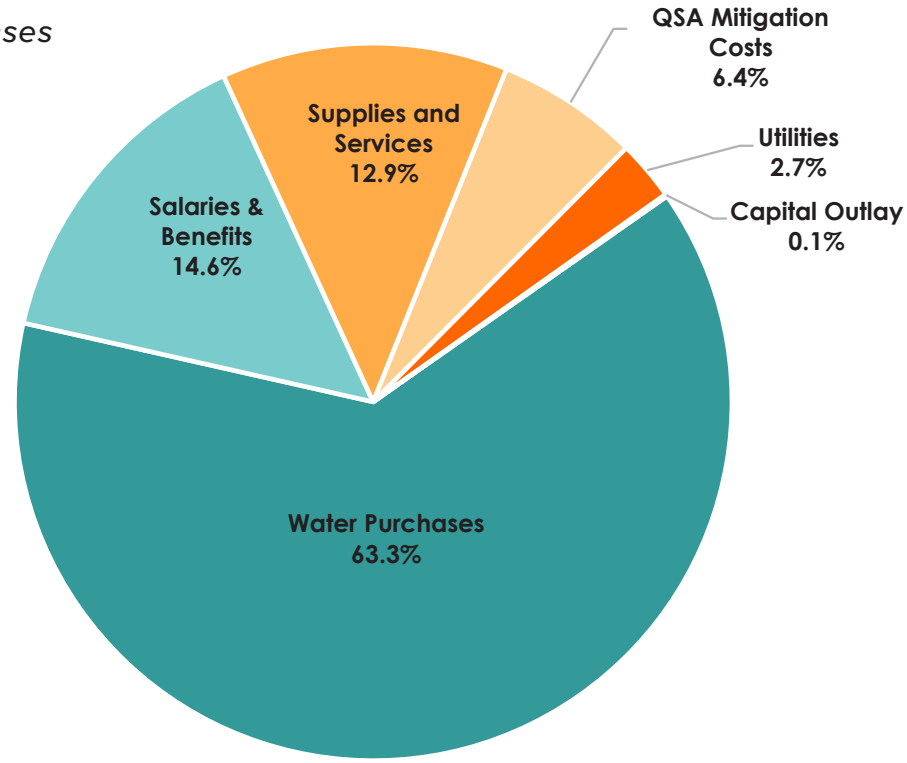
PROPERTY TAXES - GENERAL revenues make up 8.7% of revenues. These property taxes are part of the District's general discretionary tax revenue and may be allocated as determined by the Board of Directors.

INVESTMENT INCOME is budgeted at $738,000. Investment income is based on the cash balance in the fund and is generated at the return of investment rate of the combined investments of the District.

Expenses

Operating Expenses

$29,875,786



WATER PURCHASES are budgeted at $18.9 million, compared to $13 million budgeted in fiscal year 2023. Fiscal year 2024 includes 9,500 af of anticipated Rosedale Rio-Bravo water, with the West Replenishment fund paying the commodity portion of the purchase cost at $5.5 million.

SALARIES & BENEFITS total $4.4 million, an increase of $247,000 compared to fiscal year 2023. The increase reflects anticipated salary and benefit increases in fiscal year 2024.

SUPPLIES & SERVICES are budgeted at $3.9 million, a decrease of $422,000. The decrease is based on estimated reallocations between funds for legal and professional services.

QSA MITIGATION costs are budgeted at $1.9 million. The QSA Mitigation costs are based on the amount of QSA water used for West Whitewater AOB recharge, with an original final payoff date of December 31, 2025. The District will take advantage of an early payoff option in fiscal year 2024.

Five-Year Forecast

The District completed a comprehensive COSS for the West Replenishment fund in fiscal year 2021 and established maximum Proposition 218 rate increases for fiscal years 2022 through 2026. The Board has the ability to adopt rates up to the maximum rate each year as part of the budget process. Based on fiscal year 2023 performance and projected ending reserves, the Board elected to adopt no increase for fiscal year 2024.

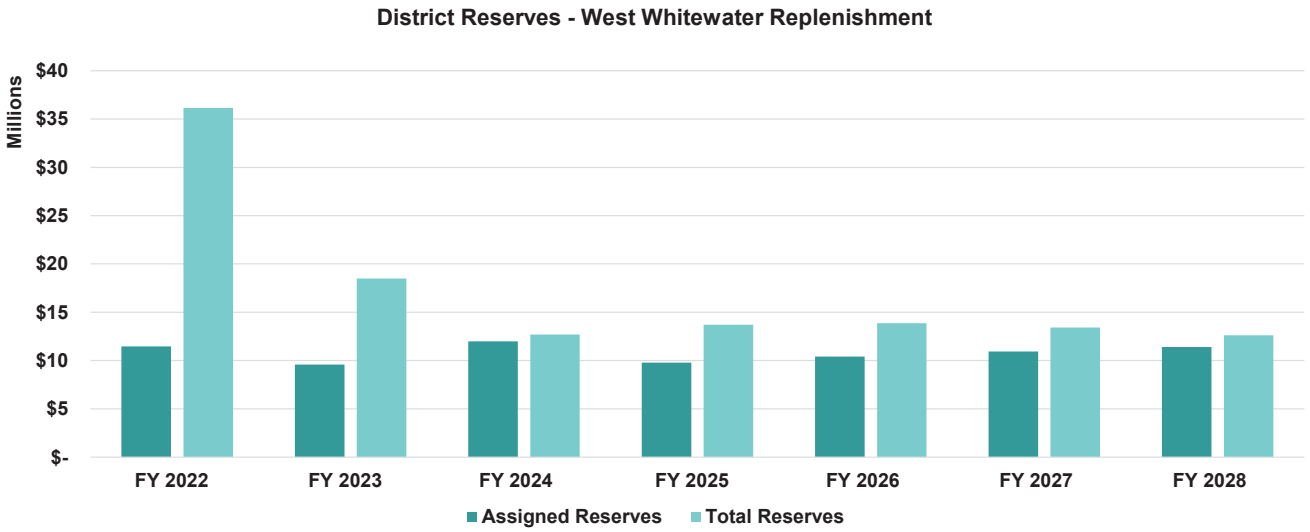
The five-year forecast includes rate assumptions based on anticipated expenditures and reflects the balance of ensuring positive operating income for the long term and drawing down unassigned reserves over time to the assigned reserve target. Projected rates are based on current assumptions and will be revised during the next budget process. The following table compares the projected forecast rates to the Proposition 218 maximum rates.

Forecast Rate Comparison **West Replenishment (Per AF)**	**FY 2024 Rate**	**FY 2025 Rate**	**FY 2026 Rate**	**FY 2027* Rate**	**FY 2028* Rate**
Proposition 218 Maximum Rates					
West Replenishment Rate	$ 238.14	$ 285.76	$ 342.91	$ 342.91	$ 342.91
Year-Over-Year % Change	*20.0%*	*20.0%*	*20.0%*	*0.0%*	*0.0%*
Forecast Projected Rates					
West Replenishment Rate	$ 165.37	$ 170.33	$ 175.44	$ 180.70	$ 186.13
Year-Over-Year % Change	*0.0%*	*3.0%*	*3.0%*	*3.0%*	*3.0%*

* Proposition 218 Rates are adopted through FY 2026.

Nonpotable water sales are expected to grow throughout the forecast period as additional customers are connected, and property tax revenue is expected to increase by approximately 2% to 3% per year. Operating expenses show a significant decrease beginning in fiscal year 2025, as Rosedale Rio Bravo water purchases will not be assumed unless conditions look favorable for delivery. Salaries and benefits increase at an average rate of 4.8% due to expected cost of living and merit increases. Debt service payments for the internal loan from the Domestic Water fund for the Mid-Valley Pipeline project will average $3.9 million per year throughout the forecast period.

West Whitewater Replenishment Five-Year Forecast	FY 2024 Budget	FY 2025	FY 2026	FY 2027	FY 2028
			Forecast		
Revenues					
Water Sales	$ 4,767,200	$ 5,065,897	$ 5,278,753	$ 5,499,536	$ 5,728,550
Replenishment Charges	19,844,400	20,269,401	20,789,762	21,323,103	21,869,734
Property Taxes - General	2,451,574	2,500,605	2,575,623	2,652,892	2,732,479
Charges for Services	5,000	5,150	5,305	5,464	5,628
Intergovernmental	480,172	480,172	480,172	480,172	480,172
Investment Income	738,010	381,005	520,717	526,786	509,933
Total Revenues	**$ 28,286,356**	**$ 28,702,230**	**$ 29,650,332**	**$ 30,487,953**	**$ 31,326,496**
Expenses					
Salaries & Benefits (Net of Capitalized Labor)	$ 4,370,029	$ 4,464,959	$ 4,673,550	$ 5,057,455	$ 5,259,766
Supplies and Services	3,861,693	4,003,299	4,128,438	4,238,121	4,350,832
Utilities	806,712	871,253	940,952	1,016,229	1,097,526
Water Purchases	18,907,359	14,122,120	15,505,996	16,408,926	17,382,484
QSA Mitigation Costs	1,915,893	-	-	-	-
Capital Outlay	14,100	14,805	15,546	16,323	17,139
Total Expenses	**$ 29,875,786**	**$ 23,476,436**	**$ 25,264,482**	**$ 26,737,054**	**$ 28,107,747**
Operating Income (Loss)	**$ (1,589,430)**	**$ 5,225,794**	**$ 4,385,850**	**$ 3,750,899**	**$ 3,218,749**
Nonoperating Revenues (Expenses)					
Interfund Transfers					
Debt Service - Interfund	$ (3,945,387)	$ (3,945,387)	$ (3,945,387)	$ (3,945,387)	$ (3,945,387)
Sources					
Use of Restricted Funds	2,000,000	5,500,000	5,500,000	-	-
Uses					
Capital Improvement Budget	(2,211,310)	(5,701,500)	(5,702,500)	(172,500)	(10,000)
Contribution to Motorpool CIP	(40,383)	(75,990)	(78,270)	(76,500)	(76,740)
Total Nonoperating Revenues (Expenses)	**$ (4,197,080)**	**$ (4,222,877)**	**$ (4,226,157)**	**$ (4,194,387)**	**$ (4,032,127)**
Increase (Decrease) in Cash Flow	$ (5,786,510)	$ 1,002,917	$ 159,693	$ (443,488)	$ (813,378)
Beginning Reserve	$ 18,486,677	$ 12,700,167	$ 13,703,084	$ 13,862,777	$ 13,419,289
Ending Reserve	**$ 12,700,167**	**$ 13,703,084**	**$ 13,862,777**	**$ 13,419,289**	**$ 12,605,911**
Assigned Reserve	$ 11,995,000	$ 9,791,000	$ 10,419,000	$ 10,933,000	$ 11,413,000
Unassigned Reserve	$ 705,167	$ 3,912,084	$ 3,443,777	$ 2,486,289	$ 1,192,911
Days Cash on Hand	*155*	*213*	*200*	*183*	*164*



Reserve Type West Whitewater Replenishmen	FY 2022 Actual	FY 2023 Actual*	FY 2024 Budget	FY 2025 Forecast	FY 2026 Forecast	FY 2027 Forecast	FY 2028 Forecast
Assigned Reserves	$ 11,472,000	$ 9,590,000	$ 11,995,000	$ 9,791,000	$ 10,419,000	$ 10,933,000	$ 11,413,000
Unassigned Reserves	24,675,613	8,896,677	705,167	3,912,084	3,443,777	2,486,289	1,192,911
Total Reserves	$ 36,147,613	$ 18,486,677	$ 12,700,167	$ 13,703,084	$ 13,862,777	$ 13,419,289	$ 12,605,911

Assigned Reserves by Type West Whitewater Replenishmen	FY 2022 Actual	FY 2023 Actual*	FY 2024 Budget	FY 2025 Forecast	FY 2026 Forecast	FY 2027 Forecast	FY 2028 Forecast
Operating	$ 7,310,000	$ 5,762,000	$ 7,465,000	$ 5,865,000	$ 6,312,000	$ 6,680,000	$ 7,023,000
Rate Stabilization	2,924,000	2,305,000	2,986,000	2,346,000	2,525,000	2,672,000	2,809,000
Capital	600,000	885,000	885,000	885,000	885,000	885,000	885,000
Emergency	619,000	619,000	619,000	619,000	619,000	619,000	619,000
Vehicle	19,000	19,000	40,000	76,000	78,000	77,000	77,000
Total Assigned Reserves	$ 11,472,000	$ 9,590,000	$ 11,995,000	$ 9,791,000	$ 10,419,000	$ 10,933,000	$ 11,413,000

* *Unaudited*

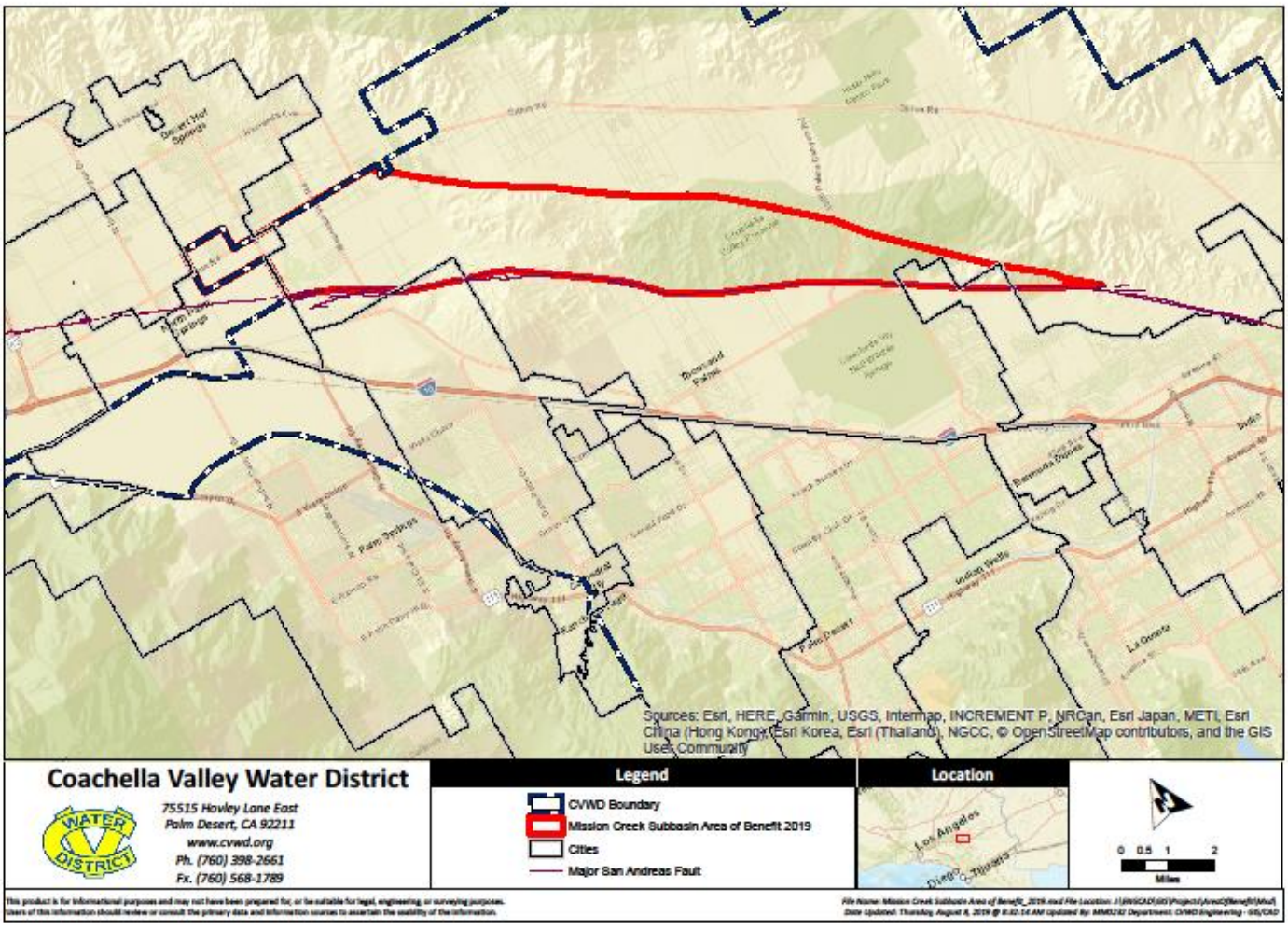
MISSION CREEK REPLENISHMENT FUND

Background

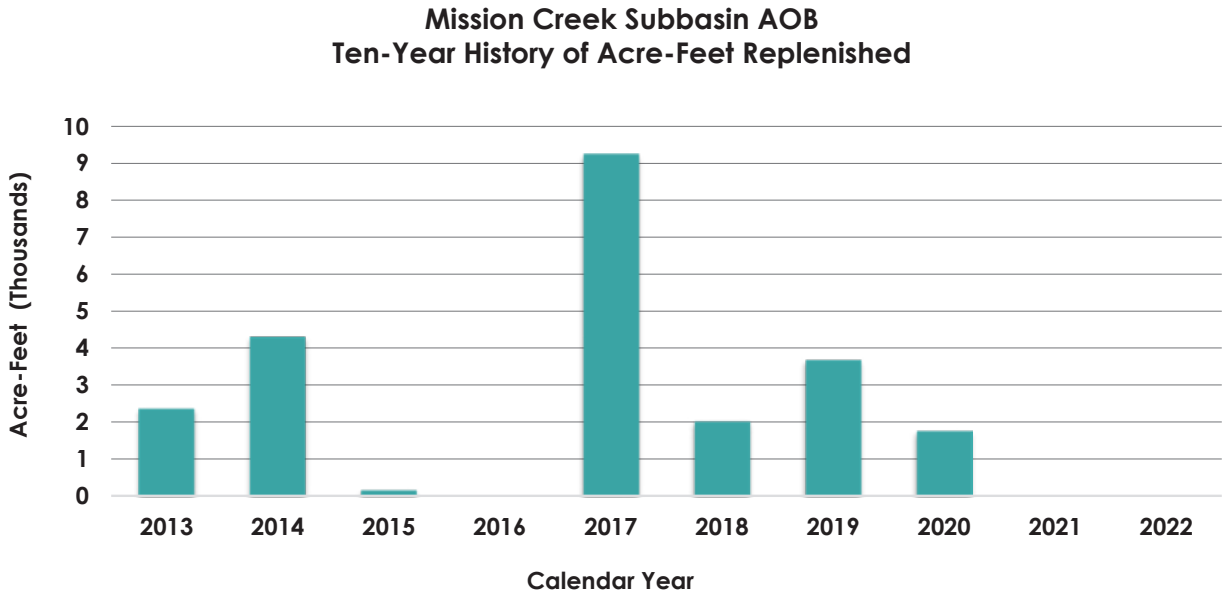
The Mission Creek Subbasin Area of Benefit (AOB) is bound on the south by the Banning fault and on the north and east by the Mission Creek fault, as depicted in the map below. This subbasin relies on the same imported SWP exchange water source as the West Whitewater River Subbasin AOB. CVWD and DWA began constructing facilities to replenish the Mission Creek subbasin in 2001 and completed them in 2002. In 2003, recognizing that management of the Mission Creek Subbasin extended across agency boundaries, CVWD and DWA entered into the Mission Creek Groundwater Replenishment Agreement. This agreement recognizes the need to operate the subbasin as a complete unit rather than as individual segments delineated by agency boundaries.

The following map shows the Mission Creek Area of Benefit and CVWD boundaries.

Mission Creek Subbasin Area of Benefit

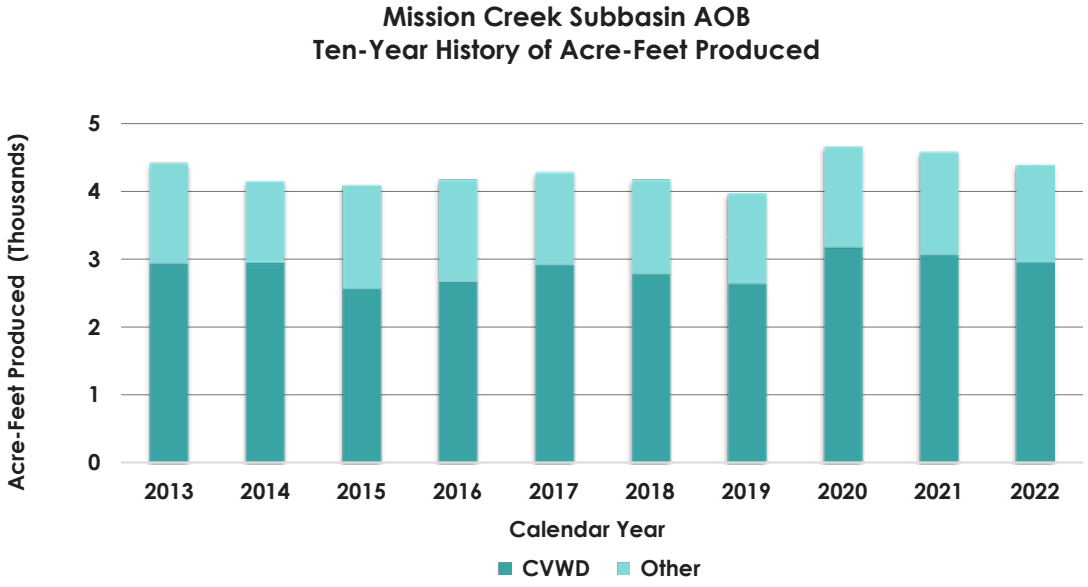


To date, CVWD and DWA have replenished 167,044 af in the Mission Creek Subbasin AOB. The chart on the following page shows the annual volume replenished at the Mission Creek Replenishment facility over the last ten calendar years. The amount of water replenished varies each year due in part to the 1984 Advance Delivery Agreement between CVWD, DWA, and MWD, whereby MWD is allowed to predeliver water in the Mission Creek Subbasin. There were no water deliveries to the Mission Creek Replenishment facility in calendar years 2021 and 2022.

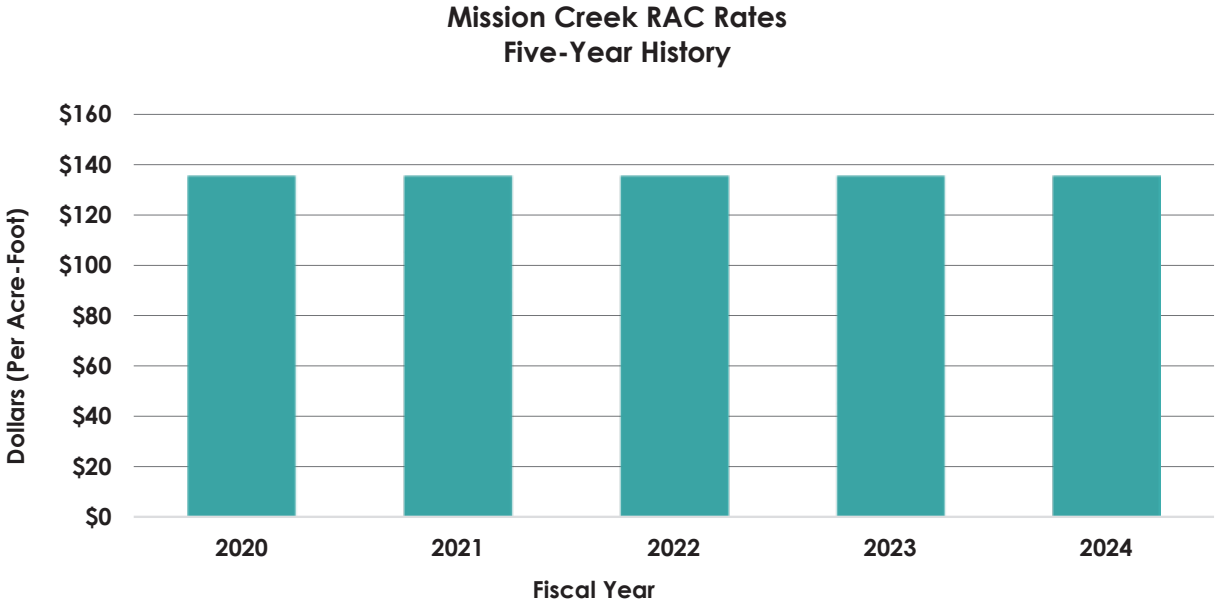


In calendar year 2022, there were 4 producers subject to the RAC in CVWD's Mission Creek Subbasin AOB that pumped 4,390 af of water. Of the total production, 2,960 af were produced by CVWD wells for use as domestic water.

Annual production for the Mission Creek Subbasin AOB is depicted in the chart below.



The chart below shows the five-year history of replenishment rates for the Mission Creek Replenishment Fund. The Cost of Service Study completed in fiscal year 2021 recommended no new rates for fiscal years 2022 through 2026. The rate has remained at $135.52 per af since fiscal year 2018.



Mission Creek Replenishment	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Revenues						
Replenishment Charges	$ 601,875	$ 559,172	$ 569,402	$ 594,933	$ 25,531	4.5%
Charges for Services	1,268	1,227	-	-	-	-
Investment Income	44,311	49,142	32,438	86,254	53,816	165.9%
Other Revenue	76,317	50,536	-	-	-	-
Total Revenues	**$ 723,772**	**$ 660,077**	**$ 601,840**	**$ 681,187**	**$ 79,347**	**13.2%**
Expenses						
Salaries & Benefits (Net of Capitalized Labor)	$ 268,885	$ 376,759	$ 341,266	$ 446,590	$ 105,324	30.9%
Supplies and Services	306,205	174,001	309,256	264,925	(44,331)	-14.3%
Utilities	1,368	1,468	1,243	1,169	(74)	-6.0%
Water Purchases	17,485	-	-	-	-	-
Pass-Through (Contra Expense)	-	-	(80,000)	-	80,000	-100.0%
Capital Outlay	1,425	-	1,000	1,950	950	95.0%
Total Expenses	**$ 595,366**	**$ 552,229**	**$ 572,765**	**$ 714,634**	**$ 141,869**	**24.8%**
Operating Income (Loss)	**$ 128,406**	**$ 107,849**	**$ 29,075**	**$ (33,447)**	**$ (62,522)**	**-215.0%**
Nonoperating Revenues (Expenses)						
Sources						
Grant Revenue	$ 31,859	$ -	$ -	$ -	$ -	-
Uses						
Legal Claim Contingency Accrual	-	(612,232)	-	-	-	-
Other Revenue (Expenses)	4,444	-	-	-	-	-
Total Nonoperating Revenues (Expenses)	**$ 36,303**	**$ (612,232)**	**$ -**	**$ -**	**$ -**	**-**
Increase (Decrease) in Cash Flow	$ 164,709	$ (504,384)	$ 29,075	$ (33,447)	$ (62,522)	-215.0%
Beginning Reserve	$ 4,097,699	$ 4,262,408	$ 4,262,408	$ 3,758,024	$ (504,384)	-11.8%
Ending Reserve	**$ 4,262,408**	**$ 3,758,024**	**$ 4,291,483**	**$ 3,724,577**	**$ (566,906)**	**-13.2%**
Assigned Reserve	$ 184,000	$ 208,000	$ 208,000	$ 246,000	$ 38,000	18.3%
Unassigned Reserve	$ 4,078,408	$ 3,550,024	$ 4,083,483	$ 3,478,577	$ (604,906)	-14.8%
** Unaudited*						
Days Cash on Hand	*2,613*	*2,484*	*2,735*	*1,902*	*(832)*	*-30.4%*

Budget Summary

Mission Creek revenues are budgeted to decrease by $79,000 compared to fiscal year 2023. Replenishment revenue is expected to increase by 4.5% as consumption stabilizes with the lifting of Level 2 drought restrictions that impacted Domestic water users supplied by CVWD wells within the Mission Creek AOB. Operating expenses are budgeted to increase by $142,000 compared to fiscal year 2023 based on salaries & benefit expenses allocated to this fund.

Fiscal Year 2023 includes $612,000 for a legal claim contingency accrual related to an ongoing rate case. While this amount has not been expensed from a budgetary basis, it will be included in the audited financial statements for fiscal year 2023 and is presented here to demonstrate the potential impact to ending reserves. The District is appealing the adverse trial court decision and believes the basis of its appeal is well-founded.

Ending reserves for fiscal year 2024 are budgeted at $3.7 million.

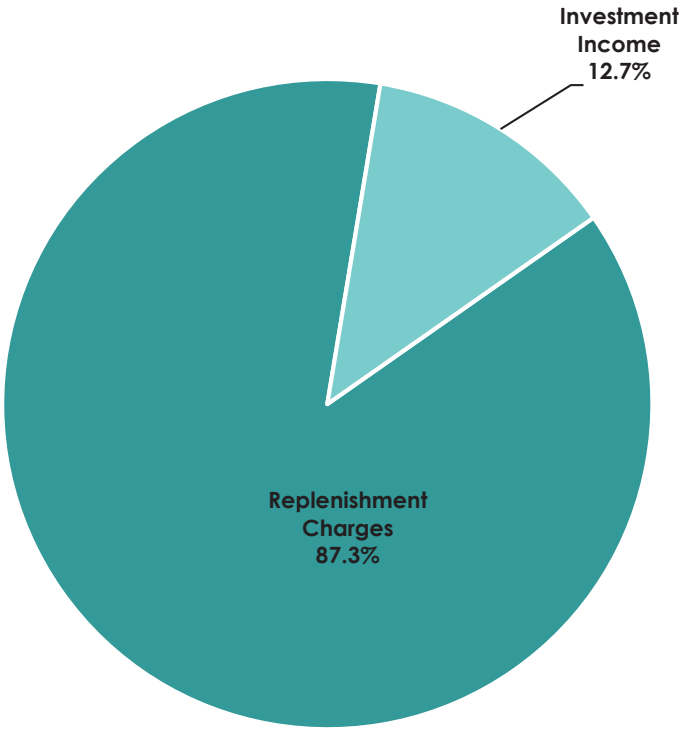
Revenues

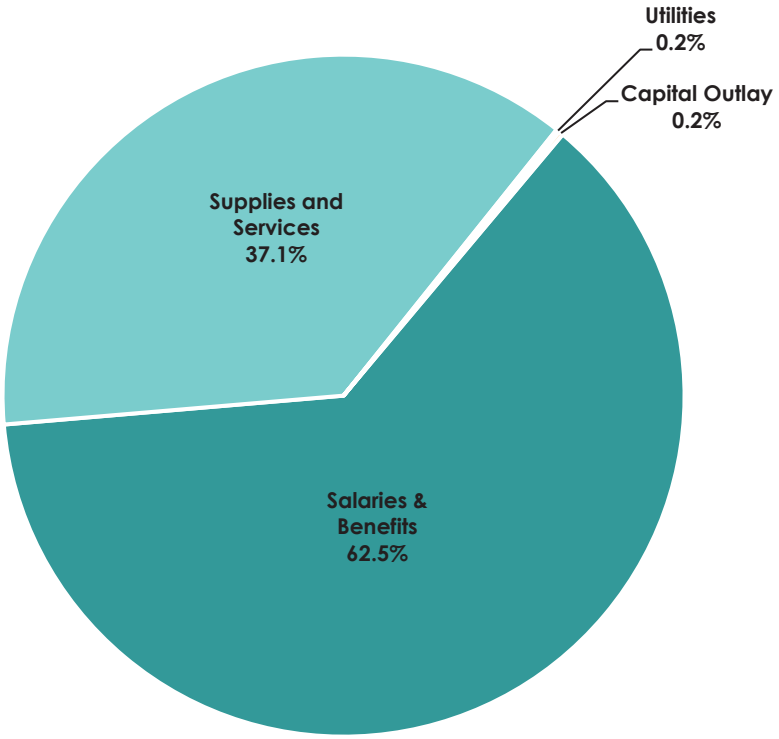
Operating Revenue

$681,187

REPLENISHMENT CHARGES account for 87.3% of total fund revenues and reflect an increase of $26,000 compared to fiscal year 2023 revenue. Replenishment charge revenues are based on the amount of water expected to be pumped from the aquifer (well production) multiplied by the RAC rate.

INVESTMENT INCOME is budgeted at $86,000. Investment income is based on the cash balance in the fund and is generated by the combined investments of the District.





Expenses

Operating Expenses

$714,634

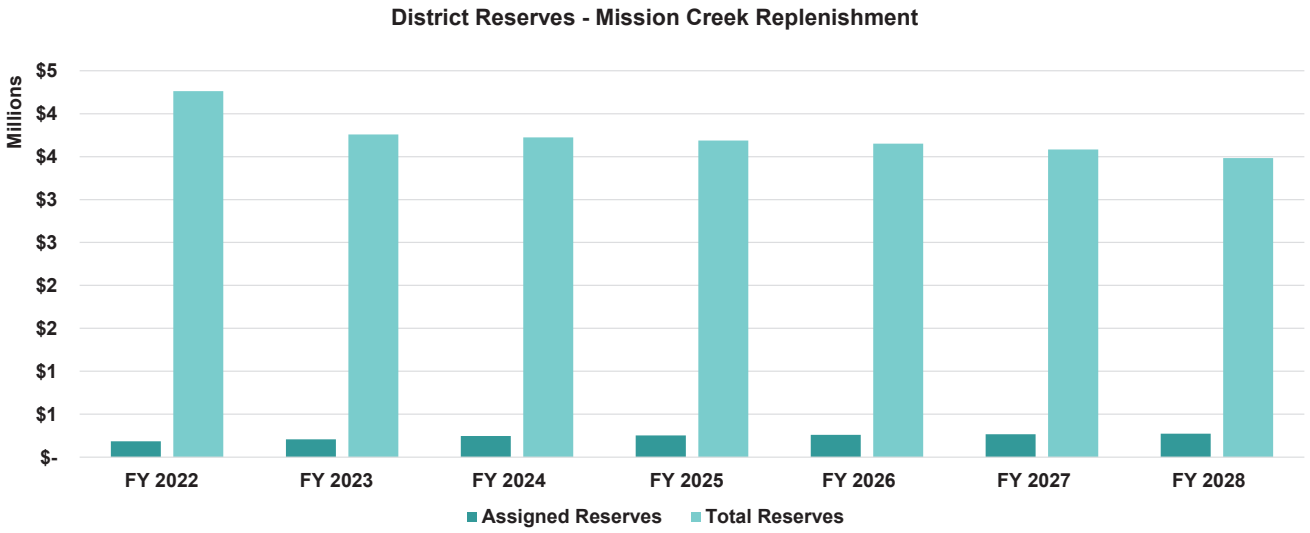
SALARIES & BENEFITS total $447,000 for fiscal year 2024, and reflect an increase of $105,000 compared to fiscal year 2023 due to expected increases in wages and benefits.

SUPPLIES & SERVICES are budgeted at $265,000, a decrease of $44,000 from fiscal year 2023. Changes in allocated costs are the primary causes of the variance.

Five-Year Forecast

The District completed a comprehensive COSS for the Mission Creek Replenishment fund in fiscal year 2021. The study reviewed existing rate structures, evaluated the adequacy of projected revenues under the existing rates, and provided recommendations for revenue adjustments. Rate setting procedures in California require that agencies responsible for imposing property related charges demonstrate a nexus between the cost of providing the service and the services or benefits received. The five-year forecast reflects no annual rate increases. Reserves are fully funded through fiscal year 2028 per the District's Reserve Policy.

Mission Creek Replenishment Five-Year Forecast	FY 2024 Budget	FY 2025	FY 2026	FY 2027	FY 2028
		Forecast			
Revenues					
Replenishment Charges	$ 594,933	$ 594,933	$ 594,933	$ 594,933	$ 594,933
Investment Income	86,254	111,737	140,139	138,728	136,137
Total Revenues	**$ 681,187**	**$ 706,670**	**$ 735,072**	**$ 733,661**	**$ 731,070**
Expenses					
Salaries & Benefits (Net of Capitalized Labor)	$ 446,590	$ 466,687	$ 487,687	$ 509,637	$ 529,510
Supplies and Services	264,925	273,394	280,991	288,489	296,206
Utilities	1,169	1,261	1,361	1,469	1,584
Capital Outlay	1,950	2,048	2,150	2,258	2,371
Total Expenses	**$ 714,634**	**$ 743,390**	**$ 772,189**	**$ 801,853**	**$ 829,671**
Operating Income (Loss)	**$ (33,447)**	**$ (36,720)**	**$ (37,117)**	**$ (68,192)**	**$ (98,601)**
Total Nonoperating Revenues (Expenses)	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
Increase (Decrease) in Cash Flow	$ (33,447)	$ (36,720)	$ (37,117)	$ (68,192)	$ (98,601)
Beginning Reserve	$ 3,758,024	$ 3,724,577	$ 3,687,857	$ 3,650,740	$ 3,582,548
Ending Reserve	**$ 3,724,577**	**$ 3,687,857**	**$ 3,650,740**	**$ 3,582,548**	**$ 3,483,947**
Assigned Reserve	$ 246,000	$ 253,000	$ 260,000	$ 267,000	$ 274,000
Unassigned Reserve	$ 3,478,577	$ 3,434,857	$ 3,390,740	$ 3,315,548	$ 3,209,947
Days Cash on Hand	*1,902*	*1,811*	*1,726*	*1,631*	*1,533*



Reserve Type Mission Creek Replenishment	FY 2022 Actual	FY 2023 Actual*	FY 2024 Budget	FY 2025 Forecast	FY 2026 Forecast	FY 2027 Forecast	FY 2028 Forecast
Assigned Reserves	$ 184,000	$ 208,000	$ 246,000	$ 253,000	$ 260,000	$ 267,000	$ 274,000
Unassigned Reserves	4,078,408	3,550,024	3,478,577	3,434,857	3,390,740	3,315,548	3,209,947
Total Reserves	$ 4,262,408	$ 3,758,024	$ 3,724,577	$ 3,687,857	$ 3,650,740	$ 3,582,548	$ 3,483,947

Assigned Reserves by Type Mission Creek Replenishment	FY 2022 Actual	FY 2023 Actual*	FY 2024 Budget	FY 2025 Forecast	FY 2026 Forecast	FY 2027 Forecast	FY 2028 Forecast
Operating	$ 117,000	$ 143,000	$ 179,000	$ 186,000	$ 193,000	$ 200,000	$ 207,000
Rate Stabilization	59,000	57,000	59,000	59,000	59,000	59,000	59,000
Emergency	8,000	8,000	8,000	8,000	8,000	8,000	8,000
Total Assigned Reserves	$ 184,000	$ 208,000	$ 246,000	$ 253,000	$ 260,000	$ 267,000	$ 274,000

* *Unaudited*

EAST WHITEWATER REPLENISHMENT FUND

Background

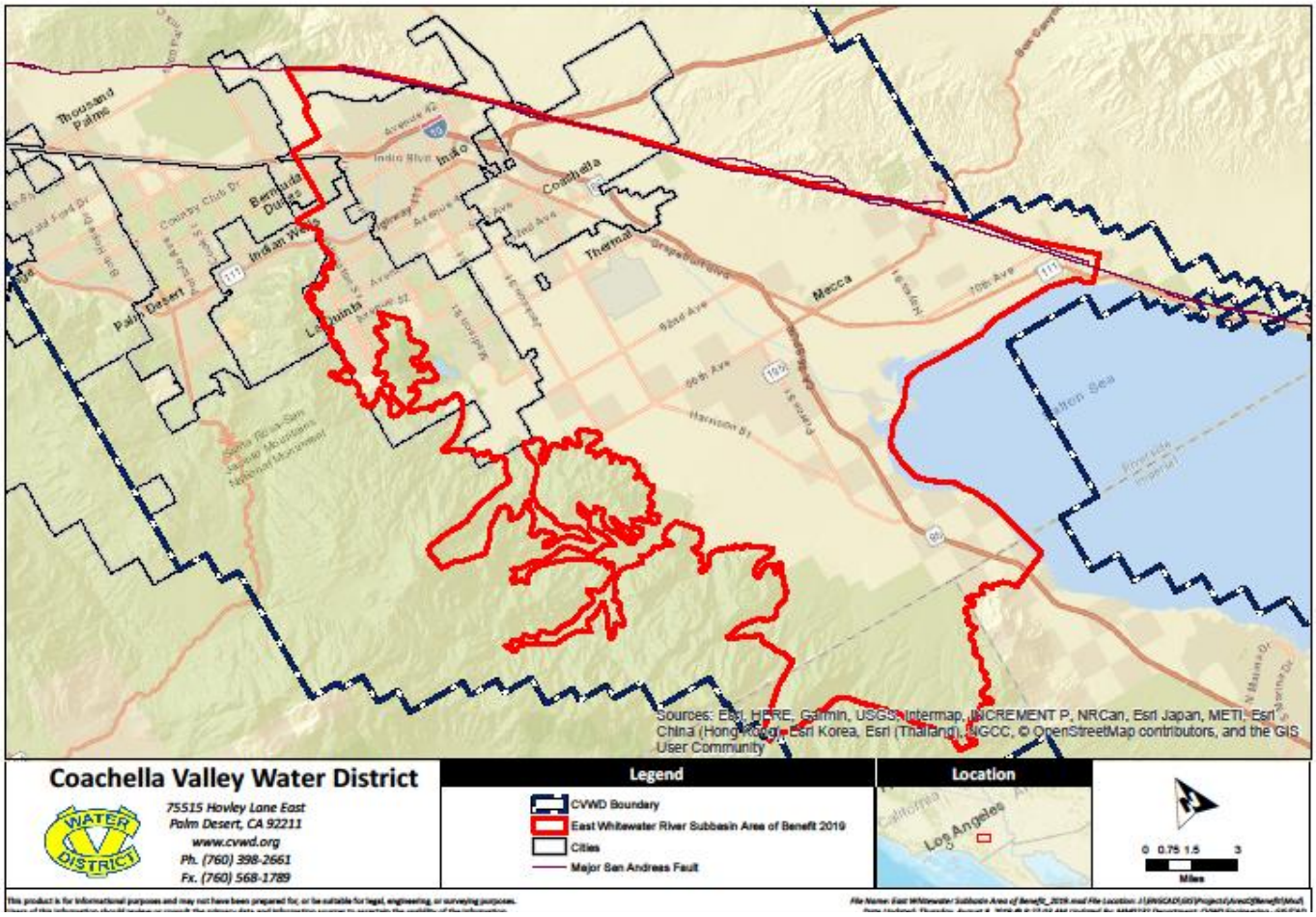
The eastern boundary of the Whitewater River Subbasin is formed primarily by the watershed of the Mecca Hills and by the northwest shoreline of the Salton Sea, running between the Santa Rosa Mountains and Mortmar. The southern boundary roughly coincides with the Riverside/Imperial County line. The western boundary runs from Point Happy in La Quinta to Indio Hills and the San Andreas Fault.

Groundwater replenishment in the east valley began in 1997, using pilot groundwater replenishment facilities at Dike 4. The Thomas E. Levy Groundwater Replenishment Facility (TEL) became operational in June 2009. A loan from the Domestic Water fund was used to pay for the cost of the new facility and was paid in full in fiscal year 2023.

Since 2009, groundwater levels in the direct vicinity of the TEL facility increased between 45 and 90 feet, primarily due to direct replenishment. According to a 2014 study released by the U.S. Geological Survey (USGS), average subsidence rates decreased at five locations in the city of La Quinta, near the TEL facility, and in one case, USGS measured ground uplift. These measurements were taken in 2010, after only one full year of operation of the TEL facility.

The following map shows the East Whitewater Area of Benefit, along with CVWD Boundaries.

East Whitewater River Subbasin Area of Benefit

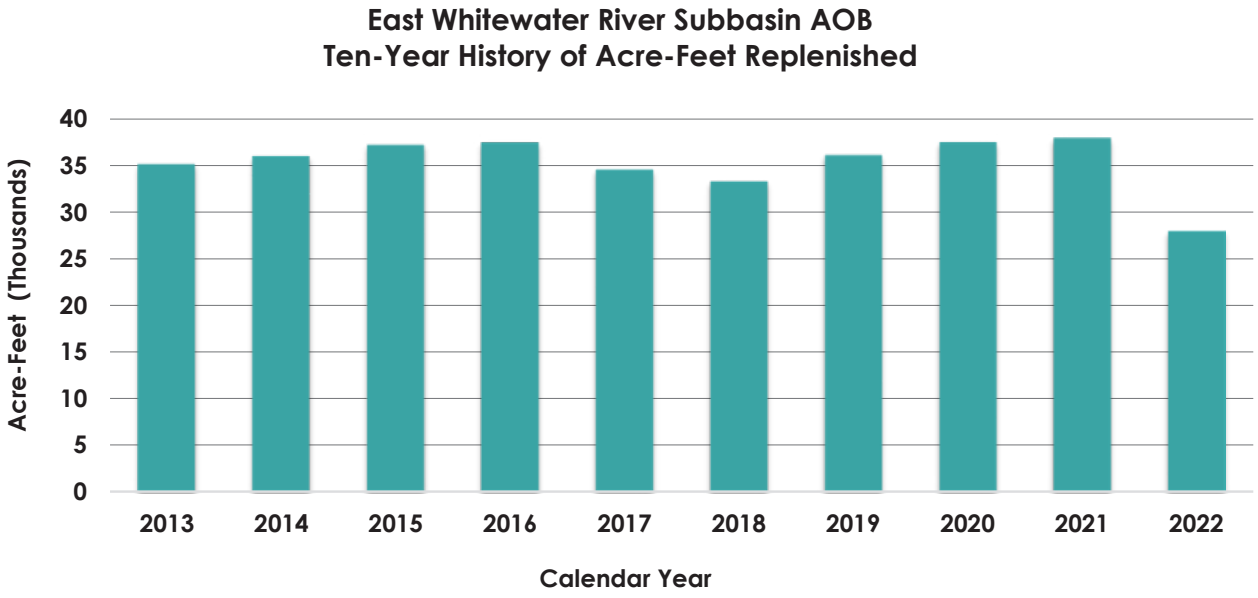


Groundwater Replenishment

CVWD has replenished 516,389 af of water in this AOB through calendar year 2022. The water is supplied from the Colorado River via the Coachella Branch of the All American Canal.

To address the worsening drought conditions on the Colorado River, in 2022, USBR asked all Colorado River water users to achieve an annual reduction of 2 to 4 million af during calendar years 2023, 2024, and 2025. Balancing the need for direct groundwater replenishment for CVWD's long-term groundwater sustainability against the benefits of contributing water to the Colorado River through a short-term suspension of groundwater replenishment delivery, the CVWD Board of Directors approved curtailing replenishment at the TEL Facility in November 2022 for the remainder of calendar year 2022. This compensated action allowed 9,083 af to be immediately retained in the Colorado River. In addition, the Board approved an additional agreement with USBR under the Lower Colorado Conservation Program to conserve up to 35,000 af per year for calendar years 2023 through 2025, for up to 105,000 af.

The chart below depicts the amount of water replenished in this subbasin for the last ten calendar years.



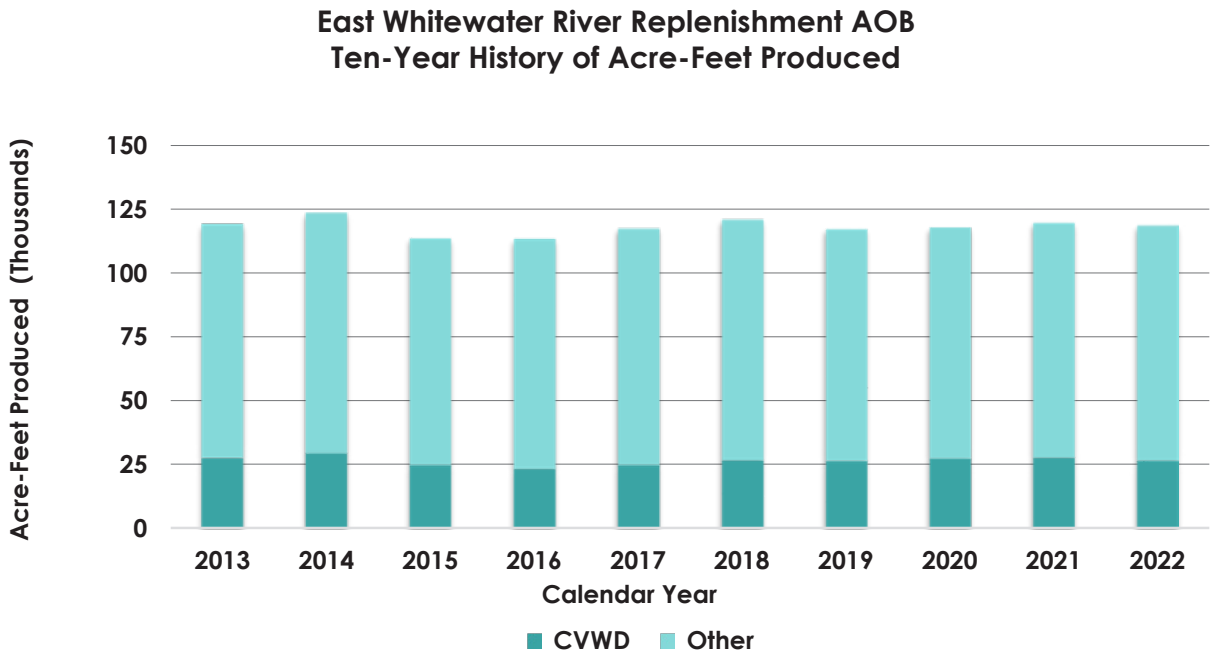
Groundwater Production

Of the 113 producers subject to the RAC in CVWD's East Whitewater River Subbasin AOB in calendar year 2022, 27 were "self-reporters." Self-reporters are producers that read their own water meter and report their own groundwater production to the District rather than entering into an agreement with the District to allow District staff to read their meter and report their production. The District requires these producers to accurately and timely report the volume of water they pump from all their wells located within the AOB on a monthly basis. The District performs audits on self-reporters and aggressively identifies producers that do not accurately report the amount of water produced. If, after investigation, it is determined that groundwater production is under-reported, the District invoices the producers for the past under-reported production.

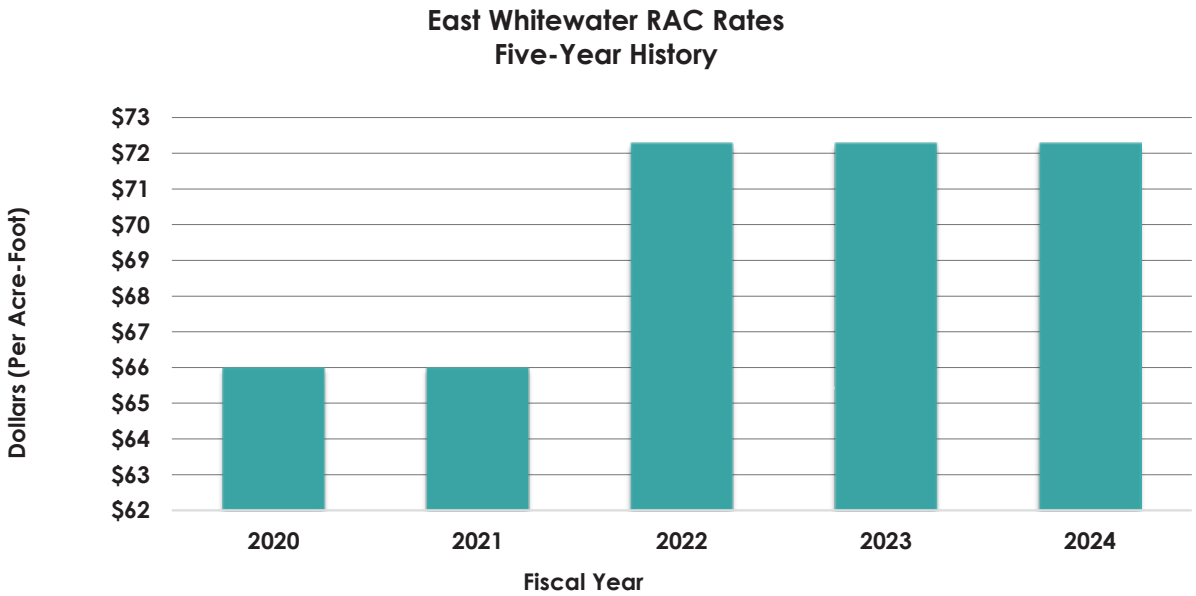
Production is charged to the period it was produced, while the revenues are reported in fiscal year invoiced. As a result, production numbers reported for prior years will be updated as necessary.

Producers subject to the RAC in CVWD's East Whitewater River Subbasin AOB pumped 118,609 af of water from the aquifer in calendar year 2022, a decrease of 1,091 af from 2021. CVWD's wells produced 26,556 af for use as domestic water compared to 27,662 af in 2021, a decrease of 1,106 af.

The chart below shows the amount of water produced for the last ten calendar years.



The chart below shows the five-year history of replenishment rates for the East Whitewater Replenishment Fund. As part of the 2021 COSS, the Board approved a 9.5% rate increase for fiscal year 2022. For fiscal years 2023 and 2024, the Board elected to hold the rate at $72.27 per af with no increase.



East Whitewater Replenishment	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Revenues						
Water Sales	$ 396,017	$ 392,392	$ 403,808	$ 422,163	$ 18,355	4.5%
Replenishment Charges	8,796,744	8,257,364	7,531,979	7,805,160	273,181	3.6%
Property Taxes - General	7,580,117	9,557,770	7,654,383	5,000,000	(2,654,383)	-34.7%
Charges for Services	91,389	33,280	-	-	-	-
Intergovernmental	-	24,700	-	-	-	-
Investment Income	323,267	120,324	36,508	252,163	215,655	590.7%
Other Revenue	52,420	90,822	10,000	25,000	15,000	150.0%
Total Revenues	**$ 17,239,955**	**$ 18,476,653**	**$ 15,636,678**	**$ 13,504,486**	**$ (2,132,192)**	**-13.6%**
Expenses						
Salaries & Benefits (Net of Capitalized Labor)	$ 1,763,588	$ 1,868,489	$ 1,767,658	$ 2,175,582	$ 407,924	23.1%
Supplies and Services	1,334,029	1,513,398	1,365,540	1,444,552	79,012	5.8%
Utilities	1,505,293	545,710	1,547,369	94,297	(1,453,072)	-93.9%
Water Purchases	4,120,981	1,062,490	4,231,285	442,906	(3,788,379)	-89.5%
QSA Mitigation Costs	1,409,767	1,212,000	1,212,000	1,369,312	157,312	13.0%
Pass-Through (Contra Expense)	-	-	(135,000)	-	135,000	-100.0%
Capital Outlay	5,468	-	1,157	11,250	10,093	872.3%
Total Expenses	**$ 10,139,126**	**$ 6,202,087**	**$ 9,990,009**	**$ 5,537,899**	**$ (4,452,110)**	**-44.6%**
Operating Income (Loss)	**$ 7,100,829**	**$ 12,274,566**	**$ 5,646,669**	**$ 7,966,587**	**$ 2,319,918**	**41.1%**
Nonoperating Revenues (Expenses)						
Interfund Transfers						
Debt Service - Interfund	$ (2,216,626)	$ (2,082,345)	$ (2,045,535)	$ -	$ 2,045,535	-100.0%
Sources						
Loan Proceeds	35,816,434	-	4,000,000	100,000	(3,900,000)	-97.5%
Grant Revenue	23,109	-	-	-	-	-
Uses						
Debt Service - External	(1,367,376)	(1,327,240)	(1,143,646)	(1,890,085)	(746,439)	65.3%
Capital Improvement Budget	(34,694,554)	(4,363,367)	(4,501,641)	(2,147,310)	2,354,331	-52.3%
Contribution to Motorpool CIP	(137)	-	(16,895)	(39,879)	(22,984)	136.0%
Legal Claim Contingency Accrual	-	(10,285,148)	-	-	-	-
Other Revenue (Expenses)	19,641	-	-	-	-	-
Total Nonoperating Revenues (Expenses)	**$ (2,419,510)**	**$ (18,058,100)**	**$ (3,707,717)**	**$ (3,977,274)**	**$ (269,557)**	**7.3%**
Increase (Decrease) in Cash Flow	$ 4,681,319	$ (5,783,535)	$ 1,938,952	$ 3,989,313	$ 2,050,361	105.7%
Beginning Reserve	$ 1,102,215	$ 5,783,534	$ 5,783,534	$ -	$ (5,783,534)	-100.0%
Ending Reserve	**$ 5,783,534**	**$ -**	**$ 7,722,486**	**$ 3,989,313**	**$ (3,733,173)**	**-48.3%**
Assigned Reserve	$ 3,865,000	$ 5,383,000	$ 5,383,000	$ 4,622,000	$ (761,000)	-14.1%
Unassigned Reserve	$ 1,918,534	$ -	$ 2,339,486	$ (632,687)	$ (2,972,173)	-127.0%
** Unaudited*						
Days Cash on Hand	*208*	*-*	*282*	*263*	*(19)*	*-6.8%*

Budget Summary

East Whitewater's total revenues reflect a decrease of $2.1 million, or 13.6%, over fiscal year 2023 budget, primarily due to a reallocation of discretionary property tax from the East Replenishment fund to the Sanitation fund beginning in fiscal year 2024.

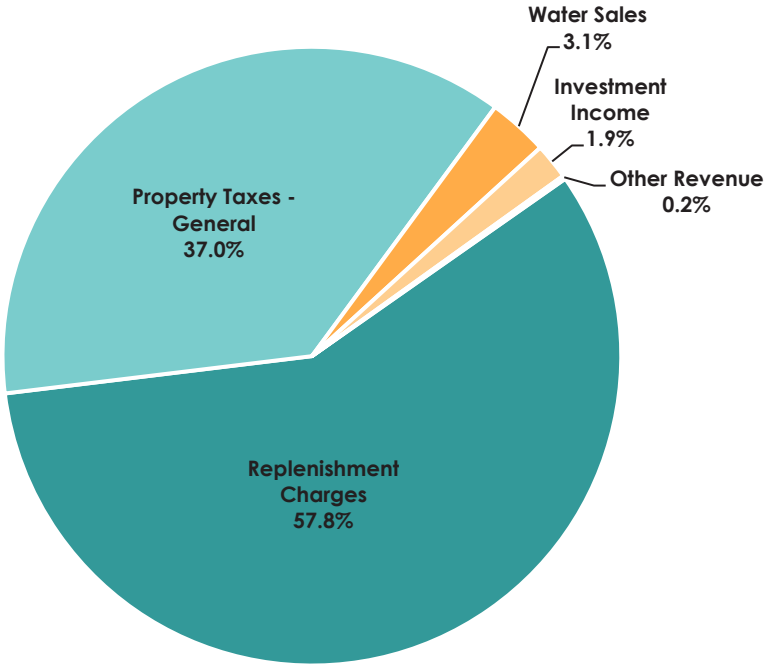
Total operating expenses are budgeted to decrease by $4.5 million, or 44.6%, compared to fiscal year 2023 budget due to savings in utility and Canal water purchase costs as a result of curtailment efforts at the Thomas E. Levy facility. These temporary, compensated efforts will keep up to 105,000 af of water in Lake Mead through calendar year 2025 as part of the Lower Colorado Conservation Program through USBR.

Fiscal Year 2023 includes $10.3 million for a legal claim contingency accrual related to an ongoing rate case. While this amount has not been expensed from a budgetary basis, it will be included in the audited financial statements for fiscal year 2023 at a full amount of $15.1 million and is presented here to demonstrate the potential impact to ending reserves. The additional contingency amount is presented in fiscal year 2025 of the forecast to stabilize reserves. The District is appealing the adverse trial court decision and believes the basis of its appeal is well-founded.

Revenues

Operating Revenue

$13,504,486



REPLENISHMENT CHARGES comprise 57.8% of total revenue. The replenishment charge budget is based on the amount of water expected to be pumped from the aquifer (well production) multiplied by the RAC rate. The RAC rate for fiscal year 2024 reflects no rate increase.

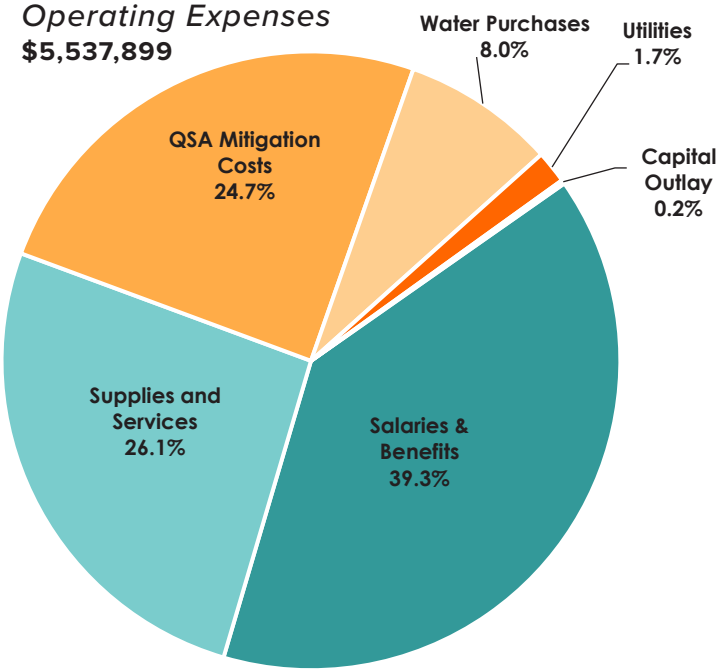
PROPERTY TAX – GENERAL revenues total 37.0% of total revenue. Property taxes for this fund are part of the District's general discretionary tax revenue.

SALARIES & BENEFITS total $2.2 million, an increase of $408,000 compared to fiscal year 2023 budget. This is related to the reduced size of the East Replenishment CIP budget for fiscal year 2024. District salaries are capitalized based on anticipated CIP project costs, and less labor will be capitalized in fiscal year 2024 as the Oasis project is completed.

Expenses

Operating Expenses

$5,537,899



SUPPLIES & SERVICES are budgeted at $1.4 million, an increase of $79,000 over fiscal year 2023, primarily due to allocation changes between funds for legal and professional services.

WATER PURCHASES are budgeted at $443,000, which is a $3.8 million decrease from the prior budget. The East Replenishment fund purchases water from the Canal fund for replenishment purposes, and 35,000 af will not be used in fiscal year 2024 due to curtailment efforts at the Thomas E. Levy facility as part of an agreement with USBR to keep water in Lake Mead.

UTILITIES are budgeted at $94,000 million, a decrease of $1.5 million from fiscal year 2023 due to energy savings (pumping costs) related to the curtailment efforts.

QSA MITIGATION costs are budgeted at $1.4 million for fiscal year 2024. The QSA Mitigation costs are based on the amount of QSA water used for East Whitewater AOB recharge, with an original final payoff date of December 31, 2025. The District will take advantage of an early payoff option in fiscal year 2024.

Five-Year Forecast

The District completed a comprehensive COSS for the East Replenishment Fund in fiscal year 2021 and established maximum Proposition 218 rate increases for fiscal years 2022 through 2026. The Board has the ability to adopt rates up to the maximum rate each year as part of the budget process. Based on fiscal year 2023 performance, the Board elected to hold the rate at fiscal year 2023 level with no increase for fiscal year 2024.

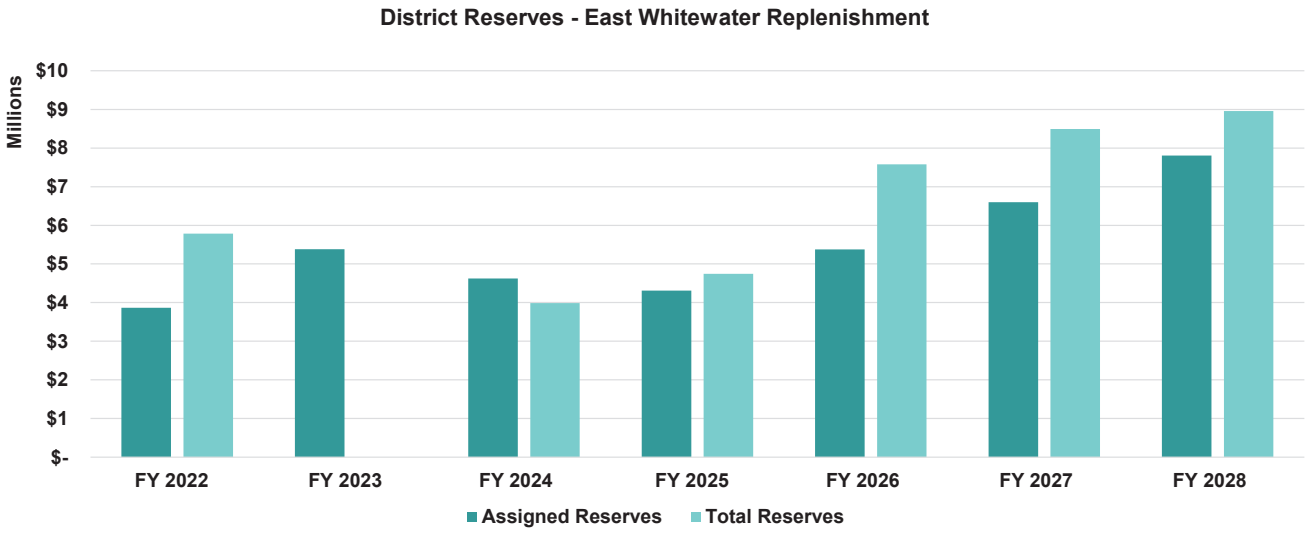
The five-year forecast includes rate assumptions based on anticipated expenditures and reflects the balance of ensuring positive operating income for the long term, maintaining debt service coverage of at least 1.25x as required under the master resolution, and drawing down unassigned reserves over time to the assigned reserve target. Projected rates are based on current assumptions and will be revised during the next budget process. The following table compares the projected forecast rates to the Proposition 218 maximum rates.

Forecast Rate Comparison **East Replenishment (Per AF)**	**FY 2024 Rate**	**FY 2025 Rate**	**FY 2026 Rate**	**FY 2027* Rate**	**FY 2028* Rate**
Proposition 218 Maximum Rates					
East Replenishment Rate	$ 81.51	$ 83.96	$ 86.48	$ 86.48	$ 86.48
Year-Over-Year % Change	*3.0%*	*3.0%*	*3.0%*	*0.0%*	*0.0%*
Forecast Projected Rates					
East Replenishment Rate	$ 72.27	$ 72.27	$ 75.88	$ 81.95	$ 90.15
Year-Over-Year % Change	*0.0%*	*0.0%*	*5.0%*	*8.0%*	*10.0%*

* Proposition 218 Rates are adopted through FY 2026.

Property tax revenue is expected to grow by approximately 2% to 3% during the forecast period due to increases in assessed value. Operating expenses remain low through fiscal year 2025 due to curtailment efforts. Debt service payments for the Oasis project increase to $1.9 million per year beginning in fiscal year 2024, increasing to $3 million in fiscal year 2028.

East Whitewater Replenishment Five-Year Forecast	FY 2024 Budget	FY 2025	FY 2026	FY 2027	FY 2028
			Forecast		
Revenues					
Water Sales	$ 422,163	$ 422,163	$ 445,776	$ 470,028	$ 502,769
Replenishment Charges	7,805,160	7,335,405	7,360,700	7,744,670	8,519,137
Property Taxes - General	5,000,000	5,100,000	5,253,000	5,410,590	5,572,908
Investment Income	252,163	119,679	180,235	288,071	322,801
Other Revenue	25,000	25,000	25,000	25,000	25,000
Total Revenues	**$ 13,504,486**	**$ 13,002,247**	**$ 13,264,711**	**$ 13,938,359**	**$ 14,942,615**
Expenses					
Salaries & Benefits (Net of Capitalized Labor)	$ 2,175,582	$ 2,311,359	$ 2,415,619	$ 2,551,053	$ 2,655,619
Supplies and Services	1,444,552	1,495,471	1,540,752	1,581,314	1,622,992
Utilities	94,297	101,841	859,988	1,618,786	1,628,288
Water Purchases	442,906	514,758	2,586,210	5,095,650	5,596,269
QSA Mitigation Costs	1,369,312	-	-	-	-
Capital Outlay	11,250	11,813	12,405	13,025	13,676
Total Expenses	**$ 5,537,899**	**$ 4,435,242**	**$ 7,414,974**	**$ 10,859,828**	**$ 11,516,844**
Operating Income (Loss)	**$ 7,966,587**	**$ 8,567,005**	**$ 5,849,737**	**$ 3,078,531**	**$ 3,425,771**
Nonoperating Revenues (Expenses)					
Sources					
Loan Proceeds	$ 100,000	$ -	$ -	$ -	$ -
Uses					
Debt Service - External	(1,890,085)	(1,890,085)	(1,890,085)	(1,890,085)	(2,850,618)
Capital Improvement Budget	(2,147,310)	(981,500)	(1,017,500)	(172,500)	(10,000)
Contribution to Motorpool CIP	(39,879)	(101,320)	(104,360)	(102,000)	(102,320)
Pending Litigation Accrual	-	(4,840,399)	-	-	-
Total Nonoperating Revenues (Expenses)	**$ (3,977,274)**	**$ (7,813,304)**	**$ (3,011,945)**	**$ (2,164,585)**	**$ (2,962,938)**
Increase (Decrease) in Cash Flow	$ 3,989,313	$ 753,701	$ 2,837,792	$ 913,946	$ 462,834
Beginning Reserve	$ -	$ 3,989,313	$ 4,743,014	$ 7,580,806	$ 8,494,752
Ending Reserve	**$ 3,989,313**	**$ 4,743,014**	**$ 7,580,806**	**$ 8,494,752**	**$ 8,957,585**
Assigned Reserve	$ 4,622,000	$ 4,313,000	$ 5,377,000	$ 6,599,000	$ 7,808,000
Unassigned Reserve	$ -	$ 430,014	$ 2,203,806	$ 1,895,752	$ 1,149,585
Days Cash on Hand	*263*	*390*	*373*	*286*	*284*



Reserve Type East Whitewater Replenishment	FY 2022 Actual	FY 2023 Actual*	FY 2024 Budget	FY 2025 Forecast	FY 2026 Forecast	FY 2027 Forecast	FY 2028 Forecast
Assigned Reserves	$ 3,865,000	$ 5,383,000	$ 4,622,000	$ 4,313,000	$ 5,377,000	$ 6,599,000	$ 7,808,000
Unassigned Reserves	1,918,534	-	-	430,014	2,203,806	1,895,752	1,149,585
Total Reserves	$ 5,783,534	$ -	$ 3,989,313	$ 4,743,014	$ 7,580,806	$ 8,494,752	$ 8,957,585

Assigned Reserves by Type East Whitewater Replenishment	FY 2022 Actual	FY 2023 Actual*	FY 2024 Budget	FY 2025 Forecast	FY 2026 Forecast	FY 2027 Forecast	FY 2028 Forecast
Operating	$ 2,278,000	$ 2,487,000	$ 1,382,000	$ 1,106,000	$ 1,851,000	$ 2,712,000	$ 2,876,000
Rate Stabilization	911,000	995,000	553,000	442,000	740,000	1,085,000	1,150,000
Capital	100,000	181,000	181,000	181,000	181,000	181,000	181,000
Emergency	559,000	559,000	576,000	593,000	611,000	629,000	648,000
Vehicle	17,000	17,000	40,000	101,000	104,000	102,000	102,000
Debt Service	-	1,144,000	1,890,000	1,890,000	1,890,000	1,890,000	2,851,000
Total Assigned Reserves	$ 3,865,000	$ 5,383,000	$ 4,622,000	$ 4,313,000	$ 5,377,000	$ 6,599,000	$ 7,808,000

* *Unaudited*



Palm Desert Replenishment Facility

INTERNAL SERVICE FUNDS



Internal Service Funds are used to account for the financing of goods or services provided by one department to other departments or funds of the District. Internal Service Funds are expressly designed to function as cost-reimbursement devices. These funds accumulate costs related to an activity on an accrual basis, so the costs can subsequently be allocated to the benefitting funds or departments in the form of fees and charges. Internal Service Funds are appropriate when the intent is to recover the full cost of providing the activity.

CVWD operates three funds in this manner: the Motorpool fund, the Workers' Compensation Self-Insurance fund, and the Dental Self-Insurance fund.

MOTORPOOL

Motor Pool Fund	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Revenues						
Charges for Services	$ 5,458,249	$ 5,151,649	$ 4,941,757	$ 5,411,505	$ 469,748	9.5%
Intergovernmental	-	2,939	-	-	-	-
Investment Income	19,687	4,262	7,046	16,957	9,911	140.7%
Other Revenue	9,257	26,810	7,215	-	(7,215)	-100.0%
Total Revenues	**$ 5,487,193**	**$ 5,185,660**	**$ 4,956,018**	**$ 5,428,462**	**$ 472,444**	**9.5%**
Expenses						
Salaries & Benefits (Net of Capitalized Labor)	$ 3,307,529	$ 3,418,070	$ 3,613,869	$ 3,845,948	$ 232,079	6.4%
Supplies and Services	2,516,409	1,950,778	1,264,509	1,331,707	67,198	5.3%
Utilities	4,568	3,008	3,000	807	(2,193)	-73.1%
Capital Outlay	241,839	-	-	250,000	250,000	-
Total Expenses	**$ 6,070,344**	**$ 5,371,855**	**$ 4,881,378**	**$ 5,428,462**	**$ 547,084**	**11.2%**
Operating Income (Loss)	**$ (583,151)**	**$ (186,195)**	**$ 74,640**	**$ -**	**$ (74,640)**	**-100.0%**
Nonoperating Revenues (Expenses)						
Uses						
Capital Improvement Budget	$ (106,833)	$ (1,922,880)	$ (2,488,000)	$ (2,376,597)	$ 111,403	-4.5%
Contribution to Motorpool CIP	106,833	1,922,880	2,488,000	2,376,597	(111,403)	-4.5%
Other Revenue (Expenses)	280,550	-	-	-	-	-
Total Nonoperating Revenues (Expenses)	**$ 280,550**	**$ -**	**$ -**	**$ -**	**$ -**	**-**
Increase (Decrease) in Cash Flow	$ (302,601)	$ (186,195)	$ 74,640	$ -	$ (74,640)	-100.0%
Beginning Reserve	$ 1,465,129	$ 1,162,528	$ 1,162,528	$ 976,332	$ (186,195)	-16.0%
Ending Reserve	**$ 1,162,528**	**$ 976,332**	**$ 1,237,168**	**$ 976,332**	**$ (260,835)**	**-21.1%**

** Unaudited*

Background

The Motorpool Fund is used to account for repairs, maintenance, fuel, and services to all District vehicles and equipment. The Motorpool division of the Operations & Maintenance department is responsible for the management of the District's entire fleet. Services provided by this division include:

- South Coast Air Quality Management District (SCAQMD) compliance
- Vehicle and equipment rental
- Vehicle and equipment maintenance
- Preventative maintenance program
- Unscheduled repairs
- Fuel and parts inventory control
- Vehicle and equipment specifications preparation
- Vehicle and equipment acquisition

Budget Summary

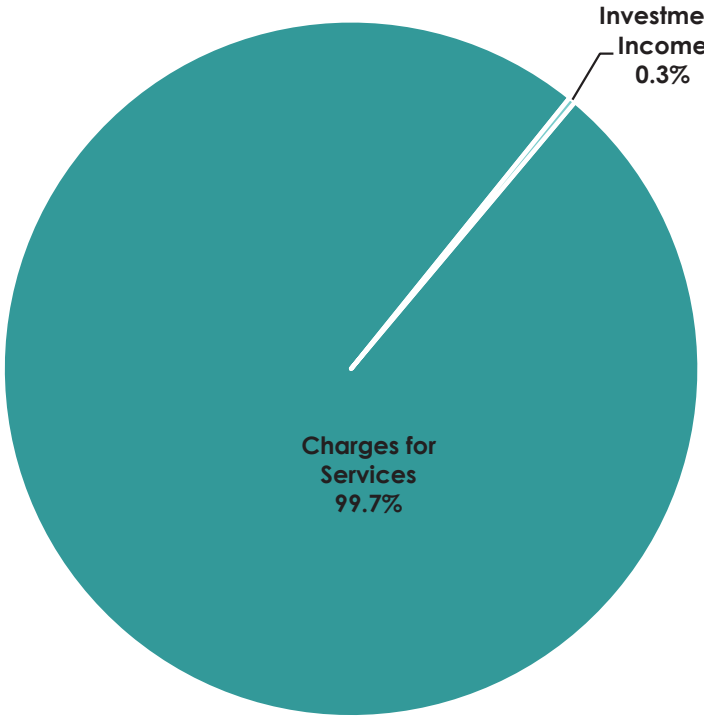
Fiscal year 2024 budget balances $5.4 million in expected operating expenses with $5.4 million in revenue from charges for services to the benefiting enterprise funds. While there is not a formal reserve policy for internal service funds, reserves are generally maintained to smooth out year-over-year variances in expenses.

The Motorpool Fund includes capital expenses for vehicle replacements, but the appropriate enterprise fund actually funds all replacements. Instead of accumulating reserves in the Motorpool Fund, each enterprise fund established a designated reserve for vehicle replacements or additions. In fiscal year 2024, approximately $2.4 million is being transferred to the Motorpool Fund to reimburse the fund for capital purchases.

Revenues

Operating Revenue

$5,428,462

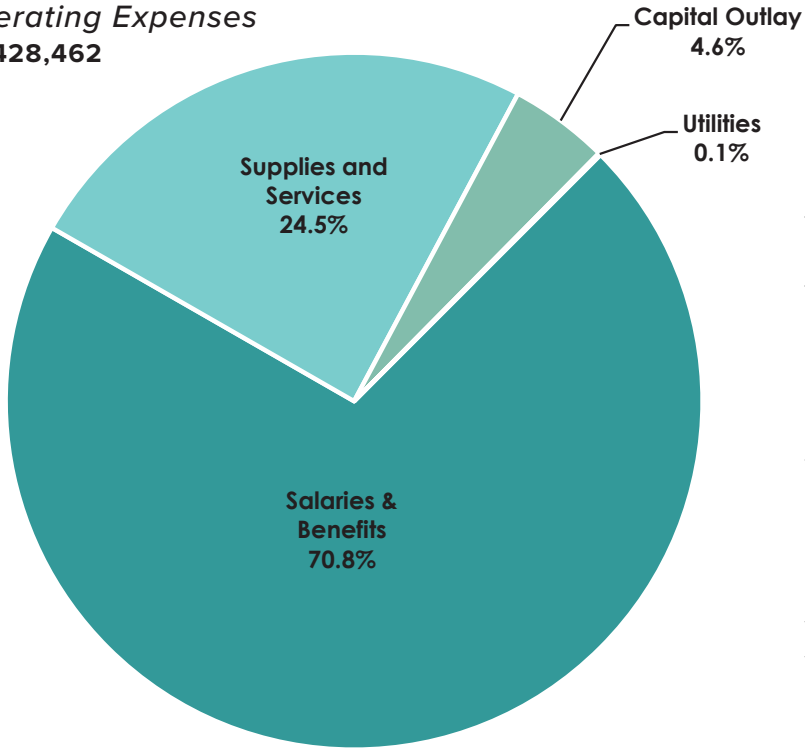


CHARGES FOR SERVICES amount to $5.4 million in fiscal year 2024. This amount includes operation and maintenance (O&M) costs, which are charged to user departments.

Expenses

Operating Expenses

$5,428,462



Budgeted operating expenses are $5.4 million in fiscal year 2024, or 11.2% higher than fiscal year 2023. Capital outlay is $250,000 in fiscal year 2024 to prepare for the installation of 20 electrical charging stations for new electric vehicles for meter reading. Salaries & Benefits are reflecting a $232,000 increase. Supplies & services reflect an increase of $67,000 compared to fiscal year 2023 due to contract services for a zero emissions study.

In addition, there are $2.4 million in vehicle capital improvements budgeted in fiscal year 2024. Additional details regarding vehicle equipment replacements are located in the Capital Improvements chapter.

WORKERS' COMPENSATION SELF-INSURANCE FUND

Workers' Compensation Fund	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Revenues						
Charges for Services	$ 890,467	$ 922,463	$ 1,262,470	$ 1,259,322	$ (3,148)	-0.2%
Investment Income	10,143	1,973	15,842	19,664	3,822	24.1%
Total Revenues	**$ 900,609**	**$ 924,435**	**$ 1,278,312**	**$ 1,278,986**	**$ 674**	**0.1%**
Expenses						
Salaries & Benefits (Net of Capitalized Labor)	$ 125,252	$ 92,139	$ 178,312	$ 178,986	$ 674	0.4%
Supplies and Services	846,673	989,282	1,100,000	1,100,000	-	-
Utilities	138	-	-	-	-	-
Total Expenses	**$ 972,063**	**$ 1,081,420**	**$ 1,278,312**	**$ 1,278,986**	**$ 674**	**0.1%**
Operating Income (Loss)	**$ (71,454)**	**$ (156,985)**	**$ -**	**$ -**	**$ -**	**-**
Nonoperating Revenues (Expenses)						
Uses						
Other Revenue (Expenses)	$ 43,498	$ -	$ -	$ -	$ -	-
Total Nonoperating Revenues (Expenses)	**$ 43,498**	**$ -**	**$ -**	**$ -**	**$ -**	**-**
Increase (Decrease) in Cash Flow	$ (27,956)	$ (156,985)	$ -	$ -	$ -	-
Beginning Reserve	$ 1,022,815	$ 994,859	$ 994,859	$ 837,874	$ (156,985)	-15.8%
Ending Reserve	**$ 994,859**	**$ 837,874**	**$ 994,859**	**$ 837,874**	**$ (156,985)**	**-15.8%**

** Unaudited*

Background

This fund accounts for all expenses associated with self-insuring the District's Workers' Compensation program. Rates are assessed against gross salaries as a means of providing revenue to cover workers' compensation claims and administrative costs.

Budget Summary

The budget for workers' compensation rates was derived from an actuarial analysis conducted in 2020. Estimated outstanding liabilities, including allocated loss adjustment expenses (ALAE), as of June 30, 2020, total $1.6 million. The outstanding liabilities represent the estimated cost of unpaid claims. The District conducts actuarial valuations every three (3) years, with the next valuation to be completed in fiscal year 2024.

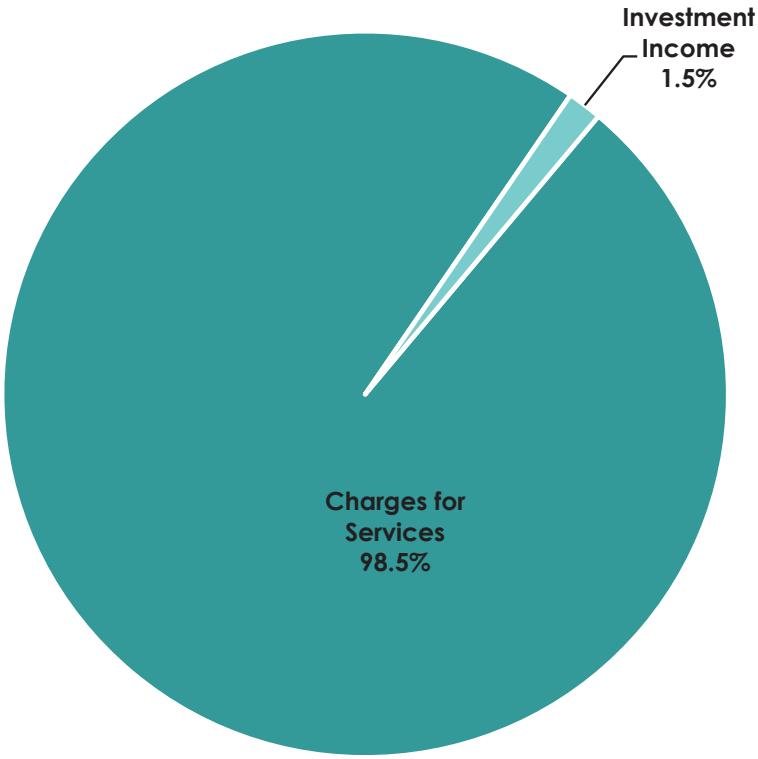
Estimated outstanding liabilities include case reserves, development of known claims, and incurred but not reported claims. ALAE are direct expenses for settling specific claims. These amounts are limited to the self-insured retention. Case reserves are an estimate of unpaid amounts established by claims adjusters for which particular claims will ultimately be settled or adjudicated.

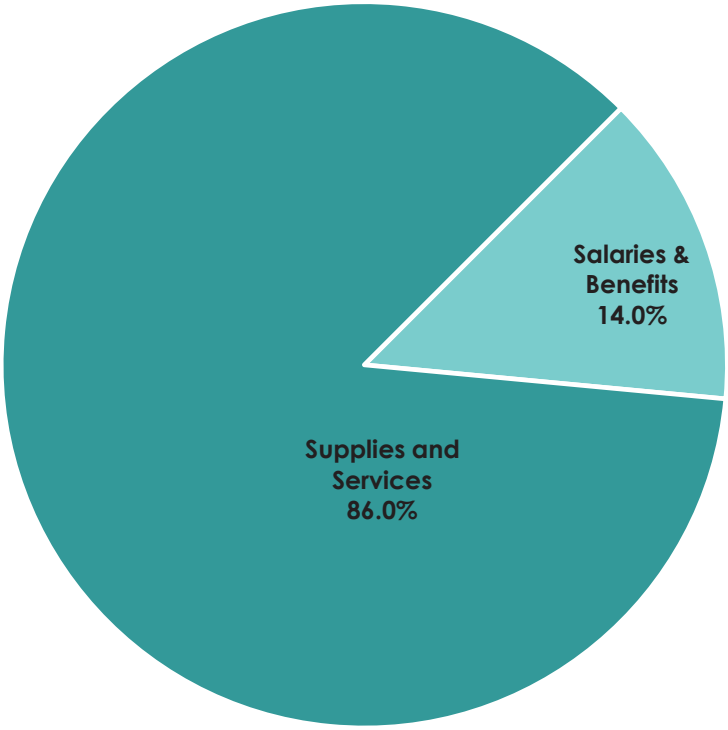
Revenues

Operating Revenue
$1,278,986

CHARGES FOR SERVICES total $1.3 million for fiscal year 2024. This revenue represents an expense to each department based on employees' salaries and type of work performed. Adjusting the experience modification factor used to calculate workers' compensation, along with the rate associated classification, impacts revenues in the Workers' Compensation fund.

In addition, there is $20,000 in investment income.





Expenses

Operating Expenses
$1,278,986

Overall budgeted expenses for fiscal year 2024 are projected to remain consistent with fiscal year 2023.

DENTAL SELF-INSURANCE FUND

Dental Self-Insurance Fund	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Revenues						
Charges for Services	$ 448,668	$ 465,409	$ 523,820	$ 549,673	$ 25,853	4.9%
Intergovernmental	-	17,120	-	-	-	-
Investment Income	6	(1,849)	58	-	(58)	-100.0%
Other Revenue	-	108,548	-	-	-	-
Total Revenues	**$ 448,674**	**$ 589,228**	**$ 523,878**	**$ 549,673**	**$ 25,795**	**4.9%**
Expenses						
Salaries & Benefits (Net of Capitalized Labor)	$ 776	$ -	$ 146	$ 120	$ (26)	-17.8%
Supplies and Services	574,784	436,557	523,694	549,515	25,821	4.9%
Utilities	18	-	38	38	-	-
Total Expenses	**$ 575,577**	**$ 436,557**	**$ 523,878**	**$ 549,673**	**$ 25,795**	**4.9%**
Operating Income (Loss)	**$ (126,904)**	**$ 152,671**	**$ -**	**$ -**	**$ -**	**-**
Nonoperating Revenues (Expenses)						
Uses						
Other Revenue (Expenses)	$ (652)	$ 187	$ -	$ -	$ -	-
Total Nonoperating Revenues (Expenses)	**$ (652)**	**$ 187**	**$ -**	**$ -**	**$ -**	**-**
Increase (Decrease) in Cash Flow	$ (127,556)	$ 152,858	$ -	$ -	$ -	-
Beginning Reserve	$ (25,302)	$ (152,858)	$ (152,858)	$ -	$ 152,858	-100.0%
Ending Reserve	**$ (152,858)**	**$ -**	**$ (152,858)**	**$ -**	**$ 152,858**	**-100.0%**

* *Unaudited*

Background

The Dental Self-Insurance Fund accounts for the costs of the self-insured dental plan for active employees, retirees, and those eligible for Consolidated Omnibus Budget Reconciliation Act (COBRA). The plan for active employees is a cost-sharing plan where the employees pay either 20% or 25%, and the District pays 75% or 80% of the monthly premiums, based upon each bargaining agreement. Costs associated with the plan for retirees and COBRA participants are projected to be covered by billed premiums.

Budget Summary

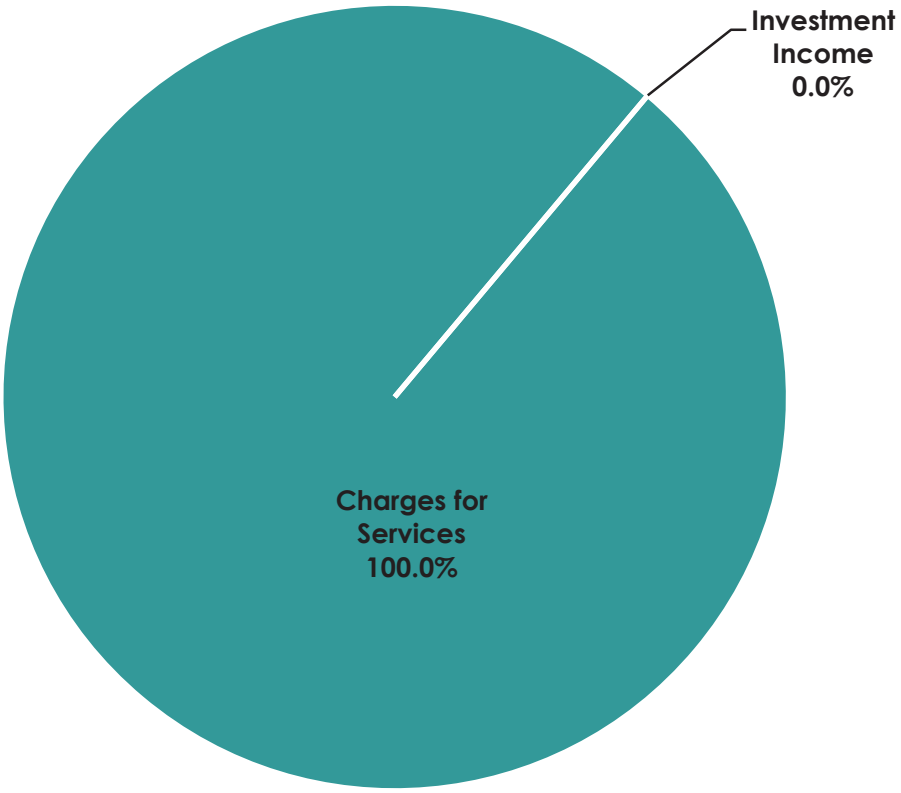
Fiscal year 2024 revenues are based on the average number of active employees, the average number of retirees, and COBRA participants participating in the plan, multiplied by the annual premium.

The expense budget is projected actual costs based on the cost of administering the program and the District's average claims history.

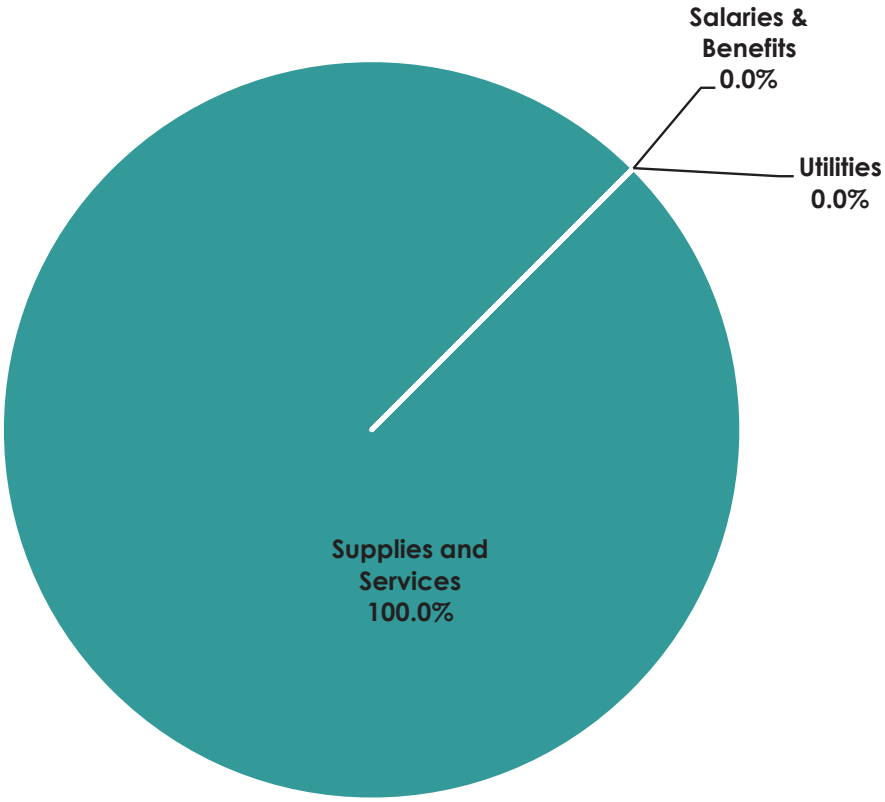
This fund was established in January 2016 without any required reserves. The District's Reserve Policy does not require reserves for the Dental Self-Insurance fund, as rates are adjusted when deficits occur.

Revenues

Operating Revenue
$549,673



CHARGES FOR SERVICES total $549,000 in fiscal year 2024. This revenue represents an expense to each department based on the number of active employees and the benefit coverage level selected: Employee only, Employee + One, Employee + Children, or Employee + Family. In addition, this revenue includes the average number of retirees and COBRA participants participating in the plan, multiplied by the annual premium.



Expenses

Operating Expenses
$549,673

Budgeted expenses for fiscal year 2024 are projected to increase by $26,000.

BUDGET BY DEPARTMENT



MISSION STATEMENT

To meet the water-related needs of the people through dedicated employees, providing high quality water at a reasonable cost.

DEPARTMENT DESCRIPTION

Each department is an organizational unit of the District and provides distinct services to serve CVWD customers. Department sections include an organization chart, a description of the function of each division within the department, applicable workload measures and metrics, accomplishments for fiscal year 2023, and goals for fiscal year 2024. Goals and accomplishments related to the Strategic Plan are listed where applicable. Each section includes a financial trend summary detailing department expenses.

Operating expenses are controlled at the department level and are managed within the adopted appropriations limit. If the transfer is within the same fund, budget transfers within a department may be made administratively. Budget amendments between funds or increases to the budget are brought to the Board for approval.

Departments and specific non-departmental expenses are grouped into three distinct sections: Support Services, Operations and Maintenance, and Non-Departmental. The majority of CVWD's departments are grouped in the Support Services section and provide overall administration and services to support the District. The Operations and Maintenance section includes the Operations, Maintenance, and Motorpool Departments, which the Assistant General Manager manages as a functional group. The Non-Departmental section includes expenses that may be managed by a particular department but are separated from department expense budgets to provide clarity.



CVWD Collections Employee

Expenses by Department	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Support Services						
Administration	$ 9,035,625	$ 9,893,819	$ 10,471,766	$ 11,022,540	$ 550,774	5.3%
Engineering	13,146,206	12,492,273	14,287,192	15,210,756	923,564	6.5%
Environmental Services	8,366,996	8,900,361	9,681,569	10,327,870	646,301	6.7%
Finance	5,639,299	5,649,508	6,709,332	6,454,127	(255,205)	-3.8%
Human Resources	7,982,604	8,627,633	10,849,014	10,589,828	(259,186)	-2.4%
Information Systems	6,727,851	6,669,660	7,156,579	7,571,769	415,190	5.8%
Service & Communication	16,481,903	26,991,052	30,670,675	19,371,287	(11,299,388)	-36.8%
Total Support Services	**$ 67,380,484**	**$ 79,224,306**	**$ 89,826,127**	**$ 80,548,177**	**$ (9,277,950)**	**-10.3%**
Operations and Maintenance						
Operations & Maintenance	$ 94,787,307	$ 102,588,563	$ 103,678,977	$ 105,762,723	$ 2,083,746	2.0%
Motorpool	4,421,890	4,658,975	4,360,985	4,938,739	577,754	13.2%
Total Operations and Maintenance	**$ 99,209,197**	**$ 107,247,538**	**$ 108,039,962**	**$ 110,701,462**	**$ 2,661,500**	**2.5%**
Non-Departmental						
Dental Self-Insurance	$ 497,216	$ 436,592	$ 445,900	$ 500,900	$ 55,000	12.3%
QSA Mitigation Costs	2,697,555	2,706,745	2,706,000	3,285,205	579,205	21.4%
Replenishment	14,274,750	13,068,044	13,657,027	14,016,530	359,503	2.6%
Water Purchases	90,950,840	82,666,190	98,632,114	123,472,865	24,840,751	25.2%
Workers' Comp	1,265,808	967,302	1,300,000	1,300,000	-	-
Other Non-Departmental Charges	1,759,904	1,338,742	1,057,500	1,635,000	577,500	54.6%
Pass Through (Contra Expense)	(5,160,987)	-	(4,450,000)	-	4,450,000	-100.0%
Capitalized Labor	(3,938,291)	(3,597,769)	(4,068,524)	(4,168,746)	(100,222)	2.5%
Total Non-Departmental	**$ 102,346,794**	**$ 97,585,847**	**$ 109,280,017**	**$ 140,041,754**	**$ 30,761,737**	**28.1%**
Total	**$ 268,936,476**	**$ 284,057,691**	**$ 307,146,106**	**$ 331,291,393**	**$ 24,145,287**	**7.9%**

* *Unaudited*

COST ALLOCATION

The District is a multifaceted entity, with eight enterprise funds or business units sharing a common workforce. With the exception of Operations, each department performs services that benefit all enterprise funds.

Maintaining an internal cost allocation structure is a detailed and involved activity, and CVWD utilizes a cost allocation methodology that systematically charges costs to the appropriate funds. During budget preparation, each department estimates time spent in each enterprise or activity to determine an appropriate allocation of salaries and benefits. Estimates are typically based on work order history, help desk tickets, or some other quantitative method when data is available. In addition, each department examines the remaining expenses for each division and determines an appropriate allocation for those expenses. In the event an expense or activity is directly attributable to just one enterprise, those expenses are budgeted and expensed directly to the enterprise fund receiving benefit and not based upon an allocation.

For example, the Domestic Operations Maintenance Division only performs services for the Domestic Water Fund; therefore, its expenses are charged directly to that fund. In contrast, the Safety Division of Human Resources performs services for all of the enterprise funds; therefore, expenses for Safety are distributed to all funds based upon the average distribution of the entire workforce.

Expenses for each department are allocated to the appropriate fund based on the services provided. The following table illustrates how department expenses are allocated to each fund.

Fund Allocation by Department

Department	Domestic	Canal	Replenishment	SWP	Sanitation	Stormwater	Motorpool	Self-Insurance	Total
Administration	22.7%	32.3%	12.4%	12.0%	13.1%	7.4%	0.1%	-	100.0%
Engineering	28.1%	13.8%	9.6%	-	29.5%	19.0%	-	-	100.0%
Environmental Services	28.1%	16.3%	25.1%	-	24.2%	6.2%	0.1%	-	100.0%
Finance	34.2%	15.7%	11.3%	1.0%	21.5%	11.5%	4.7%	-	100.0%
Human Resources	44.4%	12.0%	5.5%	-	25.2%	9.9%	0.9%	2.2%	100.0%
Information Systems	39.7%	15.7%	11.3%	-	26.0%	5.9%	1.5%	-	100.0%
Service & Communication	83.3%	6.8%	5.0%	-	3.8%	1.1%	-	-	100.0%
Operations & Maintenance	47.7%	15.1%	4.7%	-	27.3%	5.1%	0.2%	-	100.0%
Motorpool	2.5%	0.7%	0.1%	-	2.8%	-	93.9%	-	100.0%

SALARIES & BENEFITS

The personnel budget reflects 570 full-time equivalent (FTE) positions, with one additional position added for fiscal year 2024. Total payroll and related costs net of capitalized labor are budgeted at $98.4 million, an increase of $2.8 million or 2.9% compared to the fiscal year 2023 Budget. Capitalized labor, or labor costs that are eligible to be capitalized under the District's Capital Improvement Plan are included in the department salaries and benefits budget but removed at the fund level since they are included within the Capital Improvement Budget.

The following table depicts a five-year history of the budgeted number of positions by Department for fiscal years 2020 through 2024.

Personnel Summary by Department

Department	FY 2020 Budget	FY 2021 Budget	FY 2022 Budget	FY 2023 Budget	FY 2024 Budget
Administration	18	18	18	18	19
Engineering	54	54	53.5	53.5	53.5
Environmental Services	28.5	28.5	29	30	30
Finance	29	29	29	29	29
Human Resources	10.5	11.5	11.5	12.5	12.5
Information Systems	17	17	17	18	18
Service & Communication	82	81	81	79	79
Operations & Maintenance	312	312	312	311	311
Motorpool	18	18	18	18	18
Total	**569**	**569**	**569**	**569**	**570**

The District has two bargaining units operating under multi-year Memorandum of Understandings (MOUs):

Association of Supervisory Support Evaluation Team (ASSET) – Expires December 31, 2023

Coachella Valley Water District Employees Association (CVWDEA) – Expires December 31, 2025

Bargaining unit MOUs provide for an annual Cost of Living Adjustment (COLA), based on the actual Riverside, San Bernardino, Ontario Consumer Price Index-U with a minimum of two (2%) and a maximum of five (5%) percent for FY 2024. Unrepresented staff follow the District's Defined Benefit and Contribution Plan (DBCP), which the Board adopted in January 2023. The DBCP allows for consistency in the application of compensation and benefits as authorized by the Board for unrepresented staff.

MEDICAL BENEFITS

The District offers four medical plans to eligible employees – one health maintenance organization (HMO) plan, one preferred provider organization (PPO) plan, one High Deductible Health Plan (HDHP), and one other medical plan (EPO, HMO, POS, or PPO). All employee medical plans are cost-sharing plans. Employee contributions are based on either bargaining unit agreements or the DBCP. The adjacent table depicts the employer and employee contribution percentages. Medical and vision plans are fully insured, while dental plans are self-insured.

Medical/Dental/Vision Premium Contribution Split

Type	Employer	Employee
Bargaining Unit		
ASSET	75%	25%
CVWDEA	80%	20%
DBCP (Non-Rep)		
Category 1	75%	25%
Category 2	75%	25%
Category 3	80%	20%

CALIFORNIA PUBLIC EMPLOYEE RETIREMENT SYSTEM (CALPERS)

The District participates in the CalPERS retirement system, a multiple-employer defined benefit pension plan. In fiscal year 2008, the District contracted for the 2.5% @ 55 retirement formula, with all employees hired before January 1, 2013 defined as Classic Members. The Public Employees' Pension Reform Act (PEPRA) went into effect on January 1, 2013, with a retirement formula of 2% @ 62. All employees hired after December 31, 2012, and not a prior Classic Member of CalPERS are covered under the PEPRA retirement formula.

The following table depicts employer and employee contributions based on the participant's hire date. Classic Member participants are required to contribute up to 8% of their annual covered salary, and PEPRA members will contribute 7.75% in fiscal year 2024.

FY 2024 CalPERS Contribution Split						
Member Type	Hire Date	Retirement Formula	Employer Normal Cost Distribution	Implied Employer Unfunded Liability Contribution [1]	Employee Contribution	Combined Contribution
Classic	Before 01/01/13	2.5% @ 55	11.000%	27.700%	8.000%	46.700%
PEPRA	After 12/31/12 [2]	2% @ 62	11.000%	27.700%	7.750%	46.450%

(1) Employer Unfunded Liability Contribution of $16.7 million expressed as a percentage for comparison purposes.

(2) Employees who were not previous members of CalPERS

In fiscal year 2018, CalPERS began collecting employer contributions toward the plan's unfunded liability as dollar amounts instead of a percentage of payroll. This was done to avoid possible funding issues that could arise from a declining payroll or a reduction in the number of active members in the plan. The plan's normal contribution continues to be collected as a percentage of payroll. The District's UAL payment for fiscal year 2024 is $16.7 million and is part of a new funding strategy that reduces total payments by a projected 10 years and $36 million in savings based on current assumptions. Moving forward, the strategy will keep unfunded liability payments steady based on current levels as adjusted by annual payroll growth, even though the minimum required contribution is lower than current levels to accelerate funding and still provide budget and rate stability.

RETIREE BENEFITS/OTHER POST-EMPLOYMENT BENEFITS (OPEB)

The District offers post-employment medical benefits, with benefits and employee/employer contributions based on years of service, hire date, and date of retirement. CVWD provides 100% coverage of retiree medical for all employees who have met the years of service requirement and retired prior to July 1, 2015. The coverage will continue for the retiree, their spouse or registered domestic partner, and their eligible dependents until they become eligible for Medicare benefits.

Historically, benefits were funded on a pay-as-you-go basis. In fiscal year 2014, the District established an OPEB Trust Fund to reduce the actuarial accrued OPEB liability and deposited $10 million. An additional $10 million was deposited in fiscal year 2015. As a part of the annual budget process, the District reviews the actuarial liability to determine if future trust payments are needed. Annual OPEB costs are calculated based on the employer's annual required contribution (ARC), an amount actuarially determined in accordance with the parameters of GASB Statements 74 and 75. ARC represents a level of funding that, if paid on an ongoing basis, is projected to cover normal expenses each year and to amortize any unfunded actuarial liabilities over a period not to exceed 30 years. For fiscal year 2024, the District is implementing a plan to utilize OPEB trust funds to pay for retiree healthcare costs net of the ARC since the trust has reached a fully funded status, resulting in expenditure savings of approximately $1 million.

WORKERS' COMPENSATION

The District utilizes a self-insurance program for workers' compensation claims. In order to limit the District's loss exposure, CVWD purchases excess insurance coverage through a commercial insurer. This program is accounted for in the Workers' Compensation Self-Insurance Fund.

The rate is reviewed annually as a part of the budget process. It is assessed on gross salaries to provide revenue to pay current claims and an established accrued liability to cover any outstanding claims. The District last conducted an actuarial analysis of the workers' compensation program in 2020. The actuarial valuation reflected a reduction in estimated outstanding losses and a reduction in received claims. The District conducts an actuarial valuation every three (3) years, with the next valuation scheduled for fiscal year 2024. Any updates in rates or actuarial assumptions included in the study will be reflected in the FY 2025 budget.

ADMINISTRATION



General Manager
Jim Barrett

Assistant General Manager	3
Assistant General Manager	1
Executive Program Administrator	1
Financial Analyst II	1

Assistant General Manager	1
Assistant General Manager, Operations and Maintenance	1

Clerk of the Board	6
Clerk of the Board	1
Executive Assistant	1
Deputy Clerk of the Board	1
Administrative Assistant II	1
Administrative Assistant I	1
Office Assistant I	1

Administrative Services	8
Records Manager	1
Assistant Records Supervisor	1
Office Assistant II	1
Records Clerk II	3
Records Clerk I	1
Office Assistant I-II	1

Total FTE
19

DEPARTMENT DESCRIPTION

Administration is responsible for adhering to and implementing policies of the elected five-member Board of Directors (Board). Administration is made up of three divisions: Executive Staff, Clerk of the Board, and Administrative Services.

Mission

To ensure that CVWD's adopted mission statement and Board directions and policies are followed in a consistent manner throughout the organization.

DIVISION DESCRIPTIONS

Executive Staff

This division consists of four full-time positions: the General Manager, who is selected by and reports directly to the Board, an Assistant General Manager, an Assistant General Manager for Operations & Maintenance, and the Clerk of the Board, who all report to the General Manager. The Executive Staff is responsible for maintaining effective and timely communications between the Board and the District's departments, with a particular focus on the following functions and activities:

General Manager

Provides daily oversight, direction, leadership, and management to District personnel in regards to:

- Policies
- Strategic initiatives
- Assets and resources
- Administrative, operational, and functional activities of Coachella Valley Water District
- Adheres to and implements policies of the elected five-member Board of Directors
- Prioritizes items that require Board authorization and approval

Assists staff in the development and conduct of consistent practices.

Integrates the Strategic Plan.

Monitors performance efforts and decision-making processes.

Creates accountability and transparency within the District.

Assistant General Manager

Principal representative in all matters related to the District's sources of existing and future imported water (including management and negotiations),

- Water is used directly for irrigation and groundwater replenishment purposes and is critical to the overall stability and sustainability of the Coachella Valley.
- Sources include State Water Project water (contracted through the State of California) and Colorado River Water (contracted through the Federal Government).

Additional responsibilities include implementing, overseeing, and monitoring the District's annual Strategic Plan, which:

- Helps define and prioritize critical issues to the District's success.
- It was created through collaborative efforts between the CVWD Board and staff.
- Guides the direction of the District by providing a framework for decisions, action plans, and initiatives.

The Assistant General Manager supervises the Executive Program Administrator and Financial Analyst II to assist in the responsibilities above.

Assistant General Manager, Operations & Maintenance

Provides global oversight in all matters related to the operations, maintenance, and repair of eight of CVWD's enterprise funds, including Domestic Water, Sanitation (including Nonpotable Water), Stormwater, Canal Water, Replenishment, and Motorpool. Explores opportunities to optimize resource allocation more effectively and efficiently while striving for continuous performance and service level improvement.

Additional responsibilities also include:

- Managing the development and implementation of a comprehensive Asset Management Program.
- Developing and executing operational plans in accordance with fiscal budgets and strategic initiatives.
- Procuring and managing contractors, suppliers, and consultants to support CVWD's multi-layered operations.
- Developing and implementing preventive maintenance programs, departmental reports, and training programs.
- The Assistant General Manager for Operations & Maintenance supervises a team of 329 employees to assist in the responsibilities above.

Clerk of the Board /Administrative Services

The Clerk's Office is responsible for supporting the Board of Directors, General Manager, and Assistant General Manager, ensuring adherence to established policies and procedures, serving as a liaison with other District staff, outside agencies, and the public; serving as the District's custodian of records, and manages and maintains the District's Records Management Program. In addition, the Clerk of the Board:

- Prepares, publishes, and distributes the Board of Directors' Meeting agenda and backup materials in accordance with legal requirements for public meetings (Govt. Code Section 54950-54962).
- Prepares and maintains official records of Board actions, including meeting minutes, resolutions, and ordinances.
- Processes all requests for information pursuant to the California Public Records Act on behalf of the District.
- Supports and coordinates general District elections in accordance with state and local election and campaign financing laws and administers the oath of office to newly elected directors.
- Coordinates the filing of Conflict-of-Interest Statements, Annual Campaign Disclosure Statements, Statement of Facts, and election materials for Board of Director candidates and other filings.
- Records, preserves, researches, and provides for public access to the District's records.
- Coordinates all travel arrangements for Board members and District personnel.
- Provides photocopy and mailroom services to District departments.
- Greets and receives visitors in Palm Desert and Coachella Administration and ensures visitors are screened and escorted to their destination.

Administration Department Metrics

Administration Department Workload Measures	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Clerk of the Board					
District Documents Recorded	184	152	704	354	516
Board/Special Meeting Agendas Compiled	32	23	26	24	26
Board/Special Meeting Minutes Compiled	32	23	26	23	21
General Manager's Report of Activities	12	12	12	12	12
Secretary's Report of Documents Recorded	12	12	12	12	12
General Manager's Report of Authorizations/Executions	12	12	12	12	12
District Travel Requests Processed	462	170	32	15	8
Administration/Board Travel Requests Processed	100	83	6	45	58
Documents Notarized	223	216	377	468	455
Incoming Mail Processed	17,275	12,706	8,584	8,289	7,313
Outgoing Mail Processed	15,740	11,683	10,928	11,338	11,844
Documents Scanned for FileNet Entry	2,170	2,057	2,447	2,415	2,571
Visitors Badges Issued at Reception Counter	1,601	1,539	261	680	1,210
Public Records Act Requests	256	323	360	409	497
Administrative Services					
Calls Answered	71,605	69,205	25,080	21,202	14,980
Incoming Mail Processed	18,027	17,252	13,216	12,022	14,191
Outgoing Mail Processed	22,399	20,457	20,257	15,815	19,035
Documents Processed for FileNet	11,079	10,754	9,637	10,384	10,464
Boxes Destroyed in Accordance with Records Retention	1,730	1,000	-	479	249
Visitor Badges Issued at Reception Counter	496	410	186	425	360

FISCAL YEAR 2022-23 ACCOMPLISHMENTS

Administration

Imported Water

Continued to advance CVWD's efforts of securing its imported supply by obtaining Board approvals for continued funding through 2024 for new water supply planning projects, including the Delta Conveyance Project (Delta Conveyance) and Sites Reservoir Project (Sites Reservoir).

Created a new Replenishment Facilities Curtailment Program (Replenishment Curtailment Program) in response to the worsening conditions on the Colorado River. This compensated program was initiated for the last quarter of 2022 but has been extended to an additional three-year term (CY23-26) that would be compensated under Component 1 of the U.S Bureau of Reclamation's (Reclamation) Lower Colorado Conservation and Efficacy Program (LC Conservation Program).

Submitted a proposal to Reclamation for a new Colorado River Water Conservation Program (CRW Conservation Program) specifically for agricultural fallowing and other water conservation activities.

Participated actively in negotiations with Reclamation and Basin States representatives related to protecting the Colorado River system, including potential modification of the 2007 Interim Guidelines.

Continued representing CVWD's imported water interests through active engagement in various industry organizations. Positions held include State Water Contractors (President), Delta Conveyance Finance Joint Powers Authority (Secretary), Delta Conveyance Design and Construction Authority (Board member), and the Sites Reservoir Committee (representative).

Strategic Plan/Water Industry Leadership

Maintained the importance of strategic planning to CVWD's business needs by holding two workshops to generate initiatives for fiscal year 2024.

Received the Association of Metropolitan Water Agencies (AMWA's) Sustainability Award (highest level award for utility management) based on well-established management practices.

Continued to promote CVWD's voice in the water industry by holding leadership positions in national organizations, including the American Water Works Association's (AWWA) Water Utility Council (Vice-chair) and Partnership for Clean Water Program (Steering Committee Chair).

Enhanced CVWD's visibility in the water industry by presenting at various conferences, including the AWWA Utility Management Conference.

Operations & Maintenance

Implemented the Computerized Maintenance Management System (CMMS) Asset Management System.

Completed the configuration and implementation of the Preventative Maintenance Program, with the goal of providing continuous improvement.

Procured 53 Programmable Logic Control Panels and commenced the integration as part of the PLC Implementation Plan, Phase II.

Completed the full-scale implementation of the Geotab GPS Program.

Worked strategically with South Coast Air Quality Management District to meet large-equipment needs within regulatory requirements.

Clerk of the Board / Administrative Services

Issued a request for proposal (RFP) and implemented a new agenda management platform.

Implemented DocuData, EDC Record Center Software to manage the District's records center by identifying and tracking all archive boxes.

Codified and published nine (9) new District Ordinances.

Destroyed 479 boxes of records in accordance with the District's Records Retention schedule and policy.

Scanned and indexed historical Board Meeting Minutes for the years 1915 to 2008.

Provided records and information management training to department records liaisons.

Inventoried and cataloged historical records in Document Control vaults into a managed and searchable database.

FISCAL YEAR 2023-24 GOALS

Administration

Imported Water

Protect CVWD's Colorado River water supply through actively participating in Colorado River negotiations, including response to current conditions and renegotiations of the 2007 Interim Guidelines.

Create and implement a new CRW Conservation Program through active engagement with the agricultural community and funding partners.

Submit proposals to Reclamation for Component 2 of the LC Conservation Program (long-term conservation), (1) Golf Course Conservation Program, and (2) Water Reclamation Plant 4 Recycled Water Expansion Project.

Continue to preserve CVWD's State Water Project-related water supply interests through active participation in the Delta Conveyance and Sites Reservoir.

Continue cooperating with Metropolitan Water District of Southern California and Desert Water Agencies to find opportunities to deliver more water to the Coachella Valley.

Strategic Plan

Update the Board on the status of the fiscal year 2024 Strategic Plan initiatives.

Operations & Maintenance

Develop and implement enhancement requirements for the CMMS as part of the Asset Management Implementation Program.

Ensure the optimization of replenishment/storage of Colorado River (State Project) Water to the Whitewater Groundwater Replenishment Facility.

Complete the Preventative Maintenance Plan configuration into the Asset Management Program and develop customized reporting for key performance indicators.

Complete a Comprehensive Instrumentation Plan Report that outlines the global sequencing plan over the next 5 years.

Develop and Implement a Fleet Mitigation and Compliance Program to align with the California Air Resource Board Clean Fleet Rule.

Develop and implement a Battery Electric Charging System and Prioritization Plan.

Complete Security Vulnerability Assessment on Critical Infrastructure.

Clerk of the Board / Administrative Services

Identify and implement a system to automate the eDiscovery process and support the Clerk's office in preserving electronic data in response to requests for production in a lawsuit, investigation, or records request.

Develop and implement a Facilities Use Policy for external agencies' use of CVWD meeting rooms.

Research and identify a system to automate existing District forms to include a workflow for approvals.

Identify and destroy 250 archive boxes in accordance with the Records Retention Schedule.

Continue the scanning and archiving of the District's historical records.

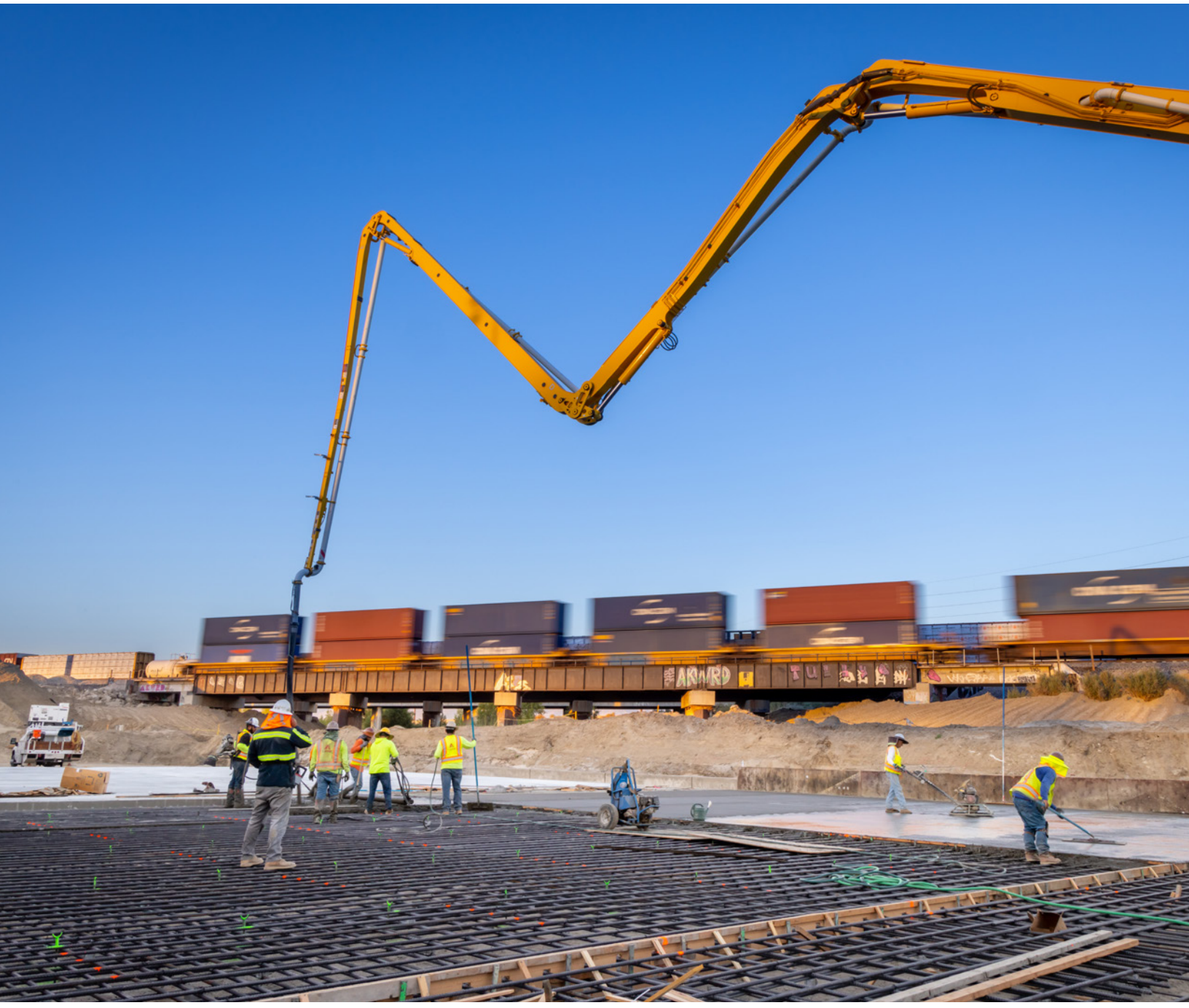
Administration Department	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Expenses by Type						
Salaries and Wages	$ 2,386,269	$ 2,391,015	$ 2,522,281	$ 2,844,913	$ 322,632	12.8%
Employee Benefits	1,226,182	1,154,609	1,425,366	1,557,117	131,751	9.2%
Outside Labor	-	46,876	-	-	-	-
Professional Development	1,077,772	995,273	1,225,000	642,083	(582,917)	-47.6%
Professional Services	2,816,390	3,252,791	3,329,131	3,517,000	187,869	5.6%
Advertising and Media	12,223	8,411	16,000	15,000	(1,000)	-6.3%
Election Costs	-	149,247	300,000	-	(300,000)	-100.0%
Utilities	7,145	6,786	8,500	8,500	-	-
Materials and Supplies	111,871	166,832	206,100	145,000	(61,100)	-29.6%
Motorpool	38,094	37,863	39,688	40,414	726	1.8%
Contract Services	61,610	46,525	52,500	64,000	11,500	21.9%
Miscellaneous Expense	1,281,617	1,637,591	1,337,200	2,188,513	851,313	63.7%
Capital Outlay	16,451	-	10,000	-	(10,000)	-100.0%
Total	**$ 9,035,625**	**$ 9,893,819**	**$ 10,471,766**	**$ 11,022,540**	**$ 550,774**	**5.3%**
Expenses by Division						
Board of Directors	$ 146,038	$ 140,702	$ 216,100	$ 219,600	$ 3,500	1.6%
Board of Secretary	971,713	1,141,584	1,422,935	1,226,160	(196,775)	-13.8%
Administration	4,292,760	4,833,072	5,331,476	5,845,061	513,585	9.6%
Records Management	1,056,540	1,025,676	1,349,116	1,350,123	1,007	0.1%
Colorado River and Other	1,961,857	2,258,928	1,532,008	1,570,430	38,422	2.5%
State Water Project	606,716	493,858	620,131	811,166	191,035	30.8%
Total	**$ 9,035,625**	**$ 9,893,819**	**$ 10,471,766**	**$ 11,022,540**	**$ 550,774**	**5.3%**
Expenses by Fund						
Domestic Water	$ 1,120,580	$ 1,190,829	$ 1,492,113	$ 2,499,165	$ 1,007,052	67.5%
Canal Water	3,403,078	4,110,004	3,343,029	3,564,137	221,108	6.6%
West Whitewater Replenishment	1,816,871	2,046,477	1,927,813	787,319	(1,140,494)	-59.2%
Mission Creek Replenishment	19,353	94,122	116,072	114,052	(2,020)	-1.7%
East Whitewater Replenishment	339,448	340,372	474,457	463,044	(11,413)	-2.4%
State Water Project	1,103,776	898,226	913,431	1,321,714	408,283	44.7%
Sanitation	814,975	809,029	1,411,912	1,440,916	29,004	2.1%
Stormwater Fund	403,513	390,252	780,743	819,476	38,733	5.0%
Motor Pool Fund	14,032	14,509	12,196	12,717	521	4.3%
Total	**$ 9,035,625**	**$ 9,893,819**	**$ 10,471,766**	**$ 11,022,540**	**$ 550,774**	**5.3%**

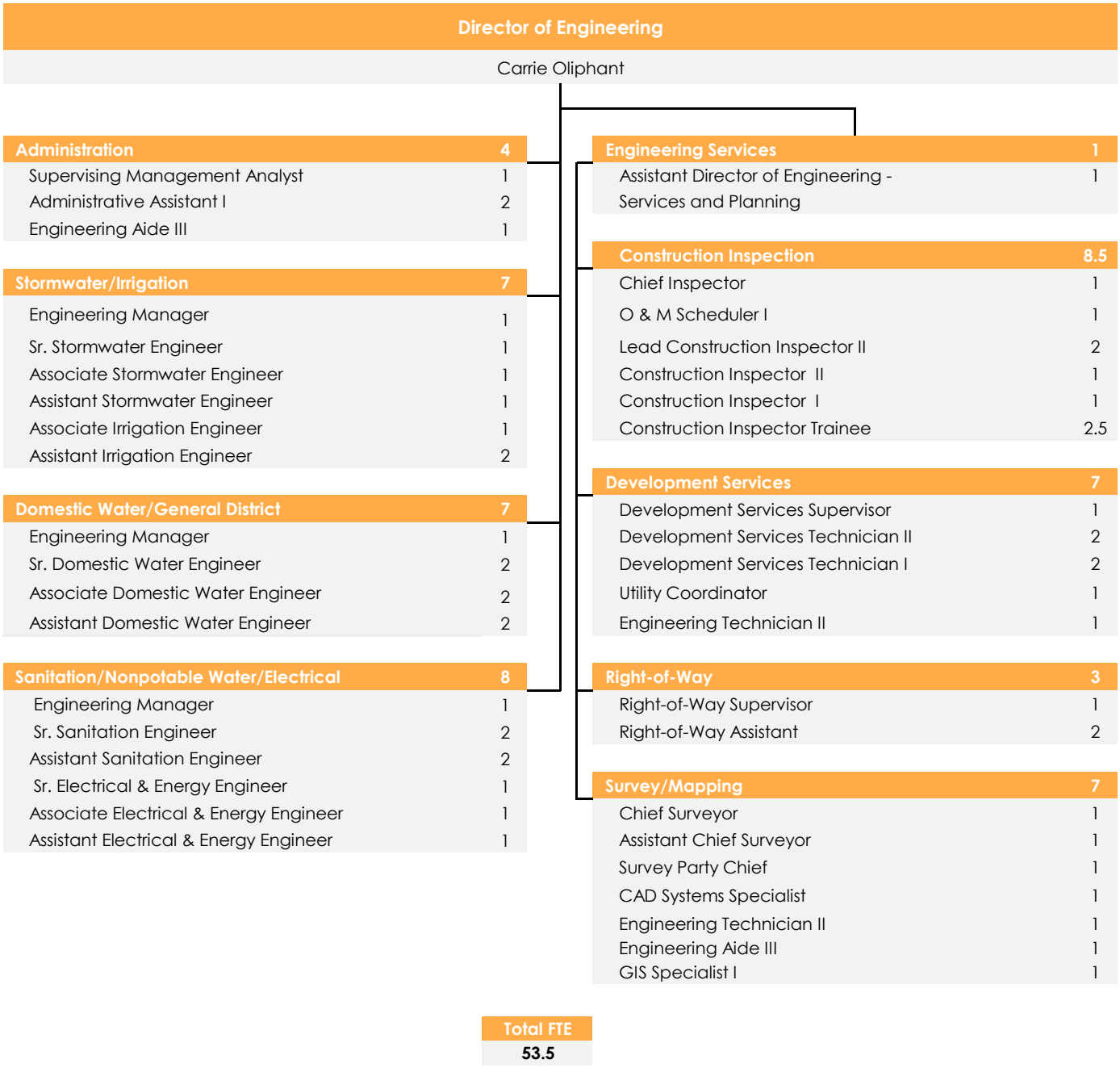
* *Unaudited*

Water-Related Costs	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Water Purchases						
IID CVWD QSA Water	$ 9,224,410	$ 4,969,628	$ 9,188,285	$ 11,498,681	$ 2,310,396	25.1%
MWD 15,000 af Conservation	5,940,440	6,903,236	4,885,445	4,957,500	72,055	1.5%
MWD 35,000 af Non SWP	2,053,909	1,852,550	3,365,187	2,430,301	(934,886)	-27.8%
GLC/Rosedale (Commodity)	6,000,539	-	-	5,481,500	5,481,500	-
Total Non-SWP Water Purchases	**$ 23,219,298**	**$ 13,725,414**	**$ 17,438,917**	**$ 24,367,982**	**$ 6,929,065**	**39.7%**
State Water Project Water						
Delta Charge Capital (V)	$ 5,231,513	$ 5,652,502	$ 5,949,250	$ 5,424,049	$ (525,201)	-8.8%
Transportation Capital (F)	11,203,862	10,312,390	11,719,062	10,303,148	(1,415,914)	-12.1%
Delta Water OMPR (V)	7,637,511	7,699,172	8,058,408	7,342,212	(716,196)	-8.9%
Transportation OMPR (F)	17,997,132	18,600,342	19,521,017	20,614,196	1,093,179	5.6%
Water System Bond Surcharge (F)	428,625	527,714	2,462,906	540,751	(1,922,155)	-78.0%
East Branch Bond P&I (F)	4,028,486	4,164,841	5,004,488	3,817,552	(1,186,936)	-23.7%
Off-Aqueduct Maintenance (V)	18,785	9,013	346,837	326,186	(20,651)	-6.0%
Transportation OMPR (V)	3,838,659	4,554,049	7,747,600	29,337,832	21,590,232	278.7%
Tehachapi 2nd Debt Service (F)	(440)	(173)	58,775	58,697	(78)	-0.1%
SWP Portion of MWD	8,691,092	9,207,450	7,700,000	8,979,699	1,279,699	16.6%
Yuba Dry Year	710,739	833,269	2,200,000	-	(2,200,000)	-100.0%
Article 21	-	2,486,864	-	-	-	-
GLC/Rosedale (Transportation)	-	-	-	2,437,320	2,437,320	-
Sites Reservoir	1,000,000	1,000,000	1,400,000	1,600,000	200,000	14.3%
East Branch Cost Reallocation	-	-	1,119,614	-	(1,119,614)	-100.0%
Storage Exchange Agreement	-	-	-	3,085,981	3,085,981	-
Total SWP Water Purchases	**$ 60,785,964**	**$ 65,047,433**	**$ 73,287,957**	**$ 93,867,623**	**$ 20,579,666**	**28.1%**
Other Water-Related Costs						
Canal Water (Interfund Sales)	$ 6,582,176	$ 3,384,066	$ 7,547,240	$ 4,880,964	$ (2,666,276)	-35.3%
Desert Water Agency Shared Costs	363,403	509,277	358,000	356,296	(1,704)	-0.5%
QSA Mitigation Costs	2,697,555	2,706,745	2,706,000	3,285,205	579,205	21.4%
	$ 9,643,134	**$ 6,600,088**	**$ 10,611,240**	**$ 8,522,465**	**$ (2,088,775)**	**-19.7%**
Total Water-Related Costs	**$ 93,648,395**	**$ 85,372,935**	**$ 101,338,114**	**$ 126,758,070**	**$ 25,419,956**	**25.1%**

* *Unaudited*

ENGINEERING





DEPARTMENT DESCRIPTION

The Engineering Department consists of five divisions: Administration, Stormwater/Irrigation, Domestic Water/ General District, Sanitation/Nonpotable Water/Electrical, and Engineering Services (Construction Inspection, Development Services, Right-of-Way, and Survey).

Mission

Provide professional engineering and technical services that ensure long-term comprehensive planning, reliable project design, and quality construction management to meet the Coachella Valley's water-related needs.

Core Values

- Exceptional customer service
- Fair and efficient business practices
- Cost effective, sustainable, and reliable solutions
- Collaboration
- Comprehensive communication
- Commitment
- Accountability
- Integrity

DIVISION DESCRIPTIONS

Each division's primary focus is on the following functions and activities:

Administration

Provides overall management support and leadership to ensure the Engineering Department's mission and goals are accomplished.

Stormwater/Irrigation

Responsible for planning, designing, and constructing the District's Irrigation/Drainage and Stormwater facilities.

Performs planning and engineering studies regarding existing infrastructure's condition and/or capacity.

Administers Riverside County's Ordinance 458 as a part of FEMA's National Flood Insurance Program (NFIP).

In coordination with other CVWD departments, meets with developers and outside engineers to discuss concepts and general requirements for new projects and developments.

Review proposed subdivisions to determine compliance with CVWD's Development Design Manual and planned expansions.

Coordinates design, construction, and operation & maintenance activities with the United States Bureau of Reclamation (USBR).

Domestic Water/General District

Responsible for the planning, budgeting, designing, and constructing the District's Domestic Water and General District facilities.

Performs planning and engineering studies regarding existing infrastructure's condition and/or capacity.

Provides project management, engineering, and grant support for consolidating private Disadvantaged Community water systems.

In coordination with the other CVWD departments, meet with developers and outside engineers to discuss concepts and general requirements for new projects and developments.

Prepares hydraulic model studies to assist developers with sizing infrastructure for planned development.

Review proposed subdivisions to determine compliance with CVWD's Development Design Manual and planned expansions.

Provides support to the Environmental Services Department for the preparation of California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) documents and permits for capital projects.

Develops and implements developer connection fees, including the Water System Backup Facilities Charge (WSBFC).

Sanitation/Nonpotable Water/Electrical

Oversees planning, design, and construction of sanitation, nonpotable water, and electrical facilities.

Develops and implements CVWD's Nonpotable Water and Sanitation System Master Plans.

In coordination with the other CVWD departments, meet with developers and outside engineers to discuss concepts and general requirements for new projects and developments.

Review proposed subdivisions to determine compliance with CVWD's Development Design Manual and planned expansions.

Supports Environmental & Water Quality Division regarding California Environmental Quality Act (CEQA), National Environmental Policy Act (NEPA), and permitting issues to ensure compliance with the Safe Drinking Water Act, Clean Water Act, National Pollution Discharge Elimination System (NPDES) permits, and others.

Prepares hydraulic model studies to assist developers with sizing infrastructure for planned development.

Develops and implements developer connection fees, including the Sanitation Capacity Charge (SCC).

Leads and conducts studies in automation and instrumentation control of water reclamation plant processes and initiates treatment performance tests for telemetry systems, electrical systems, process control, and instrumentation components.

Prepares control descriptions, outlining operation, control, and telemetry of treatment processes.

Performs as a lead project manager and construction manager for expansions/renovations of sanitation and nonpotable water facilities, including water reclamation plants, pump stations, pipelines, lift stations, and water treatment facilities, through conceptual scope development, preliminary engineering, design construction, and start-up.

Engineering Services

Provides overall management support and leadership to the following:

CONSTRUCTION INSPECTION

Inspects all Capital Improvement Projects.

Inspects all water/sewer installations for developer projects in the District's service area.

Inspects all single sewer lateral installations.

Inspects all street resurfacing projects to ensure CVWD's valve/manholes are adjusted as part of the process.

Inspect work authorized via Encroachment Permits.

Coordinate receipt of record drawings and asset register upon completion of projects.

DEVELOPMENT SERVICES

Tracks all new development within the District service area (8 cities, 2 counties).

Prepares development review letters and developer agreements.

Coordinates developer meetings.

Establishes new customer accounts.

Tracks infrastructure plan submittals.

Processes developer fees and deposits.

Provides utility coordination and planning, including management of valve and manhole adjustment contracts.

Performs development plan checks and reviews.

RIGHT-OF-WAY

Monitors, reviews, and approves activities related to the District's fee-owned land and easements (managing over 7,000 acres of land and over 3,500 easements).

Manages and researches District and United States Bureau of Reclamation right-of-way.

Conveys and acquires right-of-way.

Processes encroachment permits, noninterference review letters, and leases.

Supports Development Services and Survey in review of development packages.

SURVEY/MAPPING

Provides office and field survey support to all District departments.

Stakes existing utilities and easements.

Performs topographic and boundary surveys.

Reviews tract and parcel maps.

Reviews and prepares legal descriptions and plat depictions.

Prepares records of surveys.

Prepares exhibits and plans using AutoCAD/Civil 3D and Geographic Information System (GIS).

Responsible for Infrastructure mapping of District facilities with GIS maintenance and record drawing management.

Engineering Metrics

Capital Projects Budget vs. Spend					
	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Amended Budget	$ 127,404,000	$ 127,250,000	$ 103,777,000	$ 143,072,123	$ 135,617,442
Actual Spend	117,772,940	116,082,000	96,355,214	131,234,137	111,479,948
% of Budget	92.4%	91.2%	92.8%	91.7%	82.2%

Engineering Workload Measures	FY 2021	FY 2022	FY 2023
Administration			
Engineering Letters Processed	931	1,154	983
Environmental Services Letters Processed	75	277	207
Bids Processed	41	18	23
Documents Routed for Electronic Signature	1,459	1,420	1,096
Stormwater/Irrigation			
Achieved a minimum of 70% CIP Execution Rate	Yes	Yes	Yes
Processed a minimum 90% of Development Review Letters within 2 Weeks	Yes	Yes	Yes
Processed a minimum 90% of Hydraulics and Hydrology Requests within 4 Weeks	Yes	Yes	Yes
Elevation Certificates Processed	81	45	25
Flood Management Reviews Processed	5	17	28
Development Review Letters Processed	66	72	73
Developer Meetings Attended	82	139	15
Number of Installation Agreements	2	3	-
Encroachment Permits/Noninterference Review Letters (NIRLs) Reviewed	16	17	25
Change Orders	13	30	31
Domestic Water/General District			
Achieved a minimum of 70% CIP Execution Rate	Yes	Yes	No
Processed a minimum 90% of Development Review Letters within 2 Weeks	Yes	Yes	Yes
Processed a minimum 90% of Water Meter Sizing Requests within 1 Week	Yes	No	No
Change Orders	60	26	11
Customer Phone Calls	183	113	179
Development Review Letters	66	72	73
Hydraulic Models, Trench Calculations, Water Meter Sizing	556	978	602
Developer Meetings Attended	93	96	123
Support Meetings with Other Departments	148	164	226
Other Meetings Attended	469	1,175	556
Board Action Items	21	17	25
Sanitation/Nonpotable Water/Electrical			
Achieved a minimum of 70% CIP Execution Rate	Yes	Yes	No
Processed a minimum 90% of Development Review Letters within 2 Weeks	Yes	Yes	Yes
Developer Plan Reviews Received	66	72	73
Developer Meetings Attended	33	30	37
Right-of-Way Reviews	23	51	40
Hydraulic Models Assigned	20	30	19
Trench Calculations Assigned	25	37	16
Sanitation - Submittals Received	139	67	34
Sanitation - Requests for Information	163	52	4
Sanitation - Change Orders	54	18	4
Nonpotable Water - Submittals Received	56	158	132
Nonpotable Water - Requests for Information	15	107	145
Nonpotable Water - Change Orders	1	51	22
Electrical - Sanitation/Nonpotable Water Submittals Reviewed	146	50	49
Electrical - Domestic Water Submittals Reviewed	117	36	36
Electrical - Stormwater/Irrigation Submittals Reviewed	59	82	27
Electrical - General District Submittals Reviewed	32	1	8
Electrical - Sanitation/Nonpotable Water Inspections	110	119	35
Electrical - Domestic Water Inspections	55	28	17
Electrical - Stormwater/Irrigation Inspections	9	5	7
Electrical - General District Inspections	25	42	2
Electrical - Requests for Information - Sanitation/Nonpotable Water	82	34	22
Electrical - Requests for Information - Domestic Water	55	8	8
Electrical - Requests for Information - Stormwater/Irrigation/Canal	12	17	5
Electrical - Requests for Information - General District	-	2	-
Electrical - Utility Coordination	237	231	1

Engineering Workload Measures	FY 2021	FY 2022	FY 2023
Engineering Services			
Construction Inspection			
Customer Contacts Walk-Ins/Phone Calls/Emails	15,879	15,181	16,699
Pre Cons Attended	93	81	89
Tract Inspections	135	101	3,360
CIP Inspections	27	33	1,920
Existing Facilities Inspections	37	45	31
Single Sewer Laterals Inspections & Sewer Video Tract Inspections	31	45	33
Development Services			
Produce a Minimum 90% of Cost Notification for Service Invoices within 10 Business Days of Receipt	No	No	No
Approved a minimum 90% of Landscape Plans within 7 – 10 Business Days	Yes	Yes	Yes
Process Development Review Letters within 7-10 business days	Yes	Yes	Yes
Landscape Plans approved	163	239	169
Additional Water Meters Installed	1,063	1,418	1,232
Domestic and Sanitation Cost Notifications	1,202	1,691	1,369
Plans Released	35	55	44
Customer Contacts Phone Calls/Emails	30,496	35,308	55,625
Customers at Counter	128	610	814
Development Meetings	83	69	95
Development Security Deposit Processed	27	29	12
Plan Checks (1st, 2nd, 3rd Checks)	426	403	301
Customer Contact	1,893	2,010	1,910
Correspondence	3,010	3,892	15,256
Phone Calls	591	720	520
Right-of-Way (ROW)			
Percent of Right-of-Way Permit Requests Processed Within 30 Days of Receipt of a Complete Submittal	100	100	100
Walk-in Customers	-	17	15
Research Requests/Initial Inquiries	3,447	5,080	3,546
Issuance of ROW Numbers for ROW Docs	651	278	137
Issuance of ROW Numbers for Others	390	394	157
New Permits/Noninterference Review Letters (NIRLs)	211	152	121
Permit Extensions	185	82	51
CIB Projects	73	26	21
Developer Meetings Attended	29	46	69
Developer Acquisitions/Conveyances	62	37	33
Encroachments	8	11	11
Vacation Requests	2	9	4
Leases Researched	11	9	4
Bureau of Land Management/Bureau of Indian Affairs Rights	5	3	4
United States Bureau of Reclamation (USBR) Processes	34	15	15
ROW Acquisitions/Conveyances	100	40	44
Land Sale Requests	14	21	19
Tax Default Parcels Researched	8	4	3
Survey			
Percent of Requests for Field Survey Processed within 3 Days of Receipt	100	100	100
Completed Reviews of Maps/Easements	31	29	22
Legal and Plats Reviewed	193	85	113
Exhibit A Legals Written	219	198	309
Staking Plans/Survey Processing Projects	494	407	372
Plotting Requests	22	23	12
Internal Easement Legal and Plats Completed	62	55	27
Meetings/Training Sessions Attended	189	220	309
Requests for Information/Research/Material	399	355	375
Preliminary Title Reports Reviewed	104	27	30
Board Agenda Item Maps	338	296	652
Plat Updates	412	456	218
Process Plat Update Requests within 5 Business Days	Yes	Yes	Yes
GIS Viewer Updates Hours	199	579	1,640

FISCAL YEAR 2022-23 ACCOMPLISHMENTS

Administration

Processed a minimum of 90% of task orders within 5 business days.

Stormwater/Irrigation

Achieved a minimum 75% CIP execution rate.

Achieved a 5% or less average for change orders as a % of the project total.

Achieved a turnaround time of 2 weeks or less for a minimum of 90% of development review letters.

Maintained an average turnaround time of 3 weeks or less for a minimum of 90% of Riverside County flood management reviews.

Achieved an average turnaround time of 4 weeks or less for a minimum of 90% of developer plan reviews.

Completed the Irrigation Lateral 119.64-7.5 Replacement Project - Phase 1.

Completed the Johnson Street Drain Improvement Project.

Completed the Madison Club – Avenue 54 Meter Connection.

Completed 100% of the design of the Mid-Canal Storage Project.

Completed 100% design of the East Side Dike Realignment between Wasteway No. 3 and Dillon Road.

Domestic Water/General District

Achieved a minimum 75% CIP execution rate.

Achieved a 5% or less average for change orders as a % of the project total.

Maintained a turnaround time of 2 weeks or less for a minimum of 90% of development review letters.

Achieved a turnaround time of 2 weeks or less for a minimum of 90% of fire flow analysis requests.

Maintained a turnaround time of 2 weeks or less for a minimum of 90% of trench review requests.

Processed a minimum of 90% of water meter sizing requests within 1 week.

Completed the Reservoir 4605-2 Design and Construction Project.

Completed the Highway 86 Transmission Main – Lincoln Street Project.

Completed the Salt and Nutrient Management Plan Monitoring Wells (15) – Phase 1 Project.

Completed 100% design of the Salt and Nutrient Management Plan Monitoring Wells (15) – Phase 2 Project.

Completed 100% of North Shore and Dale Kiler Water Main Replacement Projects design.

Completed 100% re-design of the IXTP 7991 Improvement Project.

Completed 100% design of the Hydropneumatic/Surge Tank Replacement Program Phase 2 Project.

Completed 100% Adams Street Water Main Replacement Project Phase 1 Project design.

Sanitation/Nonpotable Water/Electrical

Achieved a 5% or less average for change orders as a % of the project total.

Maintained a turnaround time of 2 weeks or less for a minimum of 90% of development review letters.

Achieved a turnaround time of 3 weeks or less for a minimum of 90% of trench review requests.

Completed the Sewer Pipeline Rehabilitation – Palm Desert and Thousand Palms Project.

Completed the FY 2017-2018 Nonpotable Water (NPW) Pipeline Connection Projects.

Completed 100% design of the WRP 7 – Aeration Improvements.

Completed 100% design of the WRP 7 – Phase 1 Recycled Water Expansion.

Completed 100% design of the WRP 10 T1 Filter Assessment and Repair.

Completed 100% Lift Station 55-11 Capacity Upgrade (Mecca) design.

Completed 100% offsite design for the Marriott Shadow Ridge Connection.

Engineering Services (Construction Inspection, Development Services, Right-of-Way, Survey, Technical Services)

Processed requests for Field Survey within 3 days of receipt.

Attained a 5-day processing time for Plat Update requests.

FISCAL YEAR 2023-24 GOALS

Stormwater/Irrigation

Continue to achieve a minimum 75% CIP execution rate.

Achieve an average of 5% or less for change orders as a % of the project total.

Achieve a turnaround time of 2 weeks or less for a minimum of 90% of development review letters.

Achieve a turnaround time of 2 weeks or less for a minimum of 90% of new irrigation water service requests.

Maintain an average turnaround time of 3 weeks or less for a minimum of 90% of Riverside County flood management reviews.

Achieve an average turnaround time of 4 weeks or less for a minimum of 90% of developer plan reviews.

Domestic Water/General District

Achieve a minimum 75% CIP execution rate.

Achieve an average of 5% or less for change orders as a % of the project total.

Maintain a turnaround time of 2 weeks or less for a minimum of 90% of development review letters.

Achieve a turnaround time of 4 weeks or less for 90% of hydraulic model requests.

Achieve a turnaround time of 2 weeks or less for a minimum of 90% of fire flow analysis requests.

Maintain a turnaround time of 2 weeks or less for a minimum of 90% of trench review requests.

Continue to process a minimum of 90% of water meter sizing requests within 1 week.

Sanitation/Nonpotable Water/Electrical

Achieve a minimum 75% CIP execution rate.

Achieve an average of 5% or less for change orders as a % of the project total.

Maintain a turnaround time of 2 weeks or less for a minimum of 90% of development review letters.

Achieve a turnaround time of 4 weeks or less for 90% of hydraulic model requests.

Achieve a turnaround time of 3 weeks or less for a minimum of 90% of trench review requests.

Engineering Services (Construction Inspection, Development Services, Right-of-Way, Survey, Technical Services)

Process requests for Field Surveys within 3 days of receipt.

Achieve a turnaround time of 4 weeks or less for 90% of encroachment permits.

Process the release of Performance Guarantee Deposits within 12 weeks of the warranty period ending.

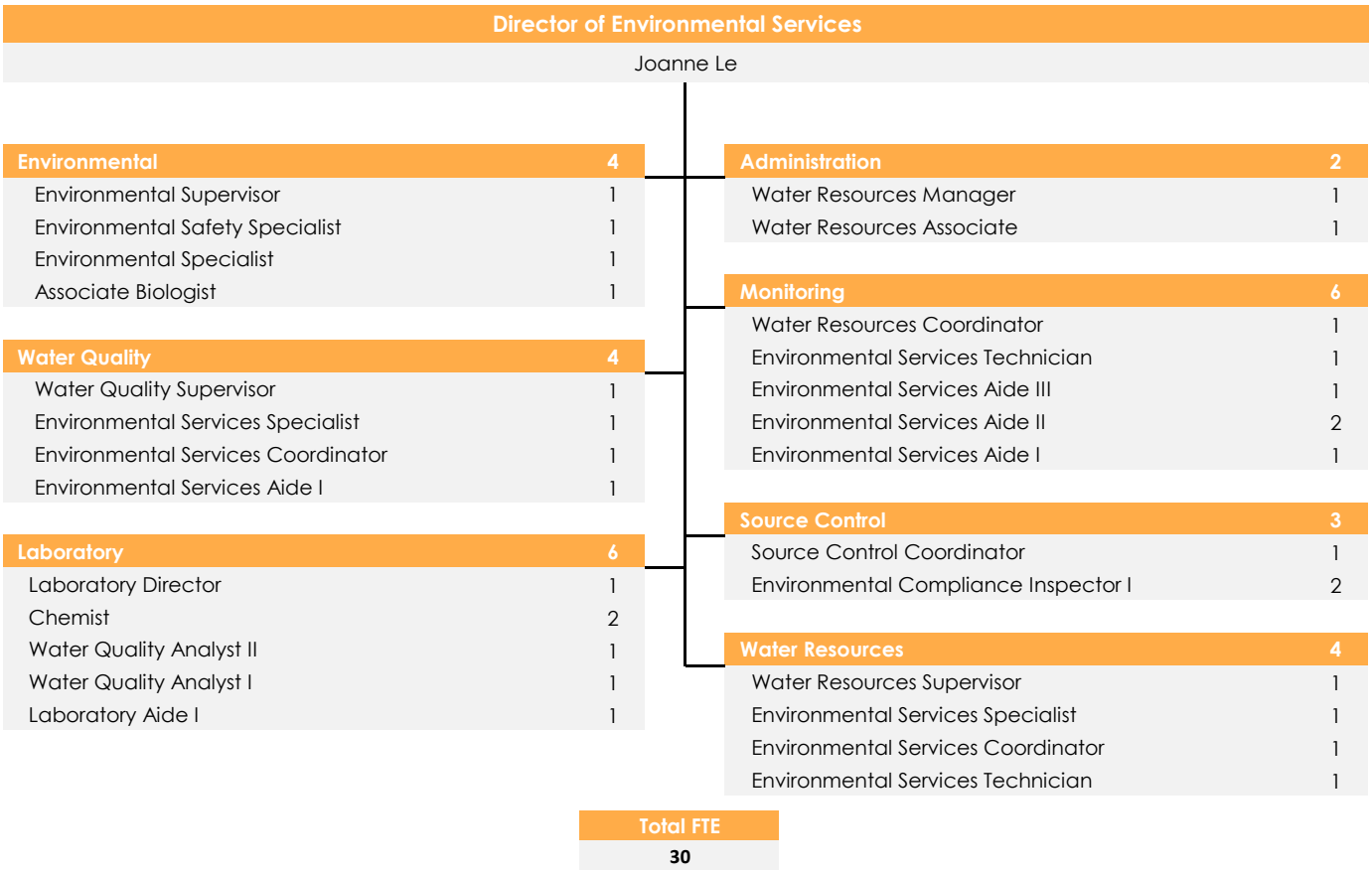
Update the GIS database of assets within 60 calendar days.

Engineering Department	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Expenses by Type						
Salaries and Wages	$ 7,238,531	$ 7,061,037	$ 7,443,535	$ 7,854,778	$ 411,243	5.5%
Employee Benefits	3,943,766	3,725,866	4,444,222	4,652,665	208,443	4.7%
Professional Development	16,906	35,622	67,945	66,645	(1,300)	-1.9%
Professional Services	1,441,006	937,604	1,543,010	1,501,100	(41,910)	-2.7%
Utilities	28,733	26,223	24,014	24,014	-	-
Materials and Supplies	19,800	37,913	47,950	44,450	(3,500)	-7.3%
Motorpool	169,534	177,453	179,547	196,344	16,797	9.4%
Contract Services	262,355	375,636	425,200	395,200	(30,000)	-7.1%
Safety	3,000	2,647	3,360	3,360	-	-
Miscellaneous Expense	22,575	104,513	35,300	407,200	371,900	1053.5%
Capital Outlay	-	7,759	73,109	65,000	(8,109)	-11.1%
Total	**$ 13,146,206**	**$ 12,492,273**	**$ 14,287,192**	**$ 15,210,756**	**$ 923,564**	**6.5%**
Expenses by Division						
Administration	$ 2,120,191	$ 1,966,321	$ 2,082,035	$ 2,177,922	$ 95,887	4.6%
Stormwater	1,565,280	1,059,601	1,275,638	1,109,097	(166,541)	-13.1%
Irrigation	685,110	729,261	951,721	1,031,225	79,504	8.4%
Electric Energy	706,399	726,776	802,886	803,820	934	0.1%
Domestic Water	1,717,970	1,693,823	1,815,071	2,056,664	241,593	13.3%
Sanitation	1,488,797	1,082,829	1,378,423	1,415,875	37,452	2.7%
Right of Way	441,619	596,059	622,274	1,068,903	446,629	71.8%
Survey	1,208,848	1,219,573	1,328,809	1,403,946	75,137	5.7%
Development Services	1,472,384	1,664,192	1,782,401	2,031,178	248,777	14.0%
Inspection	1,739,606	1,753,839	2,247,934	2,112,126	(135,808)	-6.0%
Total	**$ 13,146,206**	**$ 12,492,273**	**$ 14,287,192**	**$ 15,210,756**	**$ 923,564**	**6.5%**
Expenses by Fund						
Domestic Water	$ 3,691,063	$ 3,845,025	$ 4,232,942	$ 4,274,835	$ 41,893	1.0%
Canal Water	1,366,106	1,343,068	2,005,276	2,093,735	88,459	4.4%
West Whitewater Replenishment	398,857	491,272	846,811	1,229,885	383,074	45.2%
Mission Creek Replenishment	61,881	64,347	68,987	77,313	8,326	12.1%
East Whitewater Replenishment	502,178	377,945	82,108	158,681	76,573	93.3%
Sanitation	4,177,300	3,854,502	4,274,737	4,486,666	211,929	5.0%
Stormwater Fund	2,948,821	2,516,114	2,776,331	2,889,641	113,310	4.1%
Total	**$ 13,146,206**	**$ 12,492,273**	**$ 14,287,192**	**$ 15,210,756**	**$ 923,564**	**6.5%**

* *Unaudited*

ENVIRONMENTAL SERVICES





DEPARTMENT DESCRIPTION

The Environmental Services Department is organized into seven divisions that develop and implement programs to comply with local, state, and federal regulations protecting water quality and environmental resources.

Mission

Providing professional environmental services that protect water quality and availability, achieve sustainable groundwater supplies, provide sound environmental compliance, and natural resources protection.

Core Values

- Exceptional customer service
- Efficient business practices
- Cost effective, sustainable, reliable solutions
- Collaboration
- Comprehensive communication
- Commitment
- Accountability
- Integrity

DIVISION DESCRIPTIONS

Environmental Services' primary responsibilities include water quality, groundwater replenishment monitoring and reporting, biological resource management, environmental assessments and permitting, water management planning, and advocating for water quality and environmental regulations based on good science, with particular focus on the following functions and activities:

Administration

Responsible for water resource planning, including:

- Compliance with the Sustainable Groundwater Management Act (SGMA), including monitoring, reporting, and periodic evaluations and updates of the Indio Subbasin Alternative Plan and Mission Creek Subbasin Alternative Plan.
- Regional Urban Water Management Plan.
- Integrated Regional Water Management/Stormwater Resources (IRWM / SWR) Plan.
- Coachella Valley Salt and Nutrient Management Plan (SNMP) monitoring and plan updates.
- Other water resources planning and monitoring activities requiring coordination with various partner agencies, tribes, and local stakeholders.

Environmental

Ensures District projects and activities are evaluated and comply with local, state, and federal environmental protection requirements such as National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA), the Coachella Valley Multiple Species Habitat Conservation Plan (CVMSHCP), and other applicable regulations and guidelines.

Oversees the biological and cultural resource surveys used to assess project impacts.

Analyzes CVWD projects for avoidance, minimization, and mitigation of environmental impacts.

Develops and implements compliance plans and mitigation monitoring plans for CVWD projects.

Coordinates mitigation requirements and compliance work for project habitat conservation and monitoring plans.

Ensures CVWD facilities, equipment, and operations are permitted according to State guidelines, including:

- Backup power generators (air quality).
- CVWD staff training and employee safety (environmental safety).
- Materials storage, disposal, and risk management (hazardous waste).
- Storm Channel maintenance (biological/hydrological).

Works with regulatory agency staff to obtain and satisfy Clean Water Act permits for District facilities and covered activities.

Participates in environmental and biological workgroups and committees focusing on regional environmental challenges (i.e., Salton Sea, Dos Palmas).

Works with outside departments to develop and implement CVWD's Climate Adaption and Action Plan.

Water Quality

Develops water quality monitoring programs for the District's domestic water, wastewater, recycled water, irrigation/drainage, and regional stormwater protection services and implements reporting programs for the same.

Evaluate proposed regulations.

Surveys and tests new water treatment technologies.

Works with regulators and the regulated water community to develop reasonable, beneficial, cost-effective water quality regulations.

Provides customer service related to water quality, including customer requests for information and assistance.

Laboratory

Maintains a state-certified laboratory to perform timely and high-quality sample analysis and reporting needed to determine compliance with water quality regulations.

Implements a Laboratory Information Management System (LIMS) needed to meet state and federal electronic reporting requirements and provides an effective data storage system for performing water quality evaluations.

Provides laboratory analytical services to regulatory agencies (such as Riverside County Department of Environmental Health), State Small Systems, and private well owners.

Reports drinking water compliance data to State Water Board.

Trains District staff to perform sample collection and water quality analyses.

Monitoring

Implements water-quality monitoring programs for District domestic water, wastewater, recycled water, irrigation/drainage, and regional stormwater protection services.

Performs sample collection services supporting water replenishment.

Performs field sampling and analysis at District facilities, including domestic water and wastewater treatment plants.

Provides field customer service related to water quality, including customer residence visits, assistance, and information.

Monitors water levels in wells throughout the Coachella Valley to produce reports needed to evaluate water supply conditions and make water management decisions.

Source Control

Evaluates, inspects, and permits commercial use of District wastewater collection and treatment facilities.

Develops and implements programs that enforce sanitation regulations protecting District wastewater collection and treatment facilities.

Evaluate proposed wastewater discharges and support the Sanitation Capacity Charges (SCC) assessment.

Water Resources

Develops, implements, monitors, and reports District groundwater Replenishment Assessment Charge (RAC) Program.

Works with private well operators to locate and inventory water wells to measure and report groundwater production as part of the District's RAC Program.

Oversees and reports on the District's water rights to the State Water Resources Control Board.

Implements the District's program to prevent unauthorized discharges to the agricultural drainage system in compliance with the Drainage System Rules and Regulations.

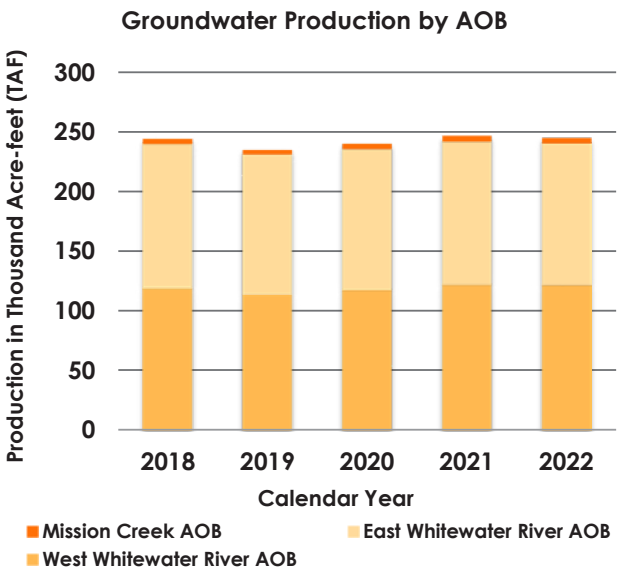
Coordinates the District's work to assist the Coachella Valley Irrigated Lands Coalition (CVILC) to comply with

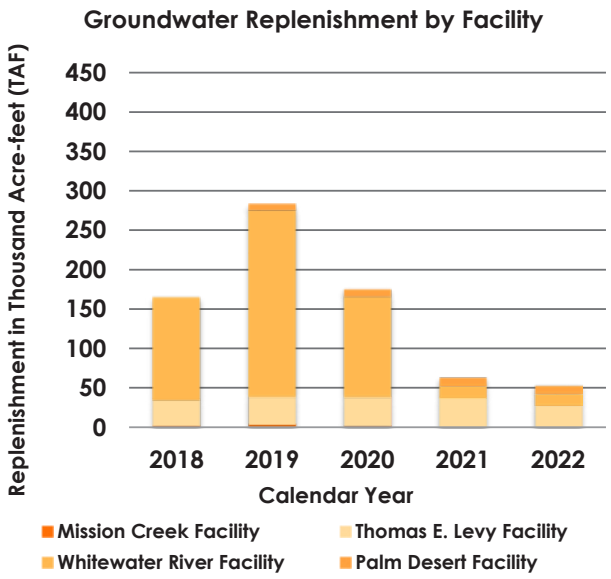
General Waste Discharge Requirements from Agricultural Lands.

Administers the Artesian Well Rebate Program, State Well Numbering Program, and Agricultural Drain Flow Monitoring Program.

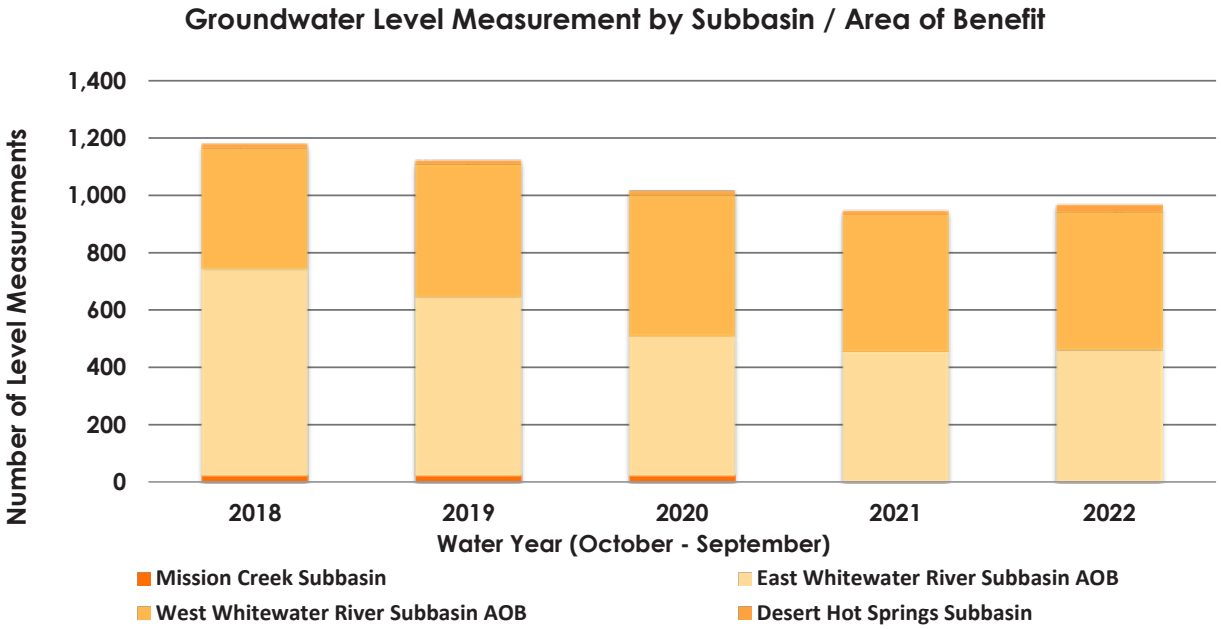
Environmental Services Metrics

Environmental Services' metrics are reflected in calendar year (CY) versus fiscal year (FY) due to existing state reporting requirements. The first graph shows the last five years of groundwater production for the three CVWD Areas of Benefit (AOB), while the second graph depicts water delivered to each replenishment facility.

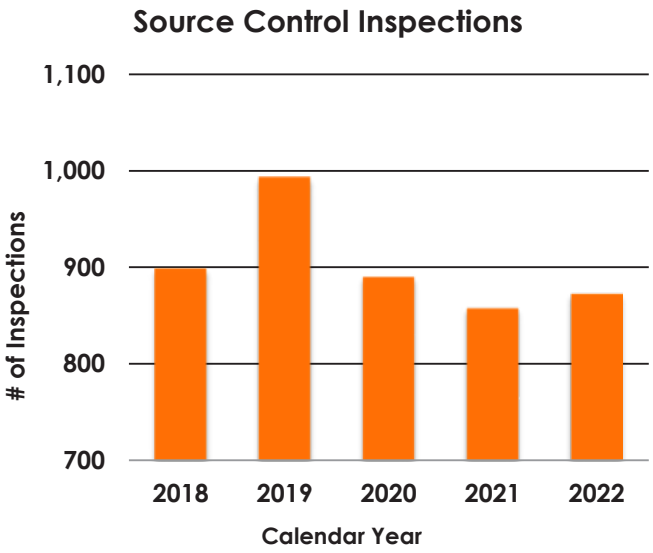


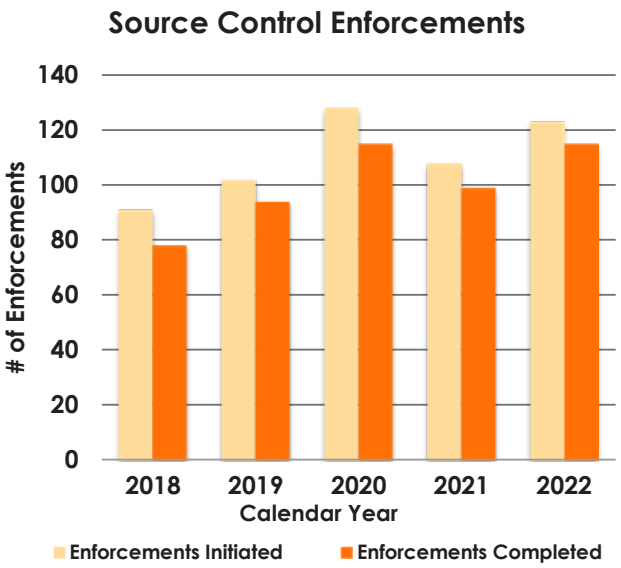


The following graph shows water level measurements for each subbasin in the Coachella Valley over the last five years. Starting in 2019, water level measurements are reported based on the Water Year (October 1st to September 30th) as required for annual SGMA reporting.



The following graphs reflect the Source Control metrics for inspections and enforcements for the past five calendar years.





Environmental Services Workload Measures	CY 2018	CY 2019	CY 2020	CY 2021	CY 2022
Environmental					
Greenhouse Gas Emissions (metric tons)	65,234	61,825	61,405	60,030	58,480
Water Quality					
Taste/Odor Complaints	35	15	10	17	17
Appearance Complaints	6	27	15	29	16
Health Concern Complaints	10	3	2	8	14
Total Complaints	51	45	27	54	47
Drinking Water Compliance Rate - Days in Compliance	100%	100%	100%	100%	100%
Laboratory					
Proficiency Testing Performance	100%	100%	100%	96%	99%
# Total Analyses Completed	14,141	10,583	11,412	13,354	11,475
# of Drinking Water Compliance Analyses Reported Electronically to State			963	1,702	937
# of Analyses Completed for Laboratory Analytical Services Customers			401	526	622
Source Control					
Commercial Sites Inspected	899	993	890	858	873
% of Sites Out of Compliance	10%	10%	10%	13%	6%
% of Sites Returned to Compliance	86%	92%	90%	92%	93%
Water Resource					
Short-Term Water Supply Adequacy	100%	100%	100%	100%	100%
Long-Term Water Supply Adequacy	100%	100%	100%	100%	100%
Monitoring					
Total Coliform Rule Samples Collected	-	2,279	2,204	2,088	1,949
Title 22 Bacteriological Well Samples Collected	-	378	384	392	391
Water Level Readings Performed	-	1,119	1,017	972	993

FISCAL YEAR 2022-23 ACCOMPLISHMENTS

Administration

CVWD participated in the Coachella Valley Regional Water Management Group, which secured awards totaling over $12 million in fiscal year 2022-23 to support local water resources and conservation programs.

Submitted the Indio Subbasin and Mission Creek Subbasin Annual Reports for Water Year 2021-22 to comply with SGMA requirements.

Continued collaborative work with other participating agencies to implement the Development Work Plan to update the Coachella Valley SNMP, including convening the Technical Advisory Committee, establishing quarterly check-in meetings with the Regional Water Board, hosting the first stakeholder workshop, and securing $200,000 in funding to help develop the Mission Creek Subbasin groundwater quality model.

Continued collaborative work with other participating agencies to successfully implement the Coachella Valley SNMP Groundwater Monitoring Workplan for year two of triennial monitoring and to fill monitoring data gaps identified in the Workplan.

Environmental

Completed an environmental review for the Whitewater Groundwater Replenishment Facility Project.

Completed an environmental review for the Sanitation Master Plan Update.

Completed an environmental review for the Thousand Palms Flood Control Project.

Completed an environmental review for the North Cathedral City Improvements Project.

Completed environmental review for the Mid Canal Storage Project.

Completed oversight of hazardous waste remediation for the IXTP 7991 Improvement Project.

Completed an addendum environmental review for the Valley View Domestic Water Consolidation Project.

Completed cultural resource mitigation monitoring oversight for the East Side Dike Project.

Completed an environmental review for the East Side Dike Realignment Project.

Obtained Clean Water Act permits for constructing the Reservoirs 4711-3 and 4711-4 Project.

Implemented portions of CVWD's Climate Adaption and Action Plan guidance document.

Maintained applicable permitting for air quality compliance on CVWD facilities and equipment.

Maintained applicable permitting for hazardous materials compliance on CVWD facilities.

Attended Habitat Plan Resource Management Unit Committee and Biological Workgroup meetings.

Water Quality

Completed 2022 annual report of systems and consumer confidence report.

Completed public hearing for 2022 Public Health Goal (PHG) Report.

Completed annual Environmental Protection Agency Sludge Report.

Completed annual Municipal Separate Storm Sewer System (MS4) Stormwater Report.

Completed response to WRP 4 NPDES permit renewal.

Completed Lead and Copper Monitoring compliance reports and customer notifications for Improvement District 8 Public Water System.

Completed five Standard Operating Procedures for water quality staff.

Laboratory

Completed simulated distribution system bench study using stannous chloride addition for chromium-6 reduction for Cove Public Water System (PWS).

Completed testing the newest laboratory information management system (LIMS) with added CVWD customizations.

Completed training of new laboratory staff positions as a result of 1 chemist's retirement in 2022.

Monitoring

Completed trimester water level monitoring in wells throughout the Coachella Valley.

Collected all required samples to maintain compliance with CVWD Domestic and Sanitation permits.

Source Control

Completed process for ensuring compliance with data reporting requirements for cooling tower dischargers.

Completed coordination with Desert Water Agency (DWA) to ensure that their program requirements for cannabis industry businesses and cooling towers within the area flowing to Water Reclamation Plant 10 comply with CVWD sanitation service regulations.

Contacted local agencies conducting plan check activities for facilities within the CVWD sanitation service area to help integrate CVWD requirements into their processes and improve interagency communication.

Water Resources

Completed the annual Water Supply and Replenishment Assessment Report for CVWD's three Areas of Benefit.

Completed pending and new groundwater production audits within the groundwater management areas.

FISCAL YEAR 2023-24 GOALS

Administration

Participate in the Coachella Valley Regional Water Management Group with planning partners to secure grant funding for projects and programs that benefit the Coachella Valley Integrated Regional Water Management Region.

Submit the Indio Subbasin and Mission Creek Subbasin Annual Reports for Water Year 2022-23 to comply with requirements of SGMA. Coordinate responses to comments received from the Department of Water Resources (DWR) on the 2022 Alternative Plan Updates.

Work collaboratively with other participating agencies, regional Water Board, and stakeholders to continue implementing the Salt and Nutrient Management Plan (SNMP) Development Work Plan to update the Coachella Valley SNMP.

Work collaboratively with other participating agencies and tribes to implement the Coachella Valley SNMP Groundwater Monitoring Workplan for year three of triennial monitoring and continue filling monitoring data gaps identified in the Workplan.

Complete the Agricultural Drainage Flow Study identified in the 2022 Indio Subbasin Alternative Plan Update to refine subbasin characterization and address recommendations in the DWR staff report.

Initiate implementing a new groundwater data management system (DMS) to replace iSeries, improve groundwater data management and reporting, and better align with SGMA DMS requirements

Environmental

Complete a draft environmental review for the WRP-4 Nonpotable Water Improvements project.

Obtain Clean Water Act permits for constructing the Thousand Palms Flood Control Project.

Complete environmental review for the Thousand Palms Channel Project.

Obtain Clean Water Act permits for constructing the North Cathedral City Flood Control Project.

Implement mitigation monitoring for the Whitewater Groundwater Replenishment Facility Lease Renewal.

Complete a second environmental review Addendum for the Valley View Domestic Water Consolidation Project.

Complete an environmental review for the WRP-7 Nonpotable Water Expansion Project.

Complete an environmental review for the Peirce Street Sewer and Water Project.

Complete an environmental review for the Avenue 76 Water Consolidation Project.

Obtain Clean Water Act permits for constructing the Palm Desert Groundwater Replenishment Facility Phase 2 Project.

Obtain Clean Water Act permits for the Cook Street Slope Lining Project.

Provide environmental services to obtain resource agency work plan approval for created habitat projects for CVWD's permittee responsibility in the Coachella Valley Multiple Species Habitat Conservation Plan.

Maintain applicable permitting for air quality compliance on CVWD facilities and equipment.

Maintain applicable permitting for hazardous materials compliance on CVWD facilities.

Update CVWD's Guidelines for implementing the California Environmental Quality Act.

Implement capital project Habitat Mitigation Monitoring Plans and Nesting Bird Management Plans.

Attend Habitat Plan Resource Management Unit Committee and Biological Workgroup meetings.

Develop CVWD Strategic Plan Goal 2.2: Mitigation Credit for CVWD Infrastructure Projects.

Water Quality

Complete the 2023 annual report of systems and consumer confidence report.

Complete the annual Environmental Protection Agency Sludge Report.

Complete the annual Municipal Separate Storm Sewer System (MS4) Stormwater Report.

Complete comments for proposed MS4 National Pollutant Discharge Elimination System (NPDES) permit changes.

Complete five Standard Operating Procedures for water quality staff.

Laboratory

Update 12 fields of accreditation in the laboratory's current certification per US EPA's 2021 Methods Update Rule.

Implement 2016 The Nelac Institute (TNI) standards per the State Board's ELAP regulations.

Renew the laboratory's ELAP certification.

Purchase Inductively Coupled Plasma Mass Spectrometry (ICP-MS) instrument to meet lower regulatory detection levels for reporting for trace metals analyses.

Monitoring

Collect all required samples to maintain compliance with CVWD Domestic and Sanitation permits.

Complete trimester water level monitoring in wells throughout the Coachella Valley.

Implement Phase 4: Long-Term Monitoring of Improvement District 11 Public Water System Integration Monitoring Plan.

Finalize the second year of Salt and Nutrient Management Plan Groundwater Monitoring Program Workplan sampling.

Source Control

Complete Standard Operating Procedures for each field equipment/instrumentation used by Source Control Staff and continue to provide monitoring support to other Departments.

Coordinate and collaborate with Collections/Sanitation on this year's sectional audits of the Sanitary Sewer Management Plan (SSMP) pertaining to Source Control.

Continue implementing the Cooling Tower permitting and reporting program.

Water Resources

Complete the annual Water Supply and Replenishment Assessment Report for the Groundwater Replenishment Areas of Benefit by May 1, 2024.

Complete pending and new groundwater production audits within the groundwater management areas.

Environmental Services Department	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Expenses by Type						
Salaries and Wages	$ 2,824,311	$ 3,233,510	$ 3,142,761	$ 3,468,701	$ 325,940	10.4%
Employee Benefits	1,678,776	1,671,968	1,909,835	2,082,057	172,222	9.0%
Professional Development	77,813	73,304	116,495	116,900	405	0.3%
Professional Services	1,332,833	978,703	1,565,000	1,305,000	(260,000)	-16.6%
Utilities	13,628	10,865	13,413	13,660	247	1.8%
Materials and Supplies	183,650	223,890	226,900	231,550	4,650	2.0%
Motorpool	124,876	122,740	118,338	124,214	5,876	5.0%
Contract Services	355,054	604,644	681,127	625,228	(55,899)	-8.2%
Safety	4,698	4,770	5,100	5,250	150	2.9%
Miscellaneous Expense	1,771,357	1,975,967	1,902,600	2,055,310	152,710	8.0%
Capital Outlay	-	-	-	300,000	300,000	-
Total	**$ 8,366,996**	**$ 8,900,361**	**$ 9,681,569**	**$ 10,327,870**	**$ 646,301**	**6.7%**
Expenses by Division						
Administration	$ 1,603,742	$ 1,755,124	$ 1,777,594	$ 1,938,411	$ 160,817	9.0%
Source Control	432,241	471,002	458,821	515,603	56,782	12.4%
Environmental	664,332	929,793	997,895	907,212	(90,683)	-9.1%
Water Resources	2,233,658	2,273,430	2,689,627	2,612,130	(77,497)	-2.9%
Monitoring	868,681	886,034	932,249	1,052,989	120,740	13.0%
Water Quality	1,424,496	1,487,675	1,600,210	1,666,880	66,670	4.2%
Laboratory	1,139,845	1,097,303	1,225,173	1,634,645	409,472	33.4%
Total	**$ 8,366,996**	**$ 8,900,361**	**$ 9,681,569**	**$ 10,327,870**	**$ 646,301**	**6.7%**
Expenses by Fund						
Domestic Water	$ 2,674,820	$ 2,383,216	$ 2,800,842	$ 2,902,080	$ 101,238	3.6%
Canal Water	1,447,145	1,557,359	1,634,676	1,686,189	51,513	3.2%
West Whitewater Replenishment	548,149	892,597	1,062,644	1,173,683	111,039	10.4%
Mission Creek Replenishment	405,384	307,641	357,992	399,568	41,576	11.6%
East Whitewater Replenishment	461,077	831,839	899,368	1,019,758	120,390	13.4%
Sanitation	2,340,295	2,400,058	2,330,384	2,501,025	170,641	7.3%
Stormwater Fund	484,176	519,659	587,079	636,369	49,290	8.4%
Motor Pool Fund	5,950	7,992	8,584	9,198	614	7.2%
Total	**$ 8,366,996**	**$ 8,900,361**	**$ 9,681,569**	**$ 10,327,870**	**$ 646,301**	**6.7%**

* *Unaudited*

FINANCE



Director of Finance
Rick Aragon

Accounting	10
Controller	1
Accounting Supervisor	1
Accountant	2
Accounting Technician II	4
Accounting Technician I	2

Budget and Financing	5
Finance Manager	1
Financial Analyst III	1
Financial Analyst II	2
Financial Analyst I	1

Administration	1
Administrative Assistant I	1

Procurement & Contracts / Warehouse	12
Procurement & Contracts Manager	1
Contracts Administrator	1
Purchasing Technician I	3
Warehouse Supervisor	1
Senior Storekeeper (Lead)	1
Storekeeper	4
Accounting Technician I	1

Total FTE
29

DEPARTMENT DESCRIPTION

The Finance Department keeps fiscal responsibility at the forefront of all we do and is committed to managing the financial affairs of the District in accordance with the highest standards of ethical and professional conduct.

Mission

Uphold Trust – Through excellence, integrity, and transparency.

Enable Others – Through helpful service and information.

Prudently Manage – Through diligence, with efficiency, and as experts in our field.



Water Reclamation Plant 10

DIVISION DESCRIPTIONS

Each division's primary focus is on the following functions and activities:

Accounting

Prepares monthly and annual financial reports, including the preparation of the Annual Comprehensive Financial Report.

Maintains the general ledger, including account and subsidiary ledger reconciliations.

Manages transactional accounting, financial analysis, and reporting, including payroll preparation and reporting, accounts payable and receivable functions, grant accounting, cash and investments reporting, and cash management.

Ensures that the District meets all Internal Revenue Service, federal, and state agency reporting requirements.

Administers fiscal controls and policies, including monitoring internal controls over all financial transactions.

Budget & Financing

Coordinates, develops, and monitors the District's annual operating and capital improvement budgets, along with preparing and monitoring the five-year forecast.

Develops financial analysis, revenue forecasts, and rates for the Domestic Water, Canal Water, Sanitation, Stormwater, and Replenishment Funds.

Maintains, reconciles, and reports on Capital Improvement Projects (CIP) and Non-CIP Projects.

Develops financial funding plans to support long-term needs.

Administers grant programs, prepares applications, coordinates compliance with other departments and other agencies, and prepares necessary reports.

Administers debt issuance and management programs and post-issuance compliance, prepares applications, coordinates reporting requirements with other departments and other agencies, and prepares necessary reports.

Develops and coordinates the cost of service study process to ensure appropriate rates are set for services.

Oversees special assessment district administration.

Procurement, Contracts, & Warehouse

Assists District personnel in acquiring required goods, services, equipment, and supplies from reliable sources following the District's Procurement Policy.

Ensures a competitive process by publicly soliciting formal bids and requests for proposals for the District.

Receives and inspects goods, equipment, and supplies ordered by District personnel.

Responsible for inventory controls to ensure supplies are available and ready when needed by District personnel.

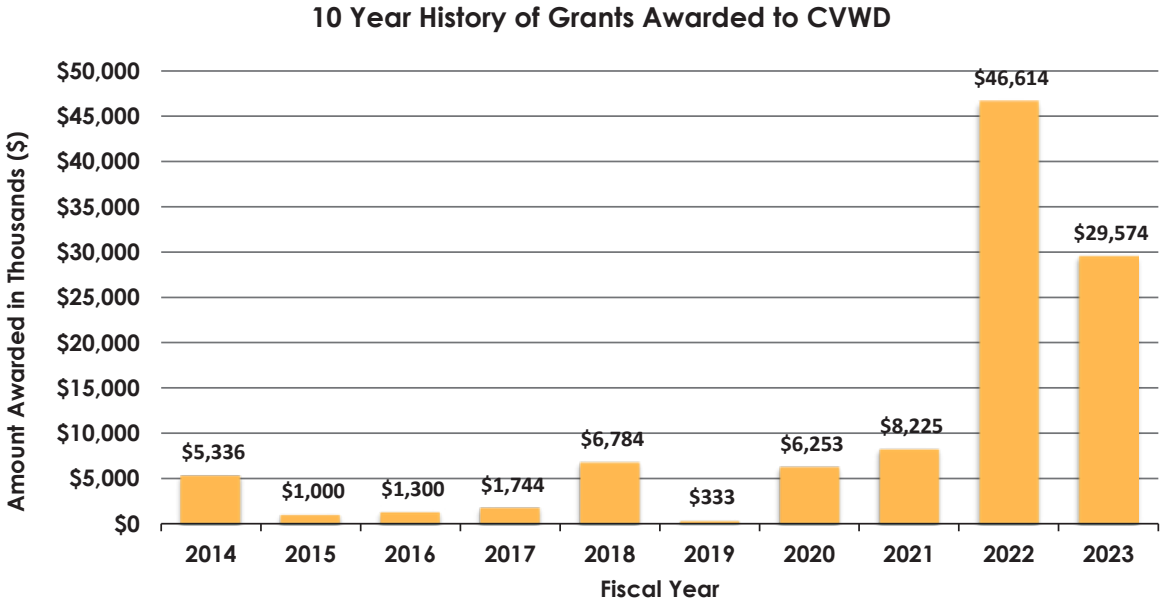
Provides mail delivery between CVWD offices in Coachella and Palm Desert, records retrieval, inventory, and lab sample delivery.

Finance Workload Measures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Financial Reporting and Analysis					
Complete Cost of Service Studies	-	-	5 of 5	1 of 1	-
Produce Distinguished Budget Document within Deadline Established by GFOA	Yes	Yes	Yes	Yes	Yes
Produce Budget in Brief Document within 90 days of Board Adoption	Yes	Yes	Yes	Yes	Yes
Produce Annual Comprehensive Financial Report by December 31	Yes	Yes	Yes	Yes	Expected
Have Financial Policies and Procedures Available	Yes	Yes	Yes	Yes	Yes
Audit Financial Results and Internal Controls	Yes	Yes	Yes	Yes	Yes
Correct Control Deficiencies and Material Weaknesses from Previous Audits	-	-	-	-	-
Maintain Rate Stabilization Reserves to Sustain Operations During Revenue Fluctuations, in Addition to 60 or 90 Days of Operating Reserves	Yes	Yes	Yes	Yes	Yes
Cash Management					
Average CAMP Interest Rate (%) *	-	-	-	-	5.04%
Average LAIF Interest Rate (%) *	-	-	-	-	2.93%
Average TPIF Interest Rate (%)	2.17%	1.82%	0.46%	0.41%	2.50%
Average Rate of Return on Investments (%)	2.32%	2.44%	1.61%	1.00%	1.53%
Average Investment Portfolio	$ 464,397,191	$ 417,625,455	$ 379,063,398	$ 391,958,730	$ 508,933,631
Billing, Collections, and Disbursement					
Average Accounts Receivable	$ 1,721,895	$ 2,054,669	$ 3,600,775	$ 4,801,972	$ 5,347,540
Payroll	$ 50,553,927	$ 53,030,712	$ 54,894,661	$ 56,742,194	$ 59,950,051
Amount Paid Through Accounts Payable	$ 169,973,249	$ 191,159,794	$ 165,654,680	$ 219,367,497	$ 244,913,988
Amount Paid Through Wire Transfers	$ 60,803,390	$ 112,398,362	$ 109,669,977	$ 98,966,217	$ 70,201,505
Number of Accounts Payable Checks & EFTs	11,750	5,926	7,361	9,552	9,538
Number of Purchasing Card Transactions	11,053	9,793	9,234	8,679	9,121
Procurement & Contracts					
Amount of Inventory Received	$ 7,462,983	$ 7,479,171	$ 7,247,573	$ 11,837,561	$ 10,902,025
Amount of Inventory Issued	$ 7,344,453	$ 7,016,099	$ 7,393,881	$ 9,288,824	$ 10,752,574
Incoming Warehouse Transactions	21,379	18,053	17,198	14,406	13,681
Outgoing Warehouse Transactions	97,792	93,636	98,040	89,001	92,940
Number of Competitive Bids and Quotes	371	277	350	334	307
Number of Purchase Orders Issued	3,795	3,249	3,333	3,112	3,041

** California Asset Management Program (CAMP) and Local Agency Investment Fund (LAIF) portfolios added in February 2023*

The graph below depicts the District's grant awards over the past ten years.



FISCAL YEAR 2022-23 ACCOMPLISHMENTS

Accounting

Obtained an Unqualified "Clean" opinion for the fiscal year 2022 audit.

Received GFOA Certificate of Achievement for Excellence in Financial Reporting for the Annual Comprehensive Financial Report for the year ended June 30, 2022.

Published and revised the monthly financial report, allowing other departments to run it at any time.

Budget & Financing

Updated required rate increase requirement and received approval from the Board for Domestic and Sanitation rate increases at or below previously noticed rate increases in order to meet the rising cost of inflation, new debt service, and cost of capital projects while minimizing impacts on customers.

Proposed and received Board approval for an updated investment policy allowing for the ability to buy certain safe securities with maturities of up to 10 years to help better diversify the portfolio and allow the ability to lock in attractive longer-term rates.

Developed and implemented a new CalPERS Unfunded Liability funding strategy that would reduce total payments by approximately 10 years for a $36 million total savings and keep payments steady based on current levels, as adjusted by annual payroll growth.

Implemented plan to begin reimbursing OPEB retiree healthcare costs for a $1 million a year annual savings due to the OPEB trust obtaining fully funded status.

Received the GFOA Distinguished Budget Award for fiscal year beginning July 1, 2022.

Secured $3.45 million in federal funding for the Valley View water consolidation project.

Completed a $60.9 million loan agreement with USBR to fund irrigation lateral projects within the Canal fund.

Completed a $7.5 million loan agreement with USBR to fund the mid-canal storage project in partnership with the San Diego County Water District and San Luis Rey Indian Water Authority.

Submitted the application for $26.9 million in funding from the SWRCB for the 2023/2024 nonpotable water improvements and connection project.

Awarded $12.3 million in Title XVI Water Infrastructure Improvements for the Nation Act (WIIN) funding for water reclamation and reuse projects in the Sanitation fund.

Procurement, Contracts, & Warehouse

Received Board approval for updated authorization limits and competitive procurement thresholds in the Procurement Policy.

FISCAL YEAR 2023-24 GOALS

Strategic Plan

SG 6.14 Develop and implement a comprehensive plan to ensure financial adequacy.

Accounting

Develop a new comprehensive multi-year cash forecasting model to inform investing and financing decisions.

Issue an RFP for the replacement/upgrade of the District's financial Enterprise Resource Planning (ERP) and Utility Billing (UB) systems.

Obtain an Unqualified "Clean" opinion for the fiscal year 2023 audit.

Prepare and publish an Annual Comprehensive Financial Report and receive a GFOA Certificate of Achievement for Excellence in Financial Reporting.

Prepare and submit the State Controller's Annual Transaction Report and Annual Compensation Report.

Budget & Financing

Prepare and publish the fiscal year 2024 Operating and Capital Budget, including a budget in brief document, and receive a GFOA Distinguished Budget Presentation Award.

Develop a comprehensive financial model for each fund to determine future financing needs and priorities to ensure financial adequacy.

Develop additional tools for enhanced grant tracking, forecasting, and monitoring to support District departments proactively.

Prepare and submit required grant reports on a quarterly and semi-annual basis.

Compliance monitoring and timely filing of reports and all required disclosures related to debt.

Review and update the Budget, Grant, and Debt policy documents.

Procurement, Contracts, & Warehouse

Provide comprehensive review and update of the Procurement Policy based on industry best practices.

Determine and implement new inventory purchasing thresholds to ensure adequate supplies of hard-to-fill or long lead time items.

Perform a comprehensive inventory review for deadstock and complete the disposal method with the highest value to the District.

Finance Department	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Expenses by Type						
Salaries and Wages	$ 2,786,131	$ 2,891,082	$ 3,184,594	$ 3,248,665	$ 64,071	2.0%
Employee Benefits	1,648,254	1,460,500	1,921,632	1,985,847	64,215	3.3%
Outside Labor	45,178	173,281	18,000	20,000	2,000	11.1%
Professional Development	13,171	23,963	28,190	32,900	4,710	16.7%
Professional Services	946,065	922,603	1,329,035	1,001,000	(328,035)	-24.7%
Utilities	4,003	3,138	3,200	4,700	1,500	46.9%
Materials and Supplies	30,763	47,809	33,600	28,100	(5,500)	-16.4%
Motorpool	68,966	49,073	47,181	55,115	7,934	16.8%
Contract Services	83,590	58,378	125,100	60,800	(64,300)	-51.4%
Safety	1,915	1,985	2,100	-	(2,100)	-100.0%
Miscellaneous Expense	11,265	17,696	16,700	17,000	300	1.8%
Total	**$ 5,639,299**	**$ 5,649,508**	**$ 6,709,332**	**$ 6,454,127**	**$ (255,205)**	**-3.8%**
Expenses by Division						
Administration	$ 1,168,232	$ 1,159,498	$ 1,072,555	$ 711,106	$ (361,449)	-33.7%
Budget and Financing	-	-	-	1,699,509	1,699,509	-
Accounting	2,612,441	2,556,717	3,691,308	1,987,027	(1,704,281)	-46.2%
Purchasing	857,794	906,318	955,535	1,038,238	82,703	8.7%
Warehouse	1,000,833	1,026,975	989,934	1,018,247	28,313	2.9%
Total	**$ 5,639,299**	**$ 5,649,508**	**$ 6,709,332**	**$ 6,454,127**	**$ (255,205)**	**-3.8%**
Expenses by Fund						
Domestic Water	$ 2,004,611	$ 1,978,348	$ 2,310,018	$ 2,207,587	$ (102,431)	-4.4%
Canal Water	858,426	845,627	1,167,608	1,015,788	(151,820)	-13.0%
West Whitewater Replenishment	354,873	436,473	430,746	418,343	(12,403)	-2.9%
Mission Creek Replenishment	23,075	18,472	33,453	26,494	(6,959)	-20.8%
East Whitewater Replenishment	180,822	258,100	227,384	283,010	55,626	24.5%
State Water Project	6,669	14,292	-	67,377	67,377	-
Sanitation	1,247,385	1,099,032	1,476,426	1,390,395	(86,031)	-5.8%
Stormwater Fund	644,185	713,697	757,547	740,651	(16,896)	-2.2%
Motor Pool Fund	315,857	285,338	305,953	304,482	(1,471)	-0.5%
Worker's Compensation	2,619	164	131	-	(131)	-100.0%
Self Insurance Dental	777	(36)	66	-	(66)	-100.0%
Total	**$ 5,639,299**	**$ 5,649,508**	**$ 6,709,332**	**$ 6,454,127**	**$ (255,205)**	**-3.8%**

** Unaudited*



CVWD Heavy Equipment Operator

HUMAN RESOURCES



Director of Human Resources
Scott Hunter

Human Resources	5.5
Human Resources Administrator	1
Sr. Human Resources Specialist	2
Human Resources Specialist	1
HR Specialist Training and Development	1
Human Resources Office Assistant	0.5

Risk Management	3
Risk and Safety Manager	1
Senior Risk Management Specialist	1
Risk Management Specialist	1

Safety	3
Emergency Response Administrator	1
Safety & Training Assistant	1
Safety & Training Specialist	1

Total FTE
12.5

DEPARTMENT DESCRIPTION

Human Resources provides administrative and operational human resources support to District employees, retirees, directors, and all eligible dependents by providing services in five core areas: human resources, benefits, risk management, safety, and claims.

Mission

The Human Resources department is committed to providing effective customer service to all departments and employees of CVWD. We will actively attract, retain, and develop our workforce to provide quality public service to residents of the Coachella Valley. We believe we are morally obligated to send all employees home healthy and injury-free at the end of every day. We will promote a work environment that encourages professionalism, pride, and respect.

Core Values

- **Integrity** - We will interact among ourselves and with employees honestly and ethically, thereby building relationships based on trust. We will always respect the confidentiality entrusted to us.
- **Respect -** We will exercise patience and sensitivity in dealing with the concerns and problems of others. We will be open-minded and fair in our interactions with employees and one another.
- **Communication -** We will actively seek to understand the perspectives of others by listening with an open mind and communicating honestly and with appropriate discretion.
- **Collaboration and Teamwork -** We will encourage diversity of ideas and experiences and strive to be a trusted strategic partner.
- **Innovation -** We are open to change and are committed to continuous improvement while meeting the needs of the District and workforce. We believe those we serve deserve excellent service and a safe, productive, healthy work environment.

DIVISION DESCRIPTIONS

Human Resources provides a variety of services related to employees, retirees, the Board of Directors, and eligible dependents, with particular focus on the following functions and activities:

Human Resources

Develop district workforce to empower employees to provide quality services to their customers.

Streamlines processes related to facilitating and managing employees in compliance with federal and state laws and current Memorandum of Understanding (MOU) guidelines through:

- Recruitment
- Development and training
- Competitive rewards and compensation packages
- Negotiating MOUs with District bargaining units

Administers the mandatory and voluntary health and welfare benefits for employees, retirees, the Board of Directors, and their eligible dependents, including:

- Medical
- Dental
- Vision
- Employee Assistance Program (EAP)
- Supplemental and group term life insurance
- Short and long-term disability
- Consolidated Omnibus Budget Reconciliation Act (COBRA), medical and dependent care
- Flexible spending accounts (FSA)
- Wellness program
- 401(a) and 457 deferred compensation plans

Risk Management

Analyzes and evaluates the District's risk management and insurance programs, including, but not limited to:

- Securing insurance to limit the District's exposure to financial risk
- Administering the District's self-insured workers' compensation program
- Administering the District's insured and self-insured property and casualty program, including self-administered claims
- Ensuring contractor insurance compliance

Serves as a consultant to management in a wide range of risk, insurance, and claim matters.

Identifies procedures to avoid or minimize negative fiscal impact to the District.

Claims

Investigates, analyze, evaluate, and resolve internal and external claims involving potential or present damages to person and/or property.

Interprets state and federal law to ensure that claims are handled in accordance with the applicable law.

Protects the Coachella Valley Water District from undue liability and ensures that claims are resolved efficiently and justly.

Safety

Plans, implements, monitors, and evaluates the District's Injury and Illness Prevention Program.

Develops proactive training programs that actively and effectively communicate to employees the District's safety policies and standards as they pertain to California Occupational Safety and Health Administration (Cal/OSHA) compliance.

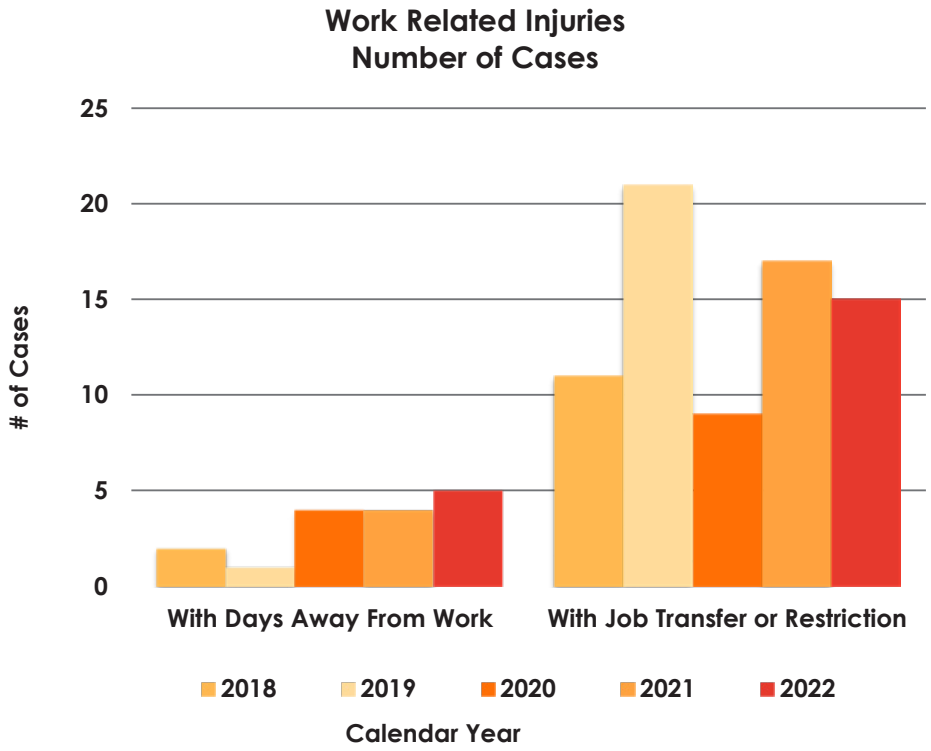
Works in tandem with Risk Management to investigate and report incidents and claims according to federal and state statutes and codes.

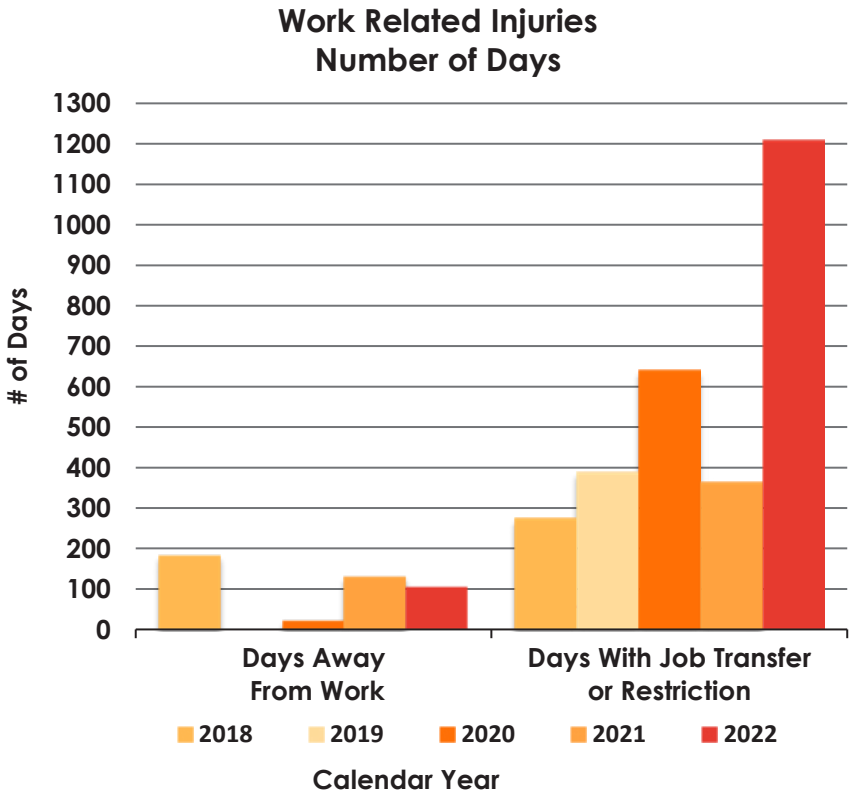
Human Resources Metrics

Human Resources Workload Measures	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Human Resources					
Critical-Skill Positions Filled Internally vs. Outside Recruitment	52.0%	59.0%	55.0%	52.0%	42.0%
Average Days Vacant Due to Staff Departures	51.2	60.6	54.1	46.46	61
Voluntary Departures*	5.9%	6.4%	3.8%	10.8%	9.1%
Retirement Departures	2.2%	4.6%	2.4%	5.6%	3.5%
Turnover Rate	7.0%	7.3%	5.3%	12.9%	9.7%
Experience in Years Lost to Retirement	307	520	374	642	346
Experience in Years Lost to Turnover*	475	593	497	831	476
Certifications Achieved or Maintained	100.0%	100.0%	100.0%	100.0%	100.0%
Risk Management					
Supplemental Workers' Compensation Lost Time Benefit	$3,089	$6,420	$1,766	$8,934	$7,956
Claims					
Total Number General Liability & Auto Insurance Claims Per 200,000 Employee Hours Worked	3.85	4.15	2.7	1.8	1.58
Total Amount of General Liability & Auto Insurance Claims Per 200,000 Employee Hours Worked	$10,904	$10,976	$44,910	$1,777	$2,863
Safety					
Number of days away from work due to work-related injury (Calendar Year)	1	23	62	131	106
Number of days with restrictions or job transfer due to work-related injury (Calendar Year)	388	640	426	364	1,209

* Includes retirements and resignations

The first graph reflects the five-year history of work-related injury cases with days away from work and job transfer or restriction.





The second graph reflects a five-year history of the number of days away from work associated with work-related injuries and the number of days with job transfer or restriction.

Overall, the number of cases with days away from work and actual days away from work are significantly lower than the number of cases with job transfer or restriction or the number of days with job transfer or restriction.

FISCAL YEAR 2022-2023 ACCOMPLISHMENTS

Strategic Plan

SG 5.17 Establish Human Resources Development Program (HRDP): **Completed**

SG 5.18 Administer Comprehensive Class & Compensation Study: **Partially completed**

Human Resources

Negotiated successor MOU with CVWDEA Bargaining Unit.

Provided District-wide Active Shooter Safety Training and associated Protocols for employees.

Developed a Bootcamp Managerial Workshop for new Supervisors/Managers.

Developed a Board Approved Defined Benefit and Compensation Plan for Unrepresented, Confidential, and At-will employees.

Implemented the Vehicle Accident and Incident Prevention Policy.

Risk Management

Completed a Request for Proposal (RFP) for insurance broker services.

Renew Directors and Officers Insurance policy.

Claims

Developed Standard Operating Procedures and Claims Processes relating to External Monetary Claims.

Safety

Established an in-house respirator fit testing program.

Updated and finalized the District's COVID-19 Ongoing Policy in alignment with Cal-OSHA standards.

Procured a safety reports program allowing Safety and Employees to review and submit workplace accidents/incidents, providing streamlined reporting and data analytics.

Secured the services of safety consultants to review existing safety programs.

FISCAL YEAR 2023-24 GOALS

Strategic Plan

SG 1.1 Coordinate Community Outreach for CVWD career opportunities.

SG 5.13 Develop a comprehensive employee training program platform.

Human Resources

Negotiate successor MOU with ASSET Bargaining Unit.

Develop a new District-wide Performance Evaluation to include revised competencies, goals, merit, and pay-for-performance scales.

Implement approved revisions and changes related to the Districtwide Compensation and Classification Study.

Revise and update the CVWD Employee Handbook.

Develop a talent management plan with the Department of Engineering to establish a University Co-Op Program as it relates to Civil Engineers.

Develop an annual Human Resources Development Program calendar for employee training and development opportunities.

Risk Management

Secure a third-party vendor that provides fully insured automobile liability insurance.

Conduct accident and incident report training for supervisors/managers.

Develop and update current Workers' Compensation protocols.

Claims

Procure an external collection agency to assist with outstanding debt collections relating to claims where monies are owed to CVWD.

Safety

Complete two (2) Mock Cal-OSHA audits with the Department of Operations and Facilities & Maintenance.

Develop a comprehensive annual report on Workplace Safety.

Develop an annual Employee Safety Training Calendar.

Human Resources Department	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Expenses by Type						
Salaries and Wages	$ 1,114,199	$ 1,724,738	$ 1,676,930	$ 1,648,527	$ (28,403)	-1.7%
Employee Benefits	635,603	774,976	976,039	964,654	(11,385)	-1.2%
Outside Labor	111,360	17,653	127,000	5,000	(122,000)	-96.1%
Professional Development	172,752	180,030	383,450	409,950	26,500	6.9%
Professional Services	772,258	879,297	1,022,500	1,140,000	117,500	11.5%
Self-Insurance Costs	1,719,847	2,093,700	2,207,109	2,497,735	290,626	13.2%
Utilities	4,391	5,502	6,250	6,250	-	-
Workers' Comp	507,929	239,531	900,000	2,050,000	1,150,000	127.8%
Materials and Supplies	114,195	221,248	174,900	173,650	(1,250)	-0.7%
Motorpool	21,699	10,747	16,916	20,097	3,181	18.8%
Contract Services	55,823	64,572	215,720	20,800	(194,920)	-90.4%
Safety	44,250	28,589	80,000	80,000	-	-
Miscellaneous Expense	2,708,298	2,387,051	3,062,200	1,573,165	(1,489,035)	-48.6%
Total	**$ 7,982,604**	**$ 8,627,633**	**$ 10,849,014**	**$ 10,589,828**	**$ (259,186)**	**-2.4%**
Expenses by Division						
Administration	$ 4,586,756	$ 4,639,837	$ 5,129,180	$ 3,883,067	$ (1,246,113)	-24.3%
Safety	596,100	899,679	1,397,980	993,512	(404,468)	-28.9%
Claims	730,959	692,986	1,598,394	2,708,537	1,110,143	69.5%
Risk Management	2,068,789	2,395,131	2,723,460	3,004,712	281,252	10.3%
Total	**$ 7,982,604**	**$ 8,627,633**	**$ 10,849,014**	**$ 10,589,828**	**$ (259,186)**	**-2.4%**
Expenses by Fund						
Domestic Water	$ 3,187,081	$ 3,589,164	$ 4,799,505	$ 4,702,928	$ (96,577)	-2.0%
Canal Water	842,562	911,743	1,281,462	1,273,408	(8,054)	-0.6%
West Whitewater Replenishment	307,149	265,448	312,616	312,804	188	0.1%
Mission Creek Replenishment	6,369	156	14,143	25,684	11,541	81.6%
East Whitewater Replenishment	161,303	205,557	267,814	245,504	(22,310)	-8.3%
Sanitation	1,976,877	2,166,261	2,776,547	2,663,817	(112,730)	-4.1%
Stormwater Fund	541,025	966,740	1,041,731	1,044,749	3,018	0.3%
Motor Pool Fund	756,988	358,632	99,103	93,175	(5,928)	-6.0%
Worker's Compensation	133,170	163,933	178,181	178,986	805	0.5%
Self Insurance Dental	70,080	-	77,912	48,773	(29,139)	-37.4%
Total	**$ 7,982,604**	**$ 8,627,633**	**$ 10,849,014**	**$ 10,589,828**	**$ (259,186)**	**-2.4%**

* *Unaudited*

INFORMATION SYSTEMS



Director of Information Systems
Luis Maciel

Business Applications	11
Business Applications Manager	1
Information Systems Analyst III	3
Information Systems Analyst II	5
GIS Specialist II	1
GIS Specialist I	1

Network & Systems	6
Network & Systems Manager	1
Information Systems Analyst II	2
Senior Information System Analyst	1
SCADA System Analyst I	1
Information Security Analyst	1

Total FTE
18

DEPARTMENT DESCRIPTION

Information Systems (IS) provides information technologies to enable efficiency, productivity, and innovation to the various District departments.

The main objective of this department is to meet the technological challenges of the District. Information Systems provides strategic technology direction, manage information technology, supports cross-departmental priorities, and implements operational policies and standards.

Mission

The mission of Information Systems is to uphold the values of CVWD by fostering innovation through technologies and processes that improve efficiency and productivity.

Core Values

- **Dedication** - Deliver the best possible services to our customers and stakeholders.
- **Integrity** - Operate to provide high-quality water and protect our resources.
- **Fiscal responsibility** - Manage funds efficiently to continue to provide affordable water.

DIVISION DESCRIPTIONS

Information Systems is responsible for designing, developing, analyzing, implementing, integrating, and maintaining new and existing applications, such as the Finance and Supervisory Control and Data Acquisition (SCADA) systems.

Other critical responsibilities of IS include the development of specialized computer applications, workstation customization, installation and configuration of new and existing IS-related equipment, server and network management, network security, voice networks, email, internet access, audio/visual equipment, and end-user support, with particular focus on the following functions and activities:

Business Applications

Provides an integrated and complete set of services that include analysis, design, development, testing, implementation, and maintenance.

Works closely with project managers and department liaisons to develop specifications and make recommendations on the use of new and emerging technologies.

Determines the appropriate architecture and other technical solutions to reduce non-value-added work.

Determines application data access requirements, transaction rates, volume analysis, and other pertinent data required to develop and maintain integrated databases.

DEVELOPMENT

Develops and implements data analyses, data collection systems, and other strategies that optimize statistical efficiency and quality.

Develops and implements databases, data collection systems, data analytics, and other strategies that optimize statistical efficiency and quality.

Responsible for the following:

- Produce clean, efficient code-based specifications
- Integrate software components and third-party programs
- Verify and deploy programs and systems
- Troubleshoot, debug and upgrade existing software
- Gather and evaluate user feedback
- Recommend and execute improvements
- Create technical documentation for reference and reporting

GEOGRAPHIC INFORMATION SYSTEMS (GIS)

Develops comprehensive GIS that provides valuable tools including:

- More efficient and effective access
- Linking
- Analyses
- Maintenance of information for and about the District and its ratepayers

Desktop Support

Provides maintenance and support for every aspect of electronic equipment, such as:

- Computer hardware
- Software
- Networking
- Mobile technologies
- Telephony

Works directly with end-users to provide technical support and training.

Develops methods, practices, and procedures effectively and efficiently to ensure maximum access to technology services and resources.

Network & Systems

Implements and maintains network infrastructure.

Plans, designs, and maintains servers and data.

Administers day-to-day operations of networks and servers.

Implements Local Area Network (LAN) and Wide Area Network (WAN) maintenance and server administration procedures.

Secures all systems and network-related equipment, such as firewalls, switches, and routers.

Evaluate security trends, evolving threats, risks, and vulnerabilities, and implement solutions to mitigate risk as necessary.

Ensures the District's disaster recovery, risk management, and access control needs are addressed.

Coordinates continuity of operations plans and teams.

Responsible for improvements to and upgrades of:

- Email system
- Virtual infrastructure
- File systems
- Unified messaging
- Mobility systems
- Domain controllers
- Databases
- Security systems
- Network infrastructure

Supervisory Control and Data Acquisition

Oversees the operation, support, maintenance, analysis, databases, graphic display, and external system interface requirements, adhering to SCADA technology standards.

Evaluate the effectiveness of systems.

Develop specifications for new technologies or prototype systems to improve production and/or workflow.

Information Systems Metrics

Information Systems Workload Measures	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Information Systems - Infrastructure and Systems					
Critical Systems Availability - Goal 99% or more	99%	99%	99%	99%	99%
Network Availability - Goal 99% or more	99%	99%	99%	99%	99%
Unscheduled Infrastructure Downtime Across All Applications - Goal 0.1% or less	2.6%	2.8%	2.5%	2.8%	2.5%
Quarterly Verification Backups - Goal 99%	99%	99%	99%	99%	99%
Information Systems - Service					
Help Desk Tickets	5,714	5,540	5,275	5,450	5,370
Tickets resolved according to Service Level Agreement (SLA) - Goal 90% or more	93%	90%	94%	93%	95%
Tickets Completed - Goal 90% or more	92%	93%	92%	92%	94%
Average First Response Time to Ticket - Goal less than 24 hours	9	9	9	9	9
Average Days to Ticket Resolution - Goal less than 3 days	2.5	2.0	2.0	2.5	2.0
Information Systems - Employee Development					
Training per Team Member - Goal more than 6 hours per month	8	8	10	9	10
Information Systems - System Update					
Quarterly Systems Updates - Goal 90%	90%	90%	93%	94%	94%
Information Systems - Projects					
Projects Completed - Goal 90% or more	90%	93%	94%	92%	93%

FISCAL YEAR 2022-23 ACCOMPLISHMENTS

Strategic Plan

SG 6.19 Continued with the selection and procurement process for the ERP and billing system.

Business Applications

Completed phase II of the new IT Asset Discovery system to ensure mobile assets are automatically discovered and managed.

Implemented upgrade of the audio-visual equipment in the Rummonds training room.

Implemented phase II of the audio-visual equipment upgrade in the SRAB building (including the board, training, and conference rooms).

Upgraded intranet sites to support new integration with Office 365.

Completed strategy to migrate legacy applications to a new platform.

Upgraded the IT Service Catalog and implemented new IT workflows and processes.

Completed the Business Continuity Plan for all business units.

GIS

Replaced legacy GIS field applications with new versions that utilize authoritative data and participate in active workflows.

Implemented workflows to capture additions and corrections to existing data.

Completed implementation support for the Enterprise Asset Management system.

Implemented tighter data integrity standards with increased reporting.

Transition non-GIS data for consistency across business lines.

Accomplished phase 1 to remove outdated information from AGOL and the internal network.

Desktop Support

Replaced 20 Toughbooks (field laptops) as per the end-of-life replacement program.

Replaced 40 PCs as per the end-of-life replacement program.

Replaced over 50 older iPhones and iPads no longer supported by Apple.

Implemented a new vulnerability remediation system for PCs, including laptops.

Replaced 6 outdated multi-functional printers (including two plotters).

Completed migration of mobile devices to cloud-based MDM platform.

Network & Systems

Upgraded portion of the Coachella core routing and switching gear.

Implemented several new processes to improve CVWD's security posture.

Introduced several changes to improve system patching and improvability management program.

Completed testing of a new emergency offline collaboration system.

Migrated several servers to the most current versions.

Completed installation and configuration of core edge firewalls.

Replaced virtual backup servers.

Completed final phases of wide area network firewall installation.

SCADA

Installed new core SCADA Servers, Workstations, and networking for WRP 7 and WRP 10.

Completed testing of new WRP4 SCADA system and additional scopes of work to implement WRPs 7 and 10 SCADA systems.

Finalized integration of 22 non-potable sites associated with WRP cutovers.

Upgraded field automation at 15 domestic and sanitation sites and integrated with the new SCADA system.

Updated strategy for service recovery configuration and testing for all SCADA services, including failover of data centers and control rooms between Coachella and Palm Desert.

Developed water usage reports for the new SCADA system to support regulatory compliance.

Migrated all remaining security, gates, and miscellaneous control devices from Coachella and Palm Desert to the new SCADA system.

Successfully implemented the SCADA master plan.

FISCAL YEAR 2023-24 GOALS

Strategic Plan

SG 6.19 (Prior Plan Goal) Continue with the selection and procurement of the ERP and billing system in fiscal year 2024.

Business Applications

Upgrade the time and attendance system, including 13-time clocks.

Complete upgrade of the SRAB (Steve Robbins Administration Building) audio-visual equipment, including conference rooms.

Develop a process to automate employee benefit changes for open enrollment.

Upgrade the Laboratory Information Management system, server, and database to the latest version.

Complete testing and implementation of the new meter reading system.

Implement a Configuration Management Process to integrate IT assets with the Service Desk system.

GIS

Develop and deploy a GIS-based workflow for submitting, analyzing, and responding to Right-of-Way

Application Permits that centralize data, attachments, and communication.

Develop and deploy a GIS-based workflow for submitting, analyzing, and responding to Inspection/ Source Control reports that centralize data, attachments, and communication.

Expand the catalog of drone imagery of CVWD sites and assets using existing drone equipment.

Upgrade the GIS Enterprise Platform to the most current Version.

Continue development of Subsurface Mapping for reclamation plants.

Desktop Support

Audit all mobile devices and replace end-of-life iPads and iPhones.

Implement an incident tracking system for Control.

Replace 60 end-of-life PCs.

Implement an incident tracking system for Control.

Replace 20 end-of-life Toughbooks.

Upgrade the end-point management system to the latest version.

Improve and refine the IT service catalog using the FITSM methodology.

Implement a Chain of Custody system to track assigned equipment.

Network & Systems

Upgrade the servers for the Canal Water Ordering System.

Implement a high-speed datalink between Coachella and Palm Desert.

Increase Wide Area Network bandwidth between reclamation plants and headquarters.

Upgrade the wireless controller (WLAN) and access points (APs).

Implement a backup conferencing and collaboration system for emergencies.

Migrate users to the new Unified Messaging System for Emergency IM and Remote Call Control functions.

Replace remaining legacy Avaya network switches.

SCADA

Develop new SCADA screens to replace 51 legacy Remote Terminal Units (RTUs).

Implement a new SCADA site for the Oasis Phase 2 project.

Develop new SCADA system screens to display data for the upcoming four new non-potable sites.

Complete redundant infrastructure for the SCADA Network between Palm Desert and Coachella.

Complete decommissioning of legacy SCADA system.

In collaboration with the Electronics and Operations team, develop an optimization roadmap to continue to improve the SCADA system.

Information Systems Department	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Expenses by Type						
Salaries and Wages	$ 2,243,005	$ 2,392,354	$ 2,467,961	$ 2,570,160	$ 102,199	4.1%
Employee Benefits	1,299,162	1,317,363	1,513,195	1,543,223	30,028	2.0%
Professional Development	9,998	36,134	31,500	31,500	-	-
Professional Services	69,231	62,210	90,000	120,000	30,000	33.3%
Utilities	77,477	79,851	56,000	56,000	-	-
Materials and Supplies	362,352	505,714	436,500	436,500	-	-
Motorpool	2,369	1,440	1,423	4,386	2,963	208.2%
Contract Services	2,603,178	2,264,605	2,550,000	2,800,000	250,000	9.8%
Miscellaneous Expense	880	9,989	10,000	10,000	-	-
Capital Outlay	60,198	-	-	-	-	-
Total	**$ 6,727,851**	**$ 6,669,660**	**$ 7,156,579**	**$ 7,571,769**	**$ 415,190**	**5.8%**
Expenses by Division						
Information Systems	$ 6,727,851	$ 6,669,660	$ 7,156,579	$ 7,571,769	$ 415,190	5.8%
Total	**$ 6,727,851**	**$ 6,669,660**	**$ 7,156,579**	**$ 7,571,769**	**$ 415,190**	**5.8%**
Expenses by Fund						
Domestic Water	$ 2,618,004	$ 2,618,664	$ 2,838,356	$ 3,003,816	$ 165,460	5.8%
Canal Water	1,044,581	1,064,265	1,120,501	1,185,410	64,909	5.8%
West Whitewater Replenishment	388,400	383,965	434,139	457,546	23,407	5.4%
Mission Creek Replenishment	55,785	54,861	38,289	41,324	3,035	7.9%
East Whitewater Replenishment	317,279	313,448	337,448	356,336	18,888	5.6%
Sanitation	1,719,890	1,734,818	1,861,668	1,972,107	110,439	5.9%
Stormwater Fund	393,570	393,591	418,975	445,357	26,382	6.3%
Motor Pool Fund	190,342	106,047	107,203	109,873	2,670	2.5%
Total	**$ 6,727,851**	**$ 6,669,660**	**$ 7,156,579**	**$ 7,571,769**	**$ 415,190**	**5.8%**

* *Unaudited*

SERVICE & COMMUNICATION



Director of Service & Communication	
Scott Burritt	

Administration	3
Government and Regional Affairs Coordinator	1
Management Analyst	1
Administrative Assistant I	1

Outreach & Education	9
Communication Manager	1
Multimedia Specialist	1
Education Specialist	1
Education Associate	1
Communications Specialist	4
Communications Assistant	1

Water Management	15
Conservation Manager	1
Office Assistant II	1
Administrative Assistant I	1
Water Management Supervisor	1
Water Management Specialist II (Lead)	1
Water Management Specialist I	7
Water Management Technician	1
Water Management Aide	2

Customer Service	15
Customer Service Supervisor	1
Customer Service Representative III	2
Customer Service Representative II	6
Customer Service Representative I	5
Office Assistant II	1

Customer Billing	14
Revenue Manager	1
Assistant Revenue Manager	1
Accountant	1
Accounts Receivable Technician	6
Sr. Accounts Receivable Assistant	2
Accounts Receivable Assistant	3

Meter Readers	22
Meter Reader Manager	1
Meter Reader Crew Chief	2
Field Service Representative	3
Meter Reader II	5
Meter Reader I	9
Meter Reader Trainee	2

Total FTE
79

DEPARTMENT DESCRIPTION

The Service & Communication Department has a variety of roles focusing on customer service, public and government affairs, conservation, education, and customer billing. The department plays a significant role in ensuring overall customer satisfaction, promoting internal communication, and maintaining a positive public image.

Mission

To exceed public expectations through dedicated, knowledgeable, and professional employees who impart a sense of integrity, innovation, and support.

DIVISION DESCRIPTIONS

The Service & Communication Department is organized into six divisions that provide customer-related services to the District's entire customer base and manage communications internally and externally. The department has a particular focus on the following functions and activities:

Administration

Develop recommendations for new and revised policies and improved processes based on research, data analysis, and best practices to improve the customer experience, create efficiencies, and strengthen revenue collection.

Provides government and legislative leadership by analyzing draft legislation at state and federal levels, engaging directly with policymakers and elected officials, and managing the District's contract advocates in Sacramento and Washington D.C.

Customer Billing

Completes billing for all water-related services, including: domestic water, sanitation, well replenishment, nonpotable, canal, and canal water availability.

Receives and processes all customer payments and billing adjustments on a daily basis.

Performs collection activities, customer notification of past due accounts, liens, and promissory notes.

Customer Service

Manages more than 500 incoming telephone calls, counter interactions, and customer emails per day (120,000+ per year).

Assists customers in establishing new accounts, making payments, placing canal irrigation orders, and answering billing and high consumption questions.

Makes outbound calls to customers to inform them about delinquent balances and customer assistance programs.

Works across the District to support our customers.

Meter Readers

Collect manual and automated meter reads, monthly readings of construction meters, and replenishment assessment charge (RAC) well meters.

Determine meter type (AMR or Non-AMR) for new accounts.

Responsible for customer turn-ons, final reads, field investigations, delinquent turn-offs, and other miscellaneous work orders.

Work with customers to perform meter accuracy tests and resolve complaints.

Investigate possible causes of high consumption.

Investigate possible crossed meters and meter discrepancies.

Investigate accounts with low consumption, including identifying failed and undersized meters.

Maintain domestic and RAC meter information in GIS.

Assist with the identification of water waste and Non-Functional Turf for Water Management.

Outreach & Education

Provides education and information to customers, employees, stakeholders, and the community on services, conservation programs, water policy, regulations, water issues, and capital improvement projects.

Provides internal communication to employees by producing and distributing the bi-weekly Water Drop newsletter and the quarterly CVWD Connect Magazine and managing internal digital information monitors.

Assists other departments with communication, public outreach, graphic design, branding, photography, and social media expertise.

Engage, educate, and communicate with the media through press releases, news conferences, event materials, and interviews to generate favorable news coverage.

Educates local students and residents through presentations, activities, and tours of District facilities to create awareness of issues such as history, canal safety, water science, conservation and sustainability, development, regulations, and the District's role in the community.

Water Management

Assists customers in improving water use efficiency through a number of conservation initiatives, including rebate programs, educational presentations, free installation of smart irrigation controllers, and free indoor conservation kits for homeowners.

Provides technical assistance, including on-site conservation reviews or audits, to evaluate water use, offer suggestions to improve water use efficiency, and meet assigned water budgets.

Provides special audit program to offer technical assistance to targeted customers with exceptionally high and inefficient water use.

Investigates and enforces local and state water use restrictions and helps violators comply.

Reviews new and rehabilitated landscape development plans for compliance with the District's Landscape Ordinance.

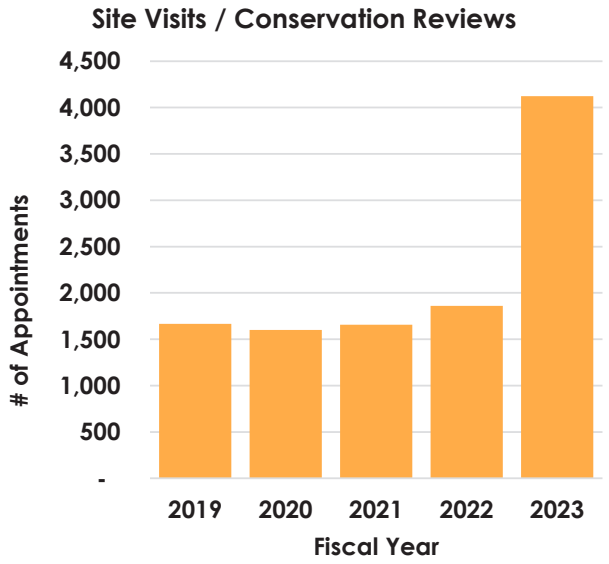
Calculates the water needs for all District customers using various methods to ensure the accuracy of water budgets for Budget Based Tiered Rates.

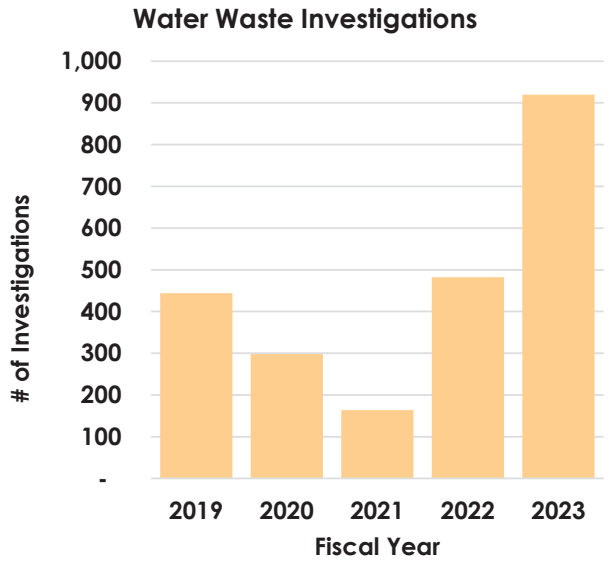
Reviews customer appeals regarding their water budget.

Service & Communication Workload Measures	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Customer Billing					
Maintain Average Receivables Over 90 Days - Goal 6.26% or Less	5.00%	4.00%	6.00%	6.32%	6.27%
Maintain Assessor's Parcel Number (APN) Rejection Rate of 2% or Less	0.0%	0.0%	0.0%	0.0%	0.0%
Complete Daily Bank Deposit by 3:30 PM - Goal 80% or more	92.0%	97.0%	98.0%	98.0%	98.0%
Requests for Account Review	1,647	1,616	1,224	1,209	1,255
Met Established Training Standards	Yes	Yes	Yes	Yes	Yes
Customer Service					
Calls Received	104,500	105,671	109,783	91,608	92,841
Calls Answered	103,000	104,937	109,455	91,153	92,380
Calls Answered Within 3 Minutes or Less - Goal 90% or More	93.7%	97.4%	98.2%	98.1%	98.0%
Average Abandon Rate - Goal 5% or less	1.5%	0.7%	0.3%	0.5%	0.5%
Average Call Handle Time - Goal 4 minutes or less	2:42	2:50	2:53	2:51	3:11
Average Wait Time - Goal 2 minutes or less	1:33	0:58	0:34	0:50	0:45
Met Established Training Standards	Yes	Yes	Yes	Yes	Yes
Meter Readers					
AMR Meters Read Manually to Assure Accuracy & Function - Goal 3,000	4,760	4,238	14,155	16,183	16,268
Average Number of Meters Read Monthly	111,255	112,208	113,259	114,270	115,614
Average Number of AMR Meters Read Monthly using Drive-By System	19,038	19,137	19,214	19,146	19,188
Met Reading and Billing Deadlines, Cycle Standards (28 to 32 days)	Yes	Yes	Yes	Yes	Yes
Direct Read Meters Upgraded to AMR Meters	62	21	41	112	64
Nonrecurring Work Orders Completed	40,423	32,816	46,315	39,274	34,428
Met Established Training Standards	Yes	Yes	Yes	Yes	Yes
Outreach & Education					
Media Stories (newspaper, TV, radio, etc.) Concerning CVWD Per Year	231	125	155	251	380
Students Receiving Educational Presentations	7,996	5,174	197 *	80*	2,111
News Releases	35	39	31	35	26
Tours Provided	52	56	- *	2*	8
Informative Presentations to Community Groups	10	15	- *	148	11
Informational Booths Staffed at Community Events	25	13	- *	1*	12
Number of Topic Letters Submitted in Regards to Legislation Affecting the District	14	14	4	19	20
** Outreach & Education numbers impacted by COVID-19 restrictions.*					
Water Management					
Residential Smart Controllers Installed	211	117	163	107	229
Large Landscape Smart Controllers Installed	19	16	218	31	171
Rebates Issued to Homeowners for Landscape Conversion	226	160	263	378	1,083
Square Feet of Grass Replaced with Desert-Friendly Landscape - Homeowners	378,125	203,327	375,392	519,006	1,698,910
Rebates Issued to Large Landscape Customers for Landscape Conversion	108	64	73	69	225
Square Feet of Grass Replaced with Desert-Friendly Landscape - Large Landscape Customers	643,591	634,044	359,738	526,248	2,228,970
Rebates Issued Toilet Replacement Program	869	1,411	1,310	540	592
Rebates Issued Residential Hot Water Recirculating Pump Program	-	16	37	51	81
Rebates Issued High Efficiency Washing Machine Rebate Program	-	25	263	223	229
Water Waste Investigations	444	262	164	482	920
Nozzles Replaced	1,628	651	1,082	373	597
Plan Checks	402	264	466	624	466
Appeals	1,197	456	1,646	1,614	2,222
Government & Regional Affairs					
Community & Industry Events Attended	N/A	N/A	N/A	81	151
Items tracked:	**	**	**	**	**
Federal Bills	N/A	N/A	N/A	167	218
State Bills	N/A	N/A	N/A	78	102
State & Federal Regulations	N/A	N/A	N/A	6	8
Number of Letters Submitted Regarding Legislation & Regulations Affecting the District	14	14	4 *	19	20

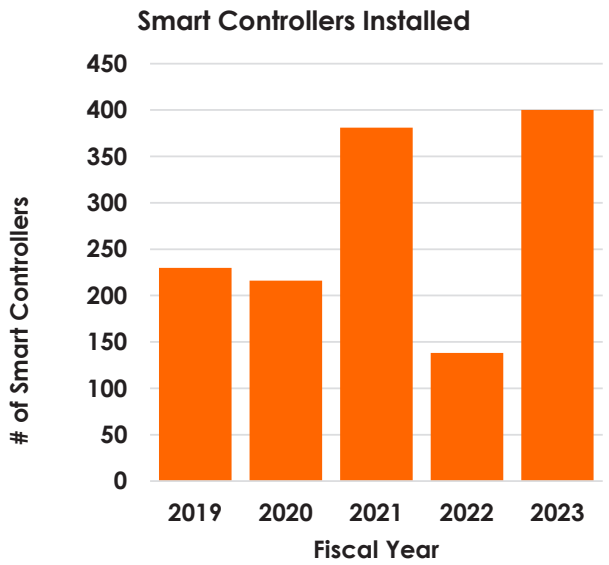
Service and Communication Metrics

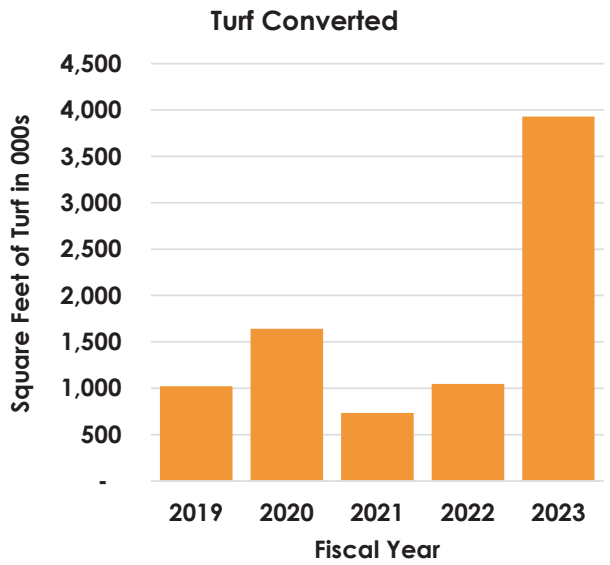
The first graph reflects a five-year history of site visits/conservation reviews completed by Water Management. The second graph reflects a five-year history of water waste investigations. The graphs below reflect sharp increases in fiscal years 2022 and 2023 due, in part, to the statewide mandate to conserve water.



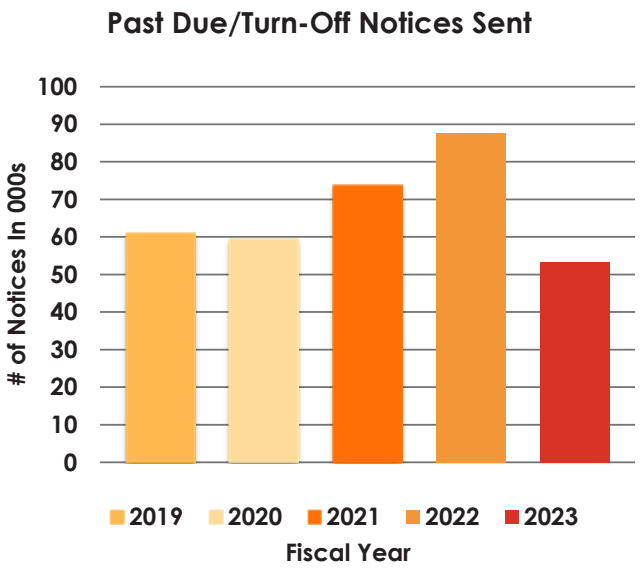


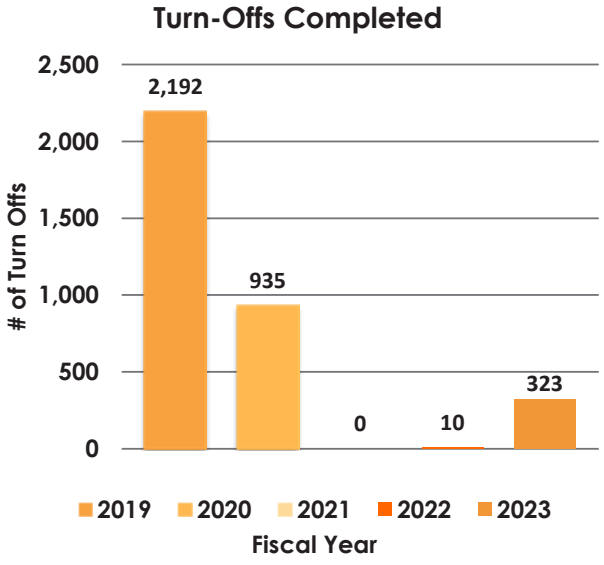
The graphs below reflect a five-year history of the number of residential and large landscape smart controllers installed and a five-year history of the total square feet of turf converted to a desert-friendly landscape.

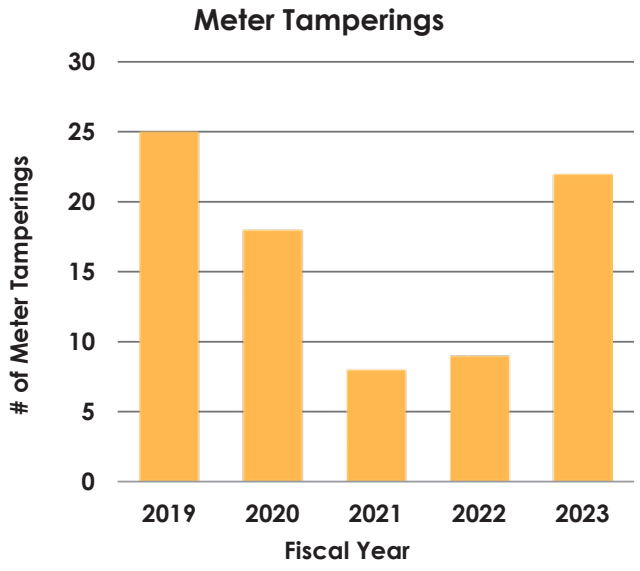


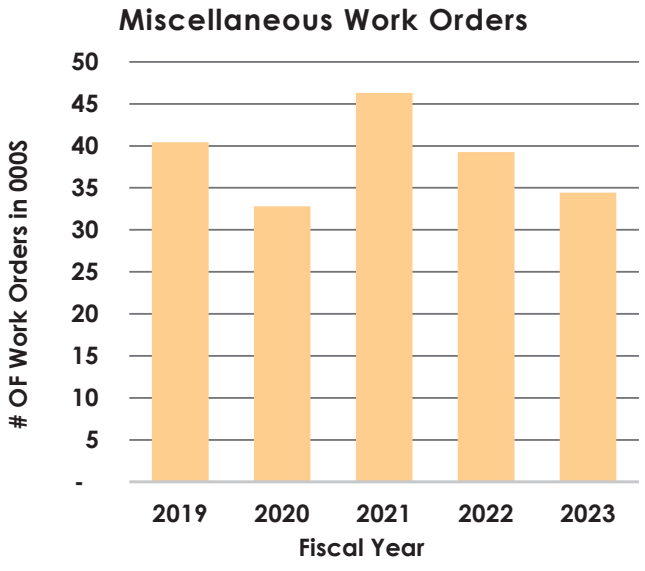


The following graphs show a five-year history of meter reader activities completed each fiscal year. The Governor's Executive Order because of the COVID-19 pandemic significantly affected fiscal year 2020 and all but eliminated turn-offs for fiscal year 2021. In addition, the stay-in-place orders issued because of COVID-19 continued to impact meter tampering and work orders in fiscal year 2021.









FISCAL YEAR 2022-23 ACCOMPLISHMENTS

Strategic Plan

SG 1.1 Disadvantaged Communities-focused outreach

Administration

Oversaw CVWD's response to the Governor's emergency drought orders, including implementing drought penalties, increased conservation measures, and implementing a non-functional turf ban.

Customer Billing

Updated GIS maps to identify properties related to IWAA and Sanitation to ensure parcels are charged annual assessments and potentially recovering lost revenue.

Implemented drought penalties in September of 2022 and removed them in April 2023, resulting in $10.8 million in drought penalties used to fund conservation efforts.

Administered various customer assistance efforts, which resulted in credits of $111,000 applied to approximately 635 accounts from various customer assistance programs.

Participated in the ERP requirements review process to ensure needs were identified to proceed with the Request for Proposal.

Customer Service

Exceeded all call center goals by achieving a 98% service level, 3:11 minute average handling time, average waiting time of 45 seconds, and 0.5% abandoned call rate.

Transitioned the QuickGuide online reference to Teams OneNote pages, making creating, maintaining, and searching for information easier.

Moved all department files from the District's J:/ drive to OneDrive.

Participated with several teams to enhance conservation outreach and communication.

Meter Readers

Completed the review and testing of new meter reading handhelds and meter reading software in order to improve operational effectiveness and customer service.

Created procedures that enabled Meter Readers to identify non-functional turf, water waste, over-seeding, and drought restriction violations to encourage conservation and assist Water Management in efforts to follow state directives and the CVWD Water Shortage Contingency Plan.

Completed RAC Meter efficiency Pilot with Olea Edge Analytics.

Outreach & Education

Organized a press conference highlighting information on $3.45 million in federal funding secured by Congressman Ruiz to improve access to clean drinking water in the Eastern Coachella Valley. The funding will aid the construction of the Valley View Mobile Home Park Water Consolidation Project for underserved communities that currently rely on unreliable private water systems.

Implemented a Water Wise Wednesday segment with NBC Palm Springs to bring awareness about water conservation, services, water issues, and other related topics.

Provided presentations to various community groups on drought and conservation.

Provided outreach and communication for the Local Hazard Mitigation Plan update process, including a webpage, survey, and outreach to the community to solicit input from customers and other stakeholders, including socially vulnerable populations.

Co-hosted an event to celebrate the U.S. Bureau of Reclamation's 120th anniversary and more than a century of partnership in managing water in the west. Reclamation and CVWD also recognized a $60 million loan for the Irrigation Lateral and Box Structure Replacements project funded by the historic Bipartisan Infrastructure Law (BIL).

Hosted a one-day H20 for HOAs Water Conservation Summit & Expo to educate homeowners associations on the effects of drought and the impacts of a drier future.

Provided documentation on several capital improvement projects with drone video and photography.

Water Management

Provided over $12 million in rebates to residential and large landscape customers to convert more than 3.9 million square feet of turf to low-water use landscape.

Implemented partnerships with three local cities to provide matching turf conversion rebates and increase program participation.

Launched two new conservation programs through the California Water Efficiency Partnership to offer residential customers a discount on Flume and Rachio devices.

Updated the rebate processing software to Droplet's current version, which now includes all outdoor and indoor rebate program offerings.

Contributed to developing and facilitating the H20 for HOA Event, an educational conservation program designed for HOA property managers and Board members.

Published Request for Bids for construction of Palm Desert Demonstration Garden.

Created and implemented processes to deter the irrigation of Non-Functional Turf and promote conversion to low-water use landscape.

Awarded a $1.5 million grant by USBR for a Golf Conservation Program.

FISCAL YEAR 2023-24 GOALS

Administration

Participate in the enterprise resource management/customer billing procurement process and vendor selection.

In collaboration with other CVWD departments, develop a process to ensure all sanitation rates and Sanitation Capacity Charges (SCCs)are assessed.

Customer Billing

Use GIS maps to identify lost revenue related to IWAA and Sanitation to ensure parcels are charged annual assessments.

Ongoing monitoring of potential undersized meters to identify potential lost revenue.

Implement new domestic and sanitation rates for fiscal year 2023-24.

Cross-train with other departments to learn more about each department's role in Service & Communication.

Participate in the ERP procurement process and provide feedback.

Customer Service

Maintain high service level metrics for answering calls, managing calls and counter customers efficiently, and responding to email requests within a short timeframe.

Make outbound calls to delinquent customers regularly to reduce receivables.

Cross-train with other departments to learn more about their responsibilities and how they support our customers.

Support other departments' goals, including Conservation events and promotions, Finance and the ERP process, Communications community events, etc.

Meter Readers

Complete the review and procurement agreement with Olea Edge Analytics to provide RAC Meter Testing to identify accounts with faulty or under-registering meters.

Implement new meter reading handhelds and meter reading software in order to improve operational effectiveness and customer service.

Participate in the ERP procurement process and assist with responses to questions from potential bidders.

Outreach & Education

Expand social media outreach to increase brand awareness and engagement, drive traffic to the District's website, and promote the District's Your Water is Our Promise campaign.

Participate in regional and statewide public outreach campaigns such as ACWA's Quench CA and the state's Save Our Water effort.

Revise and improve the educational program for K-12 students by creating new presentations to reflect current educational standards, shortening the number of slides, and adding hands-on activities.

Revise community tour and field trip itineraries with a schedule that allows teachers and the public to book a time on a pre-scheduled date.

Update and improve website information to better serve customers with relevant information.

Water Management

Develop a comprehensive policies and procedures document encompassing all rebate program offerings.

Develop a method for evaluating the rebate program efficacy on an annual basis.

Develop and implement a Golf Conservation Program that provides incentives for turf conversion and irrigation upgrades.

Develop a Non-Functional Turf Reduction plan that recommends actions to reduce non-functional turf by 30%.

Develop a comprehensive cross-training agenda for staff development across the Department.

Create QuickGuide resource for staff outlining divisional policies, procedures, and practices.

Evaluate the potential impact of the proposed Water Use Objective regulation and develop a plan for compliance.

Implement ServiceDesk within the division to improve transparency and efficiency.

Service & Communication Department	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Expenses by Type						
Salaries and Wages	$ 6,955,404	$ 7,226,365	$ 7,846,078	$ 8,019,141	$ 173,063	2.2%
Employee Benefits	4,296,291	4,105,507	5,070,160	4,909,242	(160,918)	-3.2%
Outside Labor	35,021	30,138	17,000	17,000	-	-
Professional Development	94,839	80,290	203,241	166,825	(36,416)	-17.9%
Professional Services	251,895	185,358	229,000	226,233	(2,767)	-1.2%
Advertising and Media	212,374	225,384	190,600	188,500	(2,100)	-1.1%
Utilities	29,784	27,628	40,883	47,526	6,643	16.2%
Materials and Supplies	672,137	746,591	816,750	811,625	(5,125)	-0.6%
Motorpool	433,015	350,355	323,605	356,535	32,930	10.2%
Contract Services	961,855	1,210,469	1,335,173	1,530,175	195,002	14.6%
Safety	6,628	6,998	7,350	8,000	650	8.8%
Miscellaneous Expense	2,532,658	12,795,970	14,590,835	3,090,485	(11,500,350)	-78.8%
Total	**$ 16,481,903**	**$ 26,991,052**	**$ 30,670,675**	**$ 19,371,287**	**$ (11,299,388)**	**-36.8%**
Expenses by Division						
Outreach and Education	$ 2,261,497	$ 2,092,454	$ 2,705,763	$ 2,330,863	$ (374,900)	-13.9%
Water Management	5,154,297	15,526,779	17,685,412	6,092,563	(11,592,849)	-65.6%
Administration	626,028	704,651	695,174	1,173,053	477,879	68.7%
Customer Service	2,052,420	2,033,858	2,398,545	2,298,404	(100,141)	-4.2%
Meter Reading	3,240,803	3,152,134	3,410,057	3,576,263	166,206	4.9%
Customer Billing	3,146,858	3,481,177	3,775,724	3,900,141	124,417	3.3%
Total	**$ 16,481,903**	**$ 26,991,052**	**$ 30,670,675**	**$ 19,371,287**	**$ (11,299,388)**	**-36.8%**
Expenses by Fund						
Domestic Water	$ 13,742,161	$ 24,067,233	$ 27,496,007	$ 16,123,433	$ (11,372,574)	-41.4%
Canal Water	1,273,205	1,283,171	1,322,360	1,324,293	1,933	0.1%
West Whitewater Replenishment	359,752	437,780	476,363	488,041	11,678	2.5%
Mission Creek Replenishment	4,730	11,427	11,254	11,849	595	5.3%
East Whitewater Replenishment	354,991	420,969	460,593	474,369	13,776	3.0%
Sanitation	599,837	608,265	698,725	734,973	36,248	5.2%
Stormwater Fund	147,227	162,207	205,373	214,329	8,956	4.4%
Total	**$ 16,481,903**	**$ 26,991,052**	**$ 30,670,675**	**$ 19,371,287**	**$ (11,299,388)**	**-36.8%**

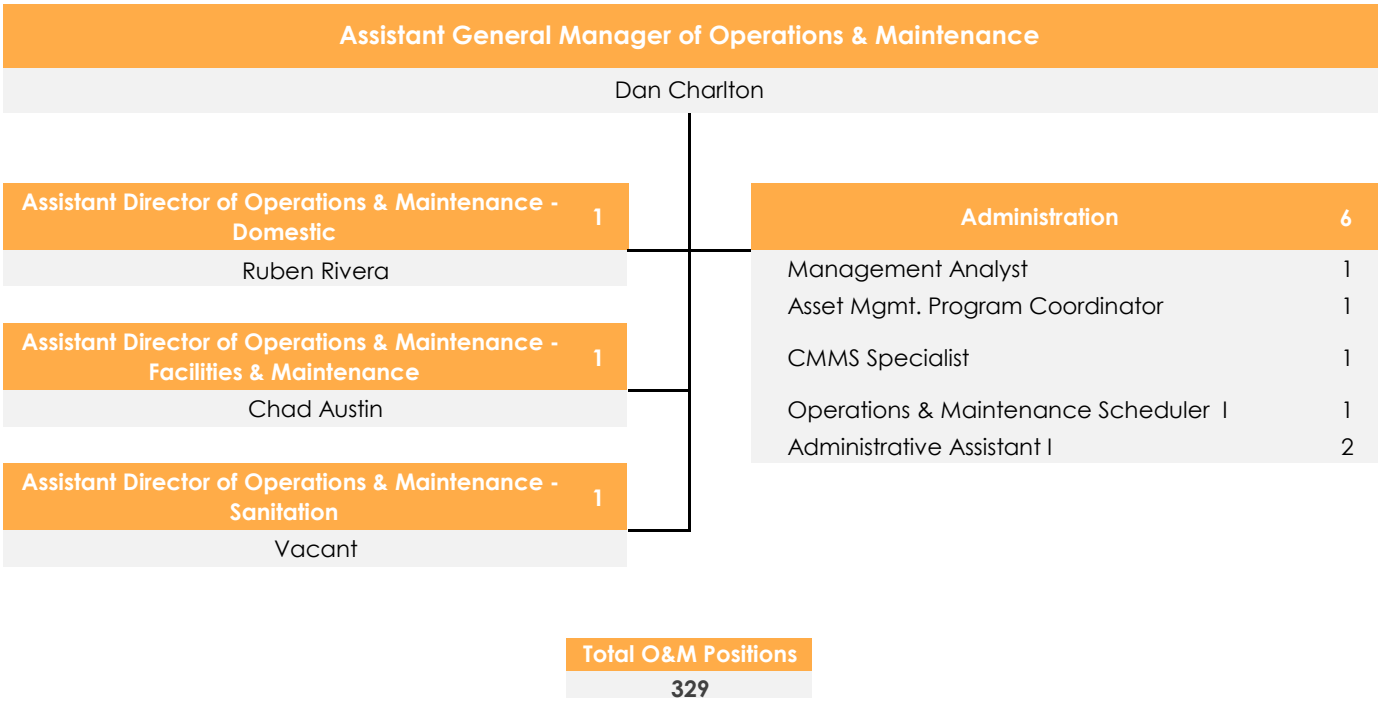
* *Unaudited*



CVWD Director of Communication and Conservation speaking at a press conference with Congressman Raul Ruiz, M.D.

OPERATIONS & MAINTENANCE





DEPARTMENT DESCRIPTION

The Operations & Maintenance Department (Operations & Maintenance) is the largest Coachella Valley Water District (CVWD) department, with 329 employees. Operations & Maintenance consists of 3 departmental branches with 32 divisions that are responsible for the operations, maintenance, and repair of all CVWD's infrastructure, including Domestic Water, Sanitation, Nonpotable Water, Canal Water, Stormwater, and Groundwater Replenishment facilities. Operations & Maintenance is also responsible for maintaining all CVWD campuses and the Motorpool (maintenance and procurement).

Mission

The Operations & Maintenance Department is dedicated to providing proactive, courteous, and professional services to our internal and external customers by developing and deploying a staff of skilled technicians, operators, and craftsmen who are committed to providing superior workmanship and outstanding service. We strive to exceed the expectations of our fellow departments by providing our customers with exceptional service while furthering the mission of the Coachella Valley Water District.

Core Values

- Integrity
- Accountability
- Teamwork
- Loyalty

DIVISION DESCRIPTION

Administration

The Operations & Maintenance Administrative Team (Administration) provides organizational oversight to facilitate interdivisional relationships and creates efficiencies to ensure safe, reliable, and economical services to CVWD's customers. Administration defines clear expectations for the various divisions and provides the tools and guidance to accomplish the goals, including funding, staffing, equipment, training, standardization, and accountability.

Administration develops and implements strategic programs and provides support and resources to skilled technicians, tradesmen, and operators, who provide superior workmanship and outstanding service to our internal and external customers.

Administration continues to develop and implement CVWD's Asset Management Program (AMP), which is critical to the long-term sustainability of CVWD. The Asset Management Master Plan (AMMP) laid the foundation for developing a comprehensive AMP, which included implementing a computerized maintenance management system (CMMS) that captures GIS information, catalogs asset infrastructure, and tracks condition assessment to help prioritize capital improvements. The CMMS will prioritize maintenance needs by criticality and consequence of failure, schedule recurring preventative maintenance, and track non-recurring (reactive) work activity.

Administration completed the full-scale implementation of the Geotab GPS Program, including a robust application platform, fleet-grade hardware, and versatile devices, easily transferable between vehicles. GeoTab provides risk mitigation and takes a more proactive driver training and monitoring approach. Continuous monitoring is a proactive way to correct risky driver behavior before accidents occur.

The guiding principle of Operations & Maintenance is to stay true to CVWD's Mission Statement, "to meet the water-related needs of the people through dedicated employees, providing high-quality water at a reasonable cost."

Strategic Initiatives

SI 2.5 Analyze issues associated with implementing a zero-emission fleet.

SI 4.10 Construct a model of the Coachella Canal to enhance training and operations.

SI 4.11 Perform a security vulnerability assessment on critical infrastructure sites.

SI 5.12 Develop a comprehensive instrumentation implementation program.

FISCAL YEAR 2022-23 ACCOMPLISHMENTS

Administration

Completed SRAB Customer Lobby Ballistics Remodel Project.

Implemented the Computerized Maintenance Management System (CMMS) Asset Management System.

Completed the full-scale implementation of Geotab GPS Program.

Completed and implemented the Sodium Bisulfite (SBS) de-chlorination upgrade for WRP 4.

Developed and Implemented a Zero Emission Fleet Program, Phase 1.

Completed the Implementation of the SCADA Instrumentation Upgrades for the Wastewater Reclamation Plants.

FISCAL YEAR 2023-24 GOALS

Complete the State-mandated Sanitary Sewer Master Plan (SSMP) self-assessment audit.

Improve the Preventative Maintenance Baseline Tracking Report and increase the overall preventative maintenance by 10%.

Complete Security Vulnerability Assessment on Critical Infrastructure for Palm Desert and Coachella Campuses, Phase 1.

Develop and implement a Battery Electric Charging System and Prioritization Plan at the Palm Desert Operations Facility, Phase 1.

Complete the Preventative Maintenance Plan configuration into the Asset Management Program and develop customized reporting for key performance indicators displaying historical trends and future performance predictions.

Develop and implement enhancement requirements for the CMMS as part of the Asset Management Implementation Program, with budget estimates and efficiency return-on-investment analysis.

Assistant Director of Operations & Maintenance - Domestic	
Ruben Rivera	

Domestic Production & Metering Systems	2
Operations Manager	1
Water System Analyst	1

Domestic Production	1
Domestic Water Supervisor	1

Domestic Production	29
Date Palm Crew Chief	1
Date Palm Serviceworker III	1
Date Palm Water Quality Operator I	1
Date Palm Serviceworker I	4
Valley Crew Chief	1
Valley Water Quality Operator III	1
Valley Water Quality Operator II	2
Valley Serviceworker II	1
Valley Serviceworker I	2
La Quinta Water Treatment Crew Chief	1
La Quinta Serviceworker III	1
La Quinta Water Treatment Operator II	2
La Quinta Water Quality Operator II	1
La Quinta Serviceworker II	1
West Shores Crew Chief	1
West Shores Serviceworker III	1
West Shores Distribution Operator II	3
West Shores Distribution Utility Worker III	1
West Shores Serviceworker Trainee	1
West Shores Meter & Valve Tech Trainee	1
Domestic Water Serviceworker Trainee	1

Domestic Metering Systems	1
Domestic Water Supervisor	1

Domestic Metering Systems	19
Backflow/Cross Connection Crew Chief	1
Cross Connection Technician II	1
Cross Connection Technician I	2
Backflow Meter & Valve Tech I	1
Backflow Meter & Valve Tech Trainee	1
Meter Repair Crew Chief	1
Meter Repair Meter & Valve Tech III	1
Meter Repair Meter & Valve Tech II	2
Meter Repair Meter & Valve Tech I	3
PCD/Air Vac Crew Chief	1
PCD/Air Vac Meter & Valve Tech III	1
PCD/Air Vac Meter & Valve Tech II	1
PCD/Air Vac Meter & Valve Tech I	1
PCD/Air Vac Meter & Valve Tech Trainee	2

Domestic Construction & Maintenance	1
Operations Manager	1

Domestic Maintenance	1
Domestic Water Supervisor	1

Domestic Maintenance	22
System Maintenance Crew Chief	1
System Maintenance Distribution Operator Trainee	3
System Maintenance Distribution Utility Worker II	1
Valve Repair Crew Chief	1
Valve Repair Equipment Operator I	1
Valve Repair Distribution Operator III	1
Valve Repair Distribution Operator II	1
Valve Repair Distribution Operator I	2
Hydrant Maintenance Crew Chief	1
Hydrant Maintenance Distribution Operator II	1
Hydrant Maintenance Distribution Operator I	3
Domestic Maintenance Crew Chief	1
Domestic Maintenance Distribution Operator III	1
Domestic Maintenance Distribution Operator II	1
Domestic Maintenance Distribution Operator I	1
Domestic Maintenance Distribution Operator Trainee	2

Domestic Construction	1
Domestic Water Supervisor	1

Domestic Construction	26
Leak Repair Crew Chief	1
Leak Repair Distribution Operator III	1
Leak Repair Distribution Operator II	2
Leak Repair Distribution Operator I	1
Leak Repair Distribution Utility Worker I	1
Service Installation Crew Chief	1
Service Installation Distribution Operator III	1
Service Installation Equipment Operator	1
Service Installation Distribution Operator Trainee	3
Leak Detection Crew Chief	1
Leak Detection Meter & Valve Tech III	1
Leak Detection Meter & Valve Tech II	3
Leak Detection Meter & Valve Tech I	1
Facilities Location Technician III	2
Construction Crew Chief	1
Construction Distribution Operator II	1
Construction Distribution Operator I	3
Construction Distribution Operator Trainee	1

DOMESTIC WATER DIVISION DESCRIPTIONS

Domestic Water Operations is responsible for the daily operation, maintenance, and repair of the domestic water system to ensure supply meets demand, adequate pressures, and deliveries comply with water quality standards. Domestic Water Operations maintains their focus on the following functions and activities:

Domestic Production

SERVICE WORKERS / WATER QUALITY / WATER TREATMENT

Provides first responder services for all domestic water customer-related issues while maintaining operations 24 hours/day and 7 days/week.

Evaluates and coordinates remedies for pumping facility alarms, thefts, and vandalism for over 220 domestic water facilities.

Records monthly production data and inspections for all sites regularly to ensure operational availability, adequate pressures, and the safety of the infrastructure.

Maintains, repairs, and operates two Ion Exchange Treatment Plants (IXTPs) and provides disinfection of the District's drinking water supply, which consists of wellhead chlorination.

WEST SHORES

The West Shores Crew maintains the West Shores area by performing some or all the duties of the service workers, leak repair, meter repair, maintenance, and construction divisions.

Domestic Metering Systems

BACKFLOW

Performs testing, repair, and replacement of all backflow devices as required by the State.

Conducts field investigations, hazard assessments, and cross-connection tests as required.

Installs, relocates, removes, and repairs temporary construction meters throughout the service area.

METER REPAIR

Maintains well and customer meters throughout the distribution system.

Maintains, repairs, and replaces CVWD's customer meters, well meters, and RAC meters.

Performs random customer water meter testing and production well meter testing annually to ensure accuracy (data collected is used in the water loss audit report mandated by the State).

Coordinates the completion of the Annual Water Loss Audit Report and submittal to the State.

PRESSURE CONTROL DEVICE/AIR-VAC

Maintains, repairs, and troubleshoots air-vacuum/air-release (Air-Vacs) valves and hydraulic and automatic control valves.

Maintains, repairs, and tests hydropneumatic tanks and air compressors to protect the distribution system from pressure surges and spikes.

Domestic Maintenance

SYSTEM MAINTENANCE

Exercises, flushes, inspects and maintains valves and blow-offs within the domestic water system.

VALVE REPAIR

Repairs and replaces domestic water mainline valves within the distribution system.

HYDRANT MAINTENANCE

Exercises, flushes, inspects, and maintains fire hydrants in the domestic water system, including hydrant flow testing.

Maintains and provides water tenders for use in the event of an emergency water outage and for community events promoted by the District's public outreach group.

DOMESTIC MAINTENANCE

Performs all asphalt repairs and well site, reservoir, and booster site maintenance.

Domestic Construction

LEAK REPAIR

Repairs domestic water mainlines and service lines up to the customer's meter.

SERVICE INSTALLATION

Repairs domestic water mainlines and service lines to the customer's meter. In addition, constructs and/or installs new detector check valve assemblies, point of connections for new development, water services, meters, and backflow devices.

FACILITIES / LEAK DETECTION

Surveys the domestic distribution system for non-surfacing leaks to help determine leak locations and document leakage volume.

Assists Wastewater Reclamation Plants (WRPs), Collections, and Nonpotable Crews in tracing the source of possible leaks.

Locates, identifies, and marks all CVWD-owned and operated underground infrastructure for the general public, contractors, other municipalities, and internal departments.

Communicates necessary plat sheet updates with Engineering.

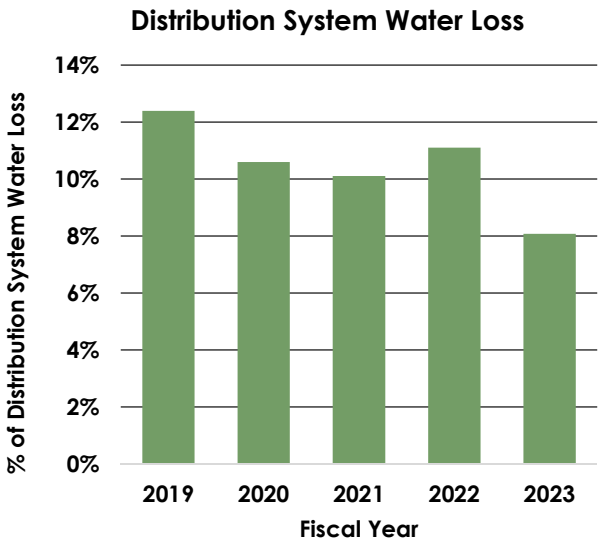
CONSTRUCTION

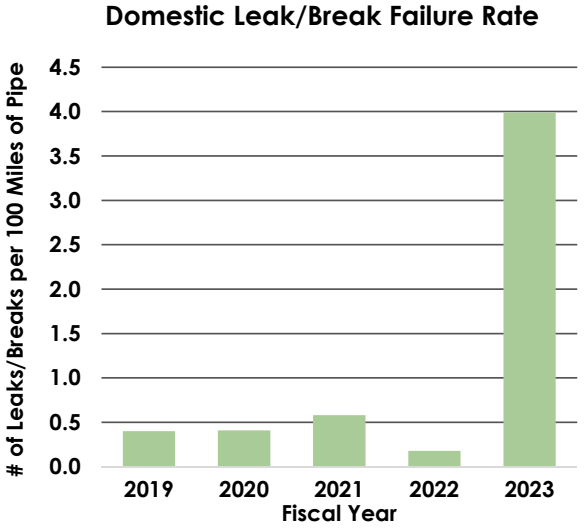
Constructs all new domestic water well ancillary improvements and installs new appurtenances (detector check valve assemblies, fire hydrants, stub-out connections, point of connections for new development, water services, meters, backflow devices, and service lines).

Domestic Water Metrics

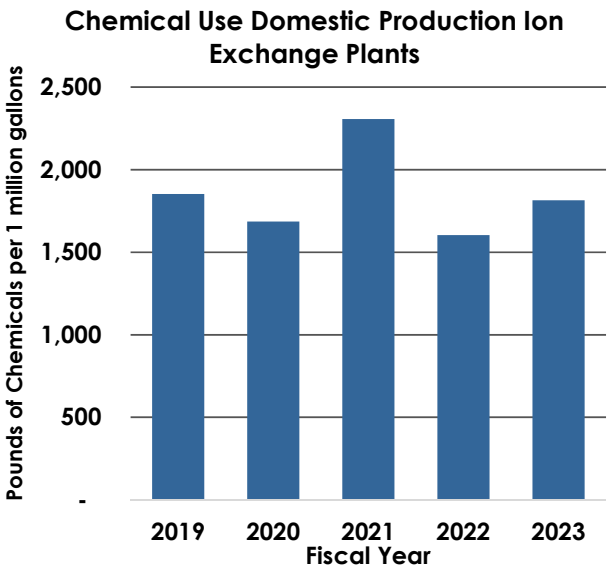
Domestic Operations Workload Measures	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Repaired/Replaced Fire Hydrants	271	411	638	406	595
Repaired/Replaced Main Line Valves	235	186	400	399	333
Concrete Collars Replaced	141	85	133	168	290
Proactive Meter Replacements*	1,998	465	4,299	7,460	6,581
Meter Installations	574	668	1,040	1,323	1,385
Meter Exchanges	2,351	1,471	2,364	873	888
Meter Register and Box Repairs	3,934	5,900	2,957	5,224	1,585
Automated Meter Reading (AMR) Meter Upgrades*	151	56	57	101	42
Customer Service Calls	4,144	3,331	4,008	4,778	4,554
Facilities Maintained (Wells, Boosters, IXTP's, Reservoirs)	11,355	13,772	17,075	22,008	25,538
Facilities Repaired/Replaced (Wells, Boosters, IXTP's, Reservoirs)	617	563	866	794	767
Backflow Devices Tested	9,107	9,403	12,513	11,475	10,837

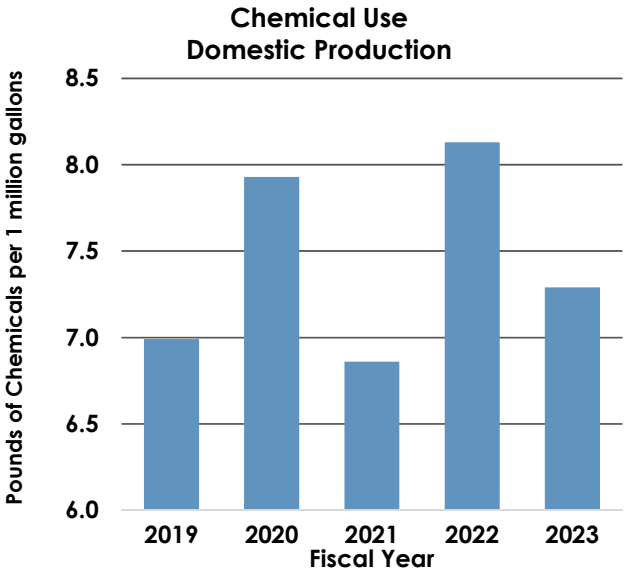
The first graph depicts the percentage of water loss that the District experiences in a given fiscal year. The second graph depicts the domestic distribution failure rate, or the number of leaks/ breaks the District has experienced per 100 miles of pipe. The District's total distribution system includes 2,024 miles of pipe.



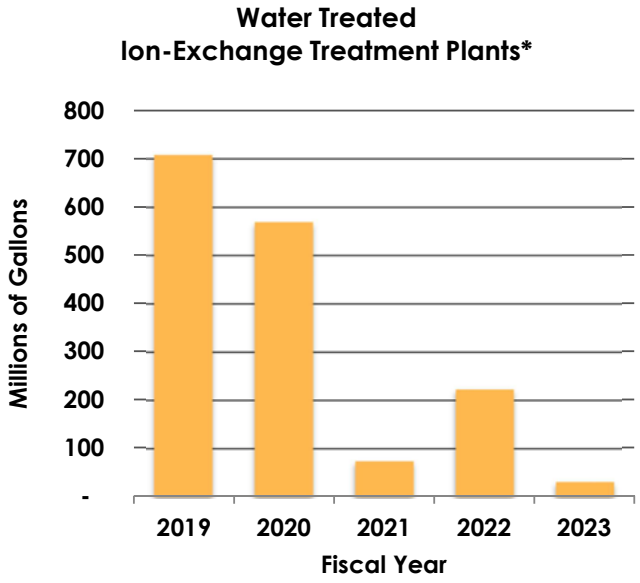


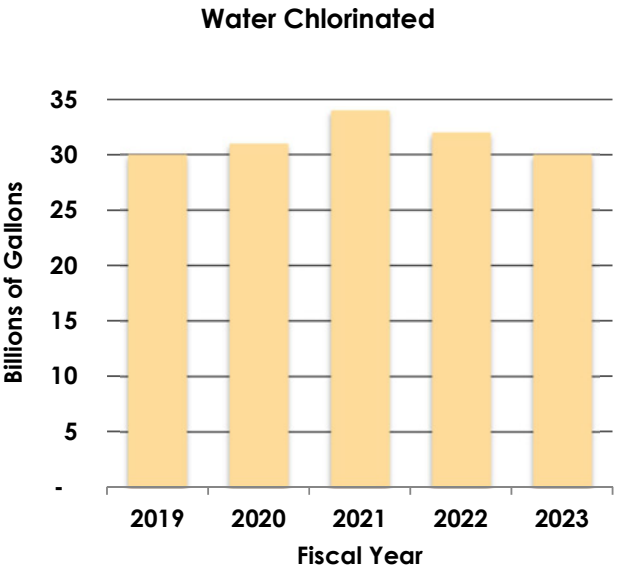
CVWD treats the distribution system with chemicals to ensure that service meets all water quality standards, including disinfection/chlorination of domestic water. The District operates two Ion Exchange Treatment Plants (IXTPs) which treat drinking water through a resin media that removes undesired constituents. Operational data is collected and used to optimize treatment processes and practices. Below are graphs depicting chemical usage at the IXTP and well sites over the past five years.





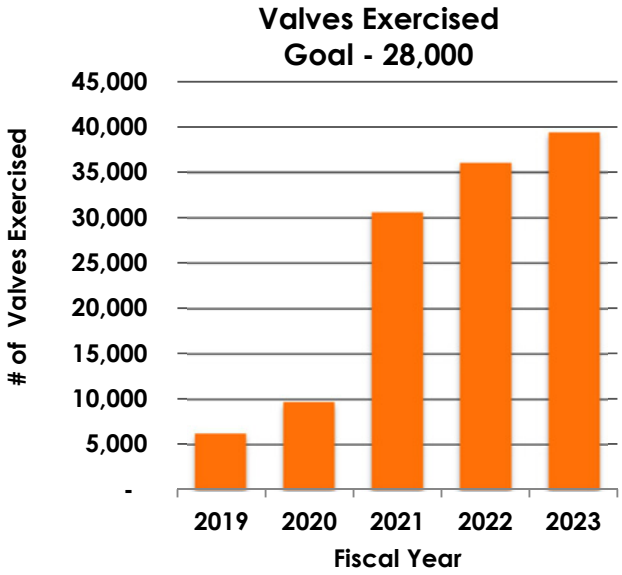
The first graph depicts the amount of water treated at the ion-exchange plants. The second graph shows the amount of water chlorinated. Changes in consumption have a direct correlation to the amount of water chlorinated.

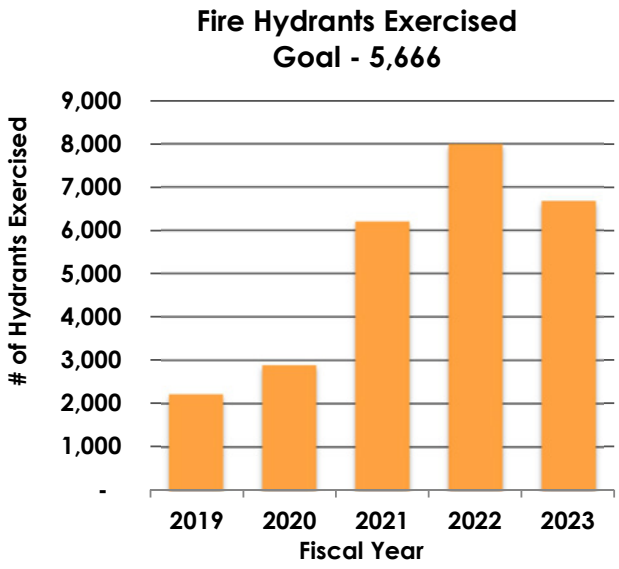


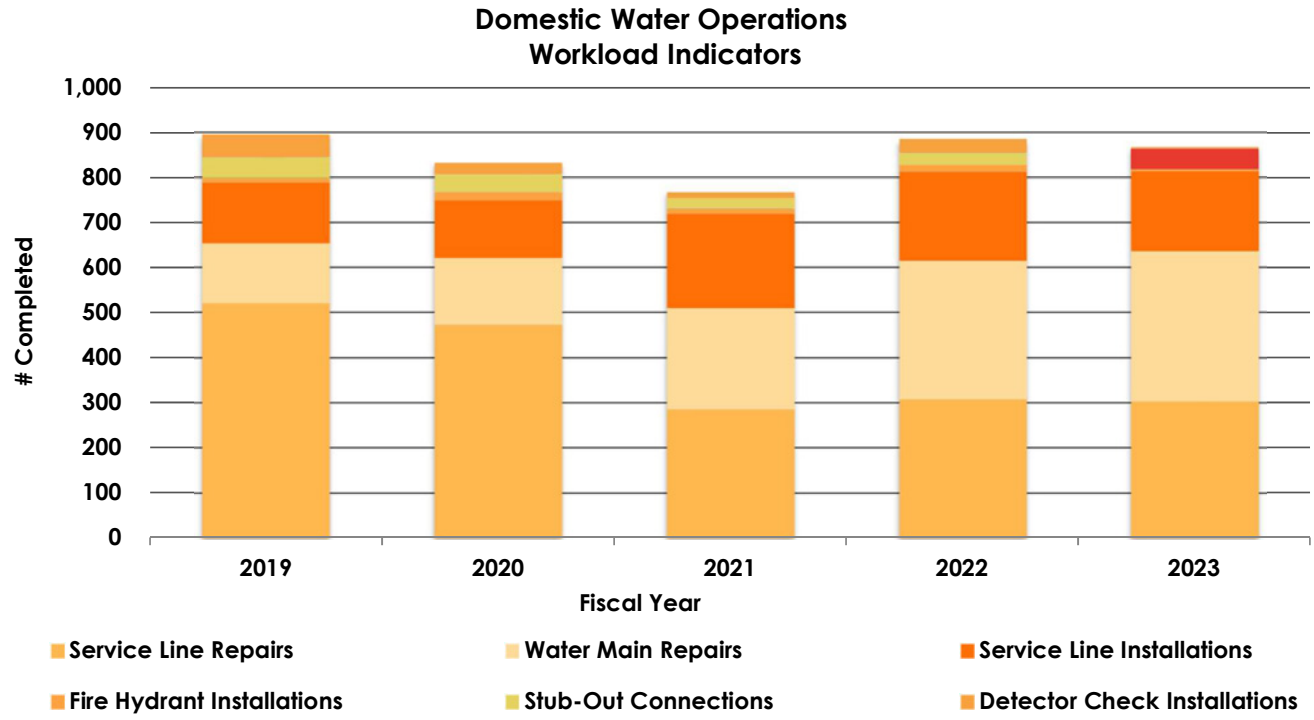


**Treatment Plants did not operate for most of 2021.*

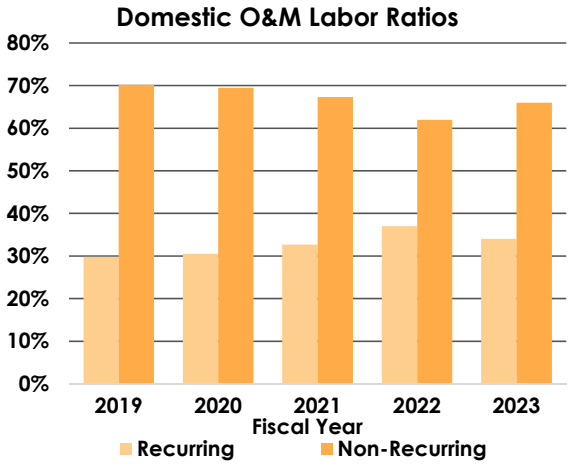
The following graphs show the number of valves and hydrants exercised by the Operations Domestic Water Department. American Water Works Association (AWWA) standards state that all system valves and fire hydrants should be exercised, flushed, and maintained annually.

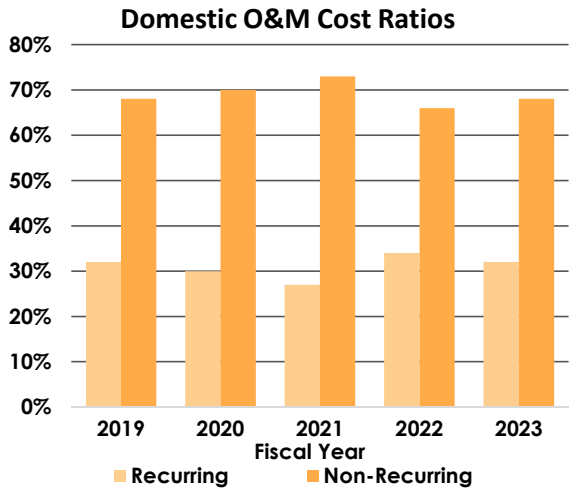






The following graphs reflect the percentage of costs incurred on recurring and nonrecurring expenses for maintenance activities and the percentage of man-hours worked on recurring and nonrecurring activities.





FISCAL YEAR 2022-23 ACCOMPLISHMENTS

Domestic Water

Completed the Comprehensive Proactive Meter Replacement Program, Phase 2.

Completed the Combination Air Valve Upgrade Project, Phase 4.

Completed FY2023 Reservoir Inspections.

Completed the PLC Upgrades Project, Phase 1.

Implemented a Cross-Training Program for operational resiliency.

Implemented new pump set points to increase tank turnover and optimize pump operation.

FISCAL YEAR 2023-24 GOALS

Domestic Water

Complete Comprehensive Proactive Meter Replacement Program, Phase 3.

Complete the Annual Consumption Meter Testing Program.

Complete the Combination Air Valve Upgrade Project, Phase 5.

Complete the Pressure Regulating Stations Upgrade Project, Phase 3.

Complete the PLC Upgrades Project, Phase 2.

Complete Valley Production Zone analysis and improve system operations.

Assistant Director of Operations & Maintenance - Sanitation	
Vacant	

Wastewater	1
Operations Manager	1

Sanitation Collections	1
Collections Supervisor	1

Sanitation Collections	19
Collections Construction Crew Chief	1
Collection Systems I	3
Collection Systems Trainee	2
Collections Maintenance Crew Chief	1
Collection Systems I	2
Collection Systems Trainee	3
Collections Operations Crew Chief	1
Collection Systems I	3
Collection Systems Trainee	3

Mechanical	1
Mechanical Supervisor	1

Mechanical	10
Mechanical Crew Chief	1
Mechanical Technician III	1
Mechanical Technician II	5
Mechanical Technician I	3

Nonpotable Water / Control	1
Nonpotable Ops Water Manager	1

Nonpotable Water / Control	14
Nonpotable Crew Chief	1
Nonpotable Water Technician II	1
Cross-Connection Technician III	1
Cross-Connection Technician I	1
Control Crew Chief	1
Control Operator II	3
Control Operator I	3
Control Operator Trainee	2
Irrigation Water Specialist	1

Wastewater Reclamation Plant 1,2,4	1
Wastewater Reclamation Plant Supervisor	1

Wastewater Reclamation Plant 1,2,4	6
WRP Assistant Supervisor	2
WRP Operator II	2
WRP Operator I	2

Wastewater Reclamation Plant 7	1
Wastewater Reclamation Plant Supervisor	1

Wastewater Reclamation Plant 7	8
WRP Assistant Supervisor	2
WRP Operator II	2
WRP Operator I	2
WRP Operator I	1
WRP Operator in Training	1

SANITATION / NONPOTABLE WATER DIVISION DESCRIPTIONS

Sanitation is responsible for the daily operation of CVWD's wastewater collection and treatment, which includes optimizing treatment processes and recycling wastewater and biosolids to ensure safe and effective handling of wastewater in accordance with all standards. Nonpotable Water is responsible for the daily operation of the nonpotable water system, the mid-valley pump station, the Palm Desert Groundwater Replenishment Facility, cross-connection testing, and required monitoring and reporting by the State Water Resources Control Board (SWRCB)and maintenance of the distribution system. The Sanitation branch also manages and operates CVWD's Control Room, which monitors, analyzes, and responds to all alarms, handles after-hour emergencies, dispatches standby staff, and operates the Coachella Canal. Sanitation / Nonpotable/Control Operations concentrates on the following functions and activities:

Sanitation Collections

Provides first responder services for all sanitary/collection system-related issues while maintaining operations 24 hours/day and 7 days/week.

Collects and safely conveys wastewater through 1,129 miles of pipeline to one of five wastewater reclamation plants for treatment.

COLLECTIONS CONSTRUCTION

Installs, repairs, reconstruct, and relocates collection systems and nonpotable water distribution system infrastructure.

Assists with the maintenance and repairs of infrastructure at all Water Reclamation Plants.

Manage odor control program for Collections System.

COLLECTIONS MAINTENANCE

Responsible for Jetting/Cleaning Preventative Maintenance Program for the Collections System.

Cleans lift station wet wells, performs manhole maintenance, and responds to customer service calls related to the Collections System.

Oversee the root control program for the Collections System.

COLLECTIONS OPERATIONS

Completes lift station inspections and cleaning, air relief valve maintenance and repair, and video inspection of the Collection System.

Inspects the force main system.

Install bypass protection systems and troubleshoot problem areas.

Sanitation Operations Workload Measures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Vactor/Jetting of Lines - Linear Feet*	443,740	1,229,409	1,310,484	931,767	524,985
Manholes Inspected	13,321	7,097	13,453	10,633	6,513
Air Vac Maintenance	1,540	1,442	1,785	1,696	1,661
Video Assessment of Lines - Linear Feet*	161,693	437,425	566,310	343,430	403,339

** Includes combined footage completed by CVWD forces & Contractor for FY 2020, 2021, 2022*

Mechanical

Performs maintenance, repair, and replacement of mechanical equipment at CVWD's wastewater reclamation plants, lift stations, and pumping plants.

Coordinates the design and construction requirements for mechanical equipment pertaining to the various wastewater systems.

Nonpotable Water

Nonpotable Crew

Assists customers in maximizing the use of recycled and canal water to reduce reliance on groundwater pumping in order to protect the Coachella Valley's potable water supply.

Markets and promotes the use of nonpotable water throughout the community and holds an annual training event for recycled water customers.

Performs cross-connection testing for each site that uses recycled water, as regulated by State Water Resource Control Board and Regional Water Quality Control Board.

Ensures that customers irrigating with recycled water are abiding by recycled water regulations.

Operates and maintains the nonpotable water distribution system and appurtenances.

Operates the Palm Desert Replenishment facility.

Operates the Mid-Valley Pump Station.

CONTROL

Provides SCADA system monitoring and analysis of all enterprises, including domestic, sanitation, irrigation, stormwater, nonpotable, and other related security systems.

Operates the Coachella Canal, including conveyance, balancing water orders, and water deliveries to the irrigation distribution system.

Provides emergency phone service, dispatch call-outs, system troubleshooting, and public access to CVWD 24 hours/day, 7 days/week.

Heads the Alarm Management Program to minimize unnecessary frequent and nuisance alarms and ensures that all SCADA alarms are monitored, acknowledged, analyzed, and responded to.

Control Workload Measures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Average Number of Alarms per Shift	290	258	846	530	662
Average Number of Critical Alarms per Shift	22	16	45	37	43
Number of SCADA Alarms per Year	318,046	282,661	641,920	581,325	483,070

Wastewater Reclamation Plants (WRPs)

Operates CVWD's wastewater reclamation plants, including the following:

WRPs 1 and 2 treat wastewater by utilizing sludge lagoons and treated effluent percolation ponds, which help replenish the area's groundwater supply.

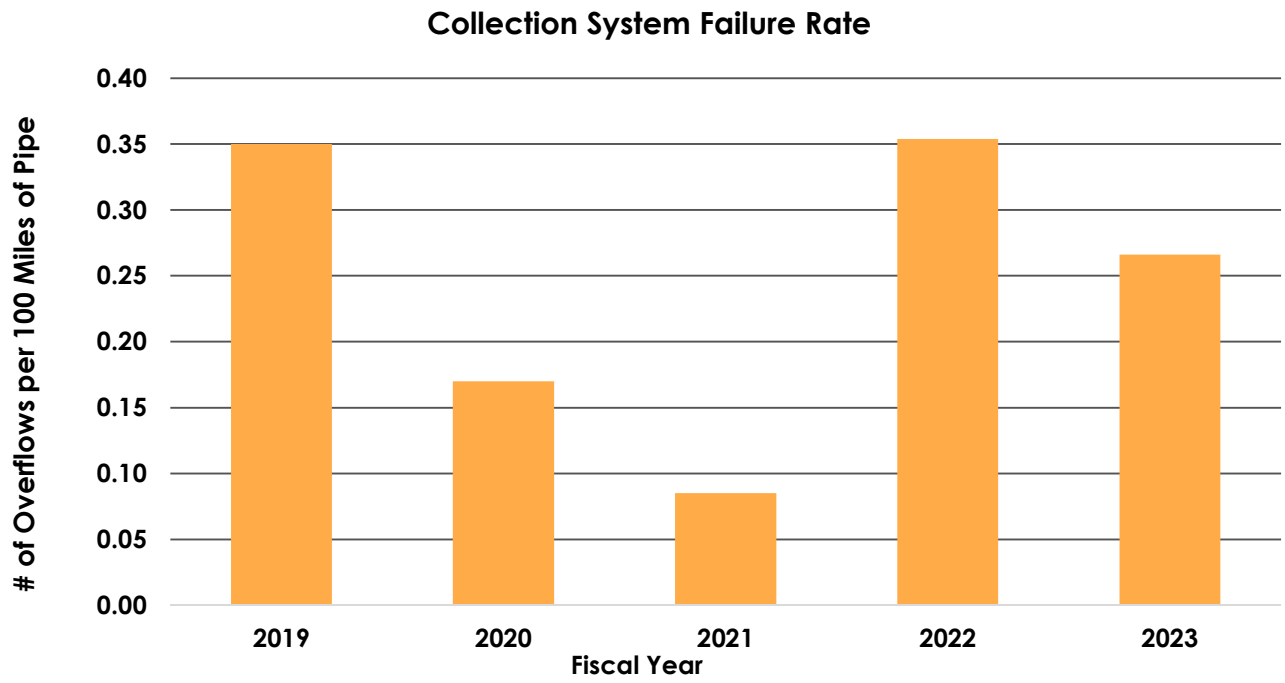
WRP 4 consists of two secondary treatment processes to treat wastewater: Biolac-activated sludge and sludge lagoon treatment. Disinfection is achieved through chlorination, and the final effluent is de-chlorinated prior to discharge to meet strict regulatory standards. In addition to the treatment of the wastewater, WRP 4 produces unclassified Biosolids for beneficial reuse.

WRP 4 discharges into the Coachella Valley Stormwater Channel and is the District's only plant with a National Pollutant Discharge Elimination System (NPDES) permit.

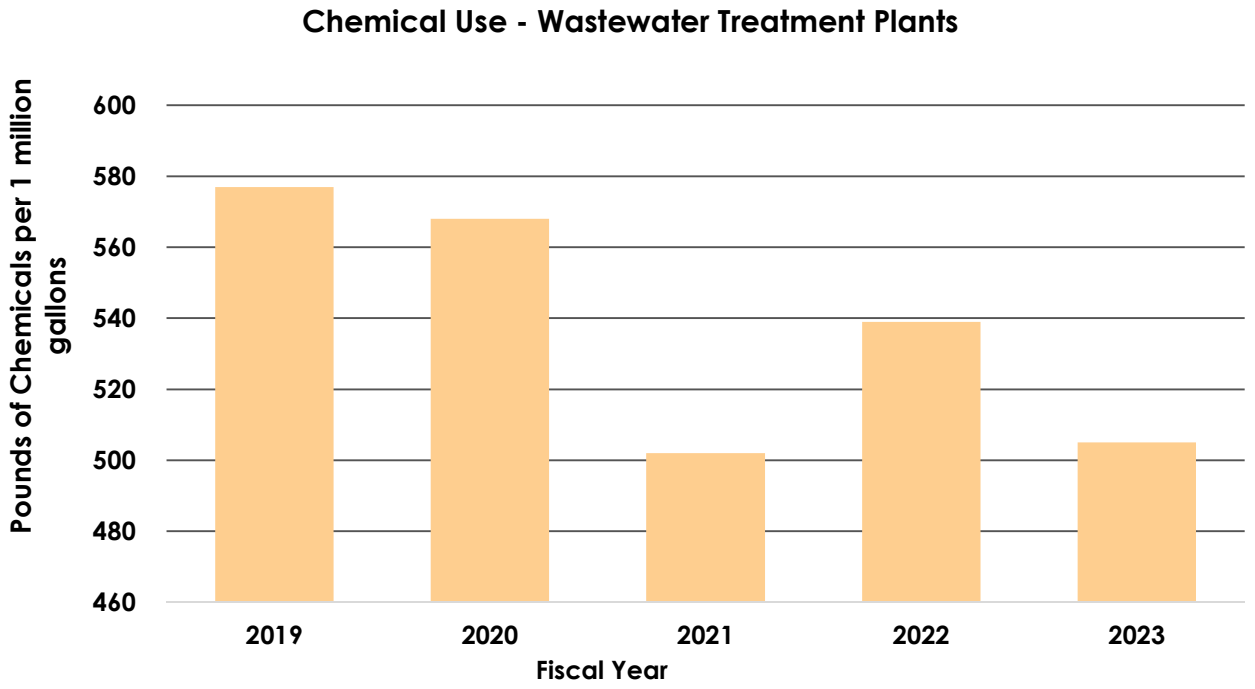
WRPs 7 and 10 are Conventional Activated Sludge Plants that produce secondary and tertiary treated effluent disinfected with chlorine gas to meet CCR Title 22 state standards for nonpotable water for golf course and landscape irrigation. In addition to the treatment of the wastewater, WRP 7 and 10 produce unclassified Biosolids for beneficial reuse. WRPs 7 and 10 operate under Waste Discharge Requirement (WDR) Permits.

Sanitation Metrics

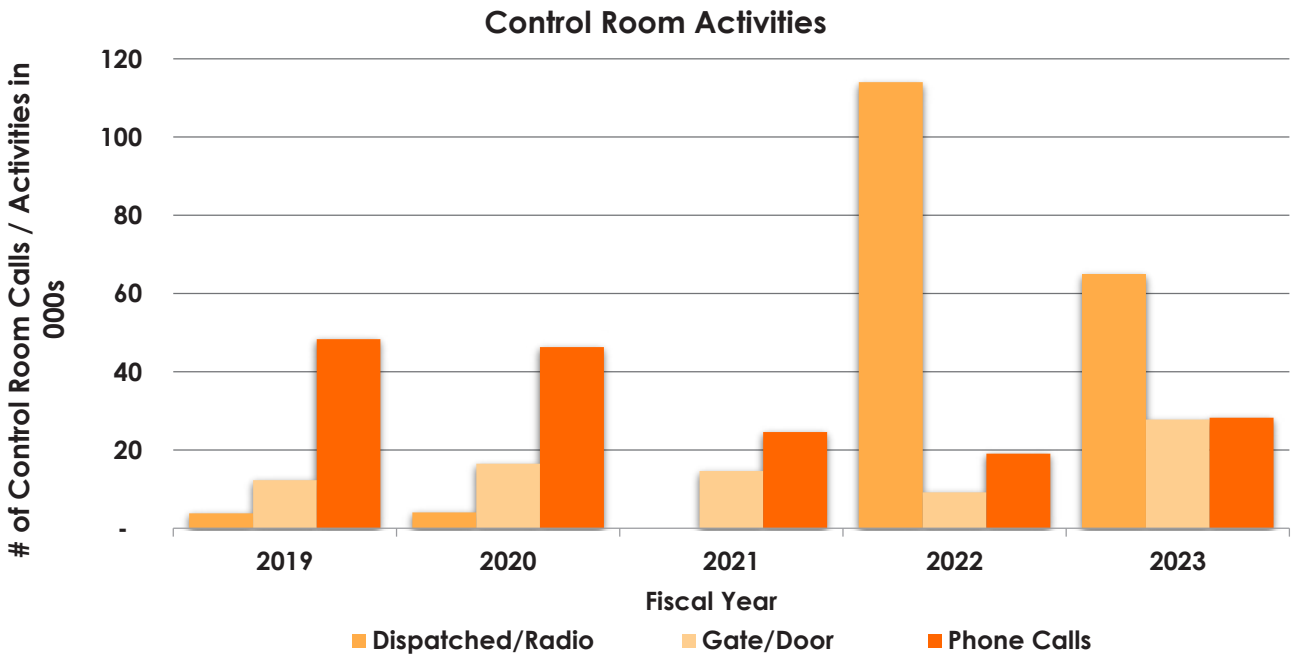
The following graph depicts the District's collection system fail rate, or the number of overflows the District has experienced per 100 miles of pipe. The District's collection system includes 1,129 miles of pipe.



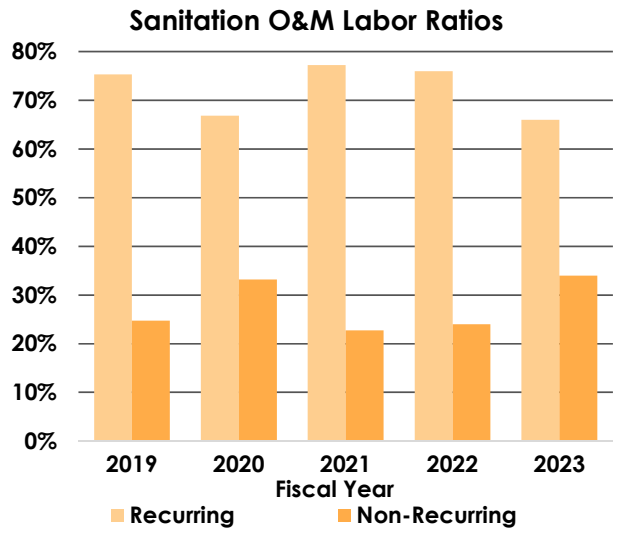
At wastewater treatment plants, chemicals are used in various treatment processes to clean the water and ensure it can be safely released into the environment. CVWD collects data on the operations to optimize treatment processes and practices. The graph depicts chemical usage at the wastewater treatment plants over the past five years.

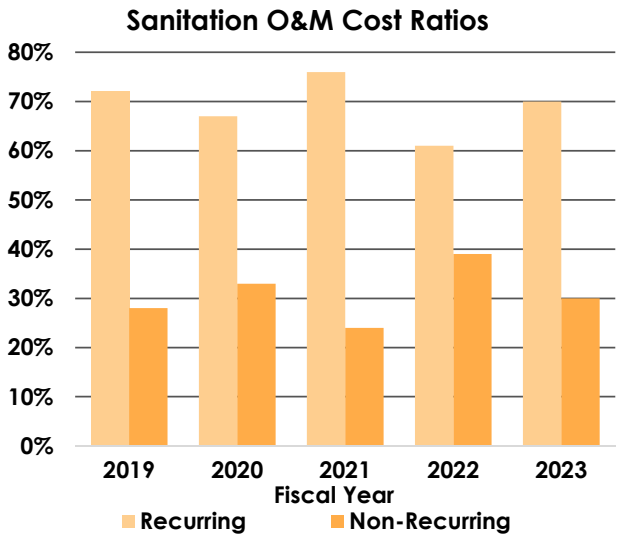


The following graph reflects the total calls received, the number of gate/door entries facilitated, and the number of dispatched/radio calls placed by Control annually.



The following graphs reflect the percentage of costs incurred on recurring and nonrecurring expenses for maintenance activities and the percentage of hours worked on recurring and nonrecurring activities.





FISCAL YEAR 2022-23 ACCOMPLISHMENTS

Sanitation

Completed implementing odor control mitigation strategies in key areas of the Wastewater system.

Completed developing and implementing a Water Information Management Solution (WIMs) Collections Program for CCTV, CLM, and system inspection.

Completed a pilot Underground Piping Composite Plan for WRP 10.

Initiated a Pump Efficiency Overhaul Program for all pumps at the Mid-Valley Pump Station and Palm Desert Ground Water Replenishment Facility.

Developed a canal operating guideline manual to be used for daily operations in the Control Center.

Completed equipment optimization programs, resulting in over $70,000/year in energy savings for the District.

FISCAL YEAR 2023-24 GOALS

Sanitation

Develop and Implement a WRP cross-training program.

Develop and update new blower control strategies for energy optimization and efficiency.

Update and implement the Sanitary Sewer Master Plan to reflect newly required State regulatory guidelines and new emergency spill response and mitigation strategies.

Develop and implement the Alarm Management Program.

Develop and implement the Service Desk Program for Control.

Develop and implement a Water Information Management Solution (WIM) for the Nonpotable Water Program.

Assistant Director of Operations & Maintenance - Facilities & Maintenance

Chad Austin

Operations	1
Operations Manager	1

Canal & Irrigation Distribution	17
Canal & Irrigation Distribution Sup.	1
Canal Crew Chief	1
Irrigation Distribution Crew Chief	1
Meter Repair Worker II	1
Irrigation Utility Worker II	2
Irrigation Utility Worker I	4
Irrigation System Worker III	1
Irrigation System Worker II	3
Irrigation System Worker I	3

Facilities Maintenance	7
Facilities Maintenance Supervisor	1
Senior Facilities Worker	1
Facilities Worker	5

Zanjeros	19
Zanjero Crew Chief	2
Zanjero III	3
Zanjero II	1
Zanjero I	3
Zanjero Trainee	8
Irrigation Technician	1
Department Aide/Crop Reporter	1

Building Maintenance	17
Building Maintenance Supervisor	1
Maintenance Crew Chief	1
Building Maintenance Trades Worker	6
Maintenance Worker	4
Welding Crew Chief	1
Welder II	2
Welder I	2

Electrical	25
Electrical Supervisor	1
Electrical Crew Chief	2
Electrician IV	2
Electrician III	1
Electrician II	6
Electrician I	5
HVAC Technician II	2
HVAC Technician I	1
Pump Maintenance Crew Chief	1
Maintenance Worker	4

Stormwater & Drainage	16
Stormwater & Drainage Maint. Supv.	1
Stormwater & Drainage Crew Chief	1
Equipment Operator II	4
Equipment Operator I	10

Electronics	17
Electronics Supervisor	1
Assistant Electronics Supervisor	1
Electronics Technician III	1
Electronics Technician II	3
Electronics Technician I	9
Electronics Technician Trainee	2

Motorpool - Auto Shop	18
Fleet Manager	1
Autoshop Supervisor	1
Crew Chief	2
Automotive Technician III	2
Automotive Technician II	4
Automotive Technician I	5
Parts Specialist II	1
Parts Specialist I	1
Auto Shop Attendant	1

FACILITIES & MAINTENANCE DIVISION DESCRIPTIONS

Facilities & Maintenance performs a wide range of technical and support services, including the following:

Stormwater & Drainage

Maintains the Whitewater River and Coachella Valley Stormwater Channels, their tributaries, the drainage system, and the protective dikes.

Operates and maintains the Whitewater Groundwater Replenishment Facility.

Provides heavy equipment support services throughout CVWD.

Canal

Maintains the Coachella Canal, including radial gates, canal access roads, slopes, and lateral turnouts.

Operates and maintains the Quagga Mussel Treatment Facility.

Irrigation Distribution

Maintains the Irrigation Distribution System, including 485 miles of pipeline and over 1,200 irrigation meters.

Performs valve replacement, pipe repair, and replacement of distribution laterals through coordinated outages.

Facilities Maintenance

Maintains the landscaping for all CVWD campuses and CVWD-owned facilities throughout the service area.

Manages on-call maintenance contracts for well sites and undeveloped CVWD properties.

Zanjeros

Delivers canal water to the farming community, golf courses, and other customers through the irrigation delivery system and Mid-Valley Pipeline.

Conveys canal water to the Water Reclamation Plants (WRPs) 7 and 10 for blending purposes and to the Palm Desert and the Thomas E. Levy Groundwater Replenishment Facilities.

Electrical

Maintains all electrical equipment for all CVWD facilities.

Provides electrical design reviews for capital improvement projects.

HVAC MAINTENANCE

Maintains all heating, ventilating, and air conditioning (HVAC) equipment for all CVWD facilities.

Maintains the energy management system software program to ensure optimization of heating/cooling of CVWD facilities.

PUMP MAINTENANCE

Maintains all domestic, irrigation, drainage, and recharge pumps and motors.

Responsible for deep-well video recording and analysis, pump troubleshooting, and vibration analysis.

Building Maintenance

Maintains all CVWD Campuses and provides support services for all Departments.

Performs all steel design and fabrications, concrete work, and special coatings/sealants for all CVWD infrastructure.

Electronics

Provides electronic and instrumentation design reviews for capital improvement projects.

Maintains all programmable logic control systems and related instrumentation for all domestic, sanitation, irrigation, and nonpotable facilities.

Motorpool – Auto Shop

Maintains and services all 976 vehicles and equipment within the CVWD fleet.

Manages all CVWD vehicles and equipment, including procurement and disposal.



CVWD Coachella Control Room

Facilities & Maintenance Metrics

Facilities & Maintenance Workload Measures	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Stormwater & Drainage					
Vegetation Maintenance of Stormwater Channel (Linear Feet)	313,760	453,666	317,381	115,752	68,640
Percolation Ponds Ripped	9	20	33	28	21
Percolation Pond Sediment Excavation (Cubic Yards)	103,509	142,910	37,665	-	65,668
Maintenance of Service Roads (Miles)	119	70	87	206	100
Canal					
Concrete Panel Replacement	-	-	4	5	3
Maintenance of Radial Gates	4	2	1	2	1
Maintenance of Canal Service Roads (Miles)	142	235	270	84	175
Distribution					
Replacement of Distribution Valves	25	25	48	31	24
Repair of Distribution Valves	80	72	88	69	57
Distribution Leak Repairs	89	69	85	82	63
Replacement of Distribution Laterals (Linear Feet)	533	1,093	639	1,726	2,857
Facilities Maintenance					
Maintenance of District Facilities	812	705	717	926	966
Inspection of District Facilities	2,768	1,825	2,024	1,958	2,443
Weed Abatement of Facilities	253	219	231	165	346
Electronics					
Plant Instrumentation Calibrations	671	471	744	822	968
Preventative Maintenance of Communication Systems	135	68	63	92	87
Maintenance of Weather Stations	31	39	37	48	48
Electrical					
Electrical Preventive Maintenance Work Activity	213	140	94	849	2,440
HVAC Maintenance					
HVAC System Preventive Maintenance Work Activity	2,254	2,202	1,950	1,212	1,606
Pump Maintenance					
Pump Preventive Maintenance Work Activity	1,460	1,320	1,243	1,888	2,568
Building Maintenance					
Graffiti Removal	40	27	120	65	42
Irrigation Meter Can Locking Devices	88	86	80	85	72
Extension of Irrigation Valve Stems	72	65	68	68	52
Zanjeros					
Valves Exercised Annually - Goal 1,000	1,032	1,230	1,008	1,240	1,558
Acre-feet Recharged at TEL	30,485	36,075	38,016	38,092	9,074
Irrigable Acres (calendar year)	77,103	77,121	78,046	N/A	N/A
Motorpool - Auto Shop					
Fleet Capital Improvement Projects Completed	100%	100%	99%	8%	100%
Vehicle Out of Service Percentage - Goal 8% or less	4.9%	3.7%	2.0%	9.0%	7.7%

The following tables reflect the percentage of costs incurred on recurring and nonrecurring expenses for maintenance activities and the percentage of hours worked on recurring and nonrecurring activities by division for the past five years.

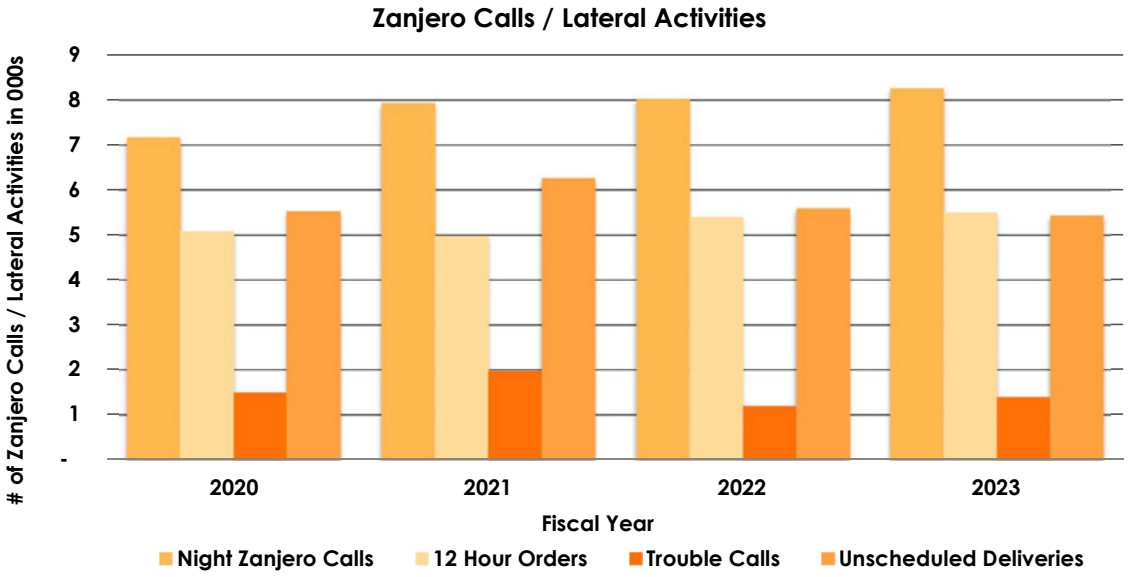
Facilities & Maintenance O&M Cost Ratios

Rec = Recurring Expense *Non = Non-Recurring Expense*	FY 2019		FY 2020		FY 2021		FY 2022		FY 2023	
	Rec	Non	Rec	Non	Rec	Non	Rec	Non	Rec	Non
Stormwater & Drainage										
Stormwater & Drainage	57%	43%	19%	81%	69%	31%	54%	46%	43%	59%
Canal & Distribution System Maintenance										
Canal Distribution Maintenance	14%	86%	6%	94%	13%	87%	18%	72%	16%	84%
Canal Maintenance	76%	24%	84%	16%	81%	19%	89%	11%	85%	15%
Facilities Maintenance										
Carpenter Shop	5%	95%	6%	94%	18%	82%	21%	79%	22%	78%
Welding Shop	0%	100%	14%	86%	4%	96%	12%	88%	0%	100%
Facilities Maintenance	87%	13%	80%	20%	74%	26%	74%	26%	75%	25%
Electronics										
Electronic Technicians	8%	92%	5%	95%	11%	89%	16%	84%	17%	83%
Electrical										
Electricians	21%	79%	19%	81%	15%	85%	24%	76%	22%	78%
HVAC Maintenance	51%	49%	58%	42%	51%	49%	50%	50%	43%	57%
Pump Maintenance										
Pump Maintenance	15%	85%	30%	70%	32%	68%	30%	70%	26%	74%
Combined Ratio Facilities & Maintenance	**39%**	**61%**	**43%**	**57%**	**47%**	**53%**	**46%**	**54%**	**41%**	**59%**

Facilities & Maintenance O&M Labor Hour Ratios

Rec = Recurring Expense *Non = Non-Recurring Expense*	FY 2019		FY 2020		FY 2021		FY 2022		FY 2023	
	Rec	Non	Rec	Non	Rec	Non	Rec	Non	Rec	Non
Stormwater & Drainage										
Stormwater & Drainage	53%	47%	37%	63%	59%	41%	42%	58%	26%	74%
Canal & Distribution System Maintenance										
Canal Distribution Maintenance	19%	81%	9%	91%	17%	83%	32%	68%	26%	74%
Canal Maintenance	61%	39%	67%	33%	66%	34%	54%	46%	44%	56%
Facilities Maintenance										
Carpenter Shop	8%	92%	6%	94%	22%	78%	27%	73%	28%	72%
Welding Shop	0%	100%	14%	86%	4%	96%	14%	86%	0%	100%
Facilities Maintenance	87%	13%	80%	20%	75%	25%	75%	25%	76%	24%
Electrical										
Electricians	19%	81%	18%	82%	14%	86%	29%	71%	29%	71%
HVAC Maintenance	56%	44%	59%	41%	54%	46%	61%	39%	61%	39%
Pump Maintenance										
Pump Maintenance	56%	44%	67%	33%	59%	41%	67%	33%	66%	34%
Electronics										
Electronic Technicians	8%	92%	4%	96%	7%	93%	13%	87%	16%	84%
Combined Ratio Facilities & Maintenance	**35%**	**65%**	**42%**	**58%**	**44%**	**56%**	**44%**	**56%**	**40%**	**60%**

The following graph depicts the various Zanjero calls and lateral activities that are responded to annually.



FISCAL YEAR 2022-23 ACCOMPLISHMENTS

Facilities and Maintenance

Completed Coachella Canal Panel Maintenance/Replacement Project, Phase 2.

Completed planned replacement of three in-line Irrigation Distribution meters.

Completed well rehabilitation and new pump installation at Well No. 5711.

Completed Coachella Roof Safety Project, Phase 1.

Completed Coachella Board Conference Room Remodel Project.

Completed Potable Telemetry Upgrade Project, Phase 1.

FISCAL YEAR 2023-24 GOALS

Facilities and Maintenance

Complete Coachella Roof Safety Project, Phase 2.

Complete 13 Sanitation lift station control panels to Emerson Programmable Logic Controllers upgrades.

Complete a zero-emission fleet study.

Complete Irrigation-Distribution System improvements as recommended by the B.O.R. Inspection Report.

Develop and implement a Generator Load Testing Program for WRP 7.

Facilitate the procurement of the Potable Telemetry PLC panels, Phase 3.

Operations & Maintenance Department	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Expenses by Type						
Salaries and Wages	$ 28,192,787	$ 30,080,927	$ 30,708,392	$ 32,496,898	$ 1,788,506	5.8%
Employee Benefits	17,672,034	17,228,129	20,539,654	19,683,294	(856,360)	-4.2%
Outside Labor	-	34,064	-	-	-	-
Professional Development	136,261	147,904	192,430	218,230	25,800	13.4%
Professional Services	441,154	395,445	720,800	270,800	(450,000)	-62.4%
Utilities	21,454,129	22,630,444	22,935,289	23,067,570	132,281	0.6%
Materials and Supplies	12,863,523	15,836,652	12,313,318	13,419,165	1,105,847	9.0%
Motorpool	6,025,409	6,026,737	5,489,905	5,903,867	413,962	7.5%
Contract Services	7,052,719	9,082,020	10,061,306	9,707,554	(353,752)	-3.5%
Safety	134,084	180,402	173,350	182,500	9,150	5.3%
Miscellaneous Expense	235,532	464,620	385,038	386,712	1,674	0.4%
Capital Outlay	579,676	481,217	159,495	426,133	266,638	167.2%
Total	**$ 94,787,307**	**$ 102,588,563**	**$ 103,678,977**	**$ 105,762,723**	**$ 2,083,746**	**2.0%**
Expenses by Division						
Administration	$ 2,047,961	$ 1,940,064	$ 2,298,310	$ 1,738,676	$ (559,634)	-24.3%
Buildings and Facilities	1,488,799	1,687,785	1,610,111	2,241,287	631,176	39.2%
Administration	648,219	672,246	677,543	711,474	33,931	5.0%
Carpentry	1,869,093	1,979,197	1,927,754	1,820,450	(107,304)	-5.6%
Welding	980,813	845,541	970,827	841,645	(129,182)	-13.3%
Administration	672,585	585,389	685,042	737,342	52,300	7.6%
FM Workers	693,600	758,500	758,851	864,171	105,320	13.9%
Administrative	707,931	862,845	934,312	960,711	26,399	2.8%
Electricians	3,213,161	5,116,971	5,264,400	3,593,890	(1,670,510)	-31.7%
Pump Maintenance	1,152,362	1,488,488	1,443,875	1,468,666	24,791	1.7%
Air Conditioners	596,070	754,127	607,625	616,614	8,989	1.5%
Administration	1,264,958	1,271,811	1,406,989	1,699,055	292,066	20.8%
Distribution Maintenance	1,373,806	1,534,630	1,286,747	1,357,750	71,003	5.5%
Canal Maintenance	3,337,253	4,082,662	4,183,269	4,368,652	185,383	4.4%
Administration	1,049,827	1,010,199	1,078,953	1,357,615	278,662	25.8%
Electronic Technicians	2,960,473	3,306,830	3,181,735	3,312,233	130,498	4.1%
Administration	439,746	424,334	507,344	536,961	29,617	5.8%
Stormwater Drainage Crew	4,680,806	5,266,300	5,552,406	5,984,535	432,129	7.8%
Administration	807,302	814,833	1,066,650	1,092,699	26,049	2.4%
Zanjeros	3,673,169	2,783,431	4,098,172	2,861,771	(1,236,401)	-30.2%
Administration	1,083,386	1,197,813	1,251,038	1,594,472	343,434	27.5%
Emergency Response	123,808	40	-	-	-	-
Control	1,376,476	1,429,527	1,555,637	1,492,940	(62,697)	-4.0%
Nonpotable Admin	219,921	228,741	246,275	252,784	6,509	2.6%
Production Admin	561,478	493,686	546,939	583,034	36,095	6.6%
Construction Admin	301,605	282,991	306,481	327,073	20,592	6.7%
Wastewater Admin	284,628	315,042	368,200	378,921	10,721	2.9%
Nonpotable Operations	1,522,502	1,595,313	1,514,201	1,726,599	212,398	14.0%
Administration	14,084,125	15,012,233	15,242,705	16,228,327	985,622	6.5%
Date Palm	1,245,554	1,245,765	1,277,358	1,351,557	74,199	5.8%
Valley	1,251,658	1,312,498	1,301,353	1,349,573	48,220	3.7%
Leak Repair	1,274,975	1,458,744	1,330,182	1,374,563	44,381	3.3%
Service Installation	1,270,796	1,270,501	1,323,297	1,286,313	(36,984)	-2.8%
Ops Met Sys - Leak Detect	144	-	-	-	-	-
La Quinta	1,276,052	1,248,105	1,242,458	1,321,554	79,096	6.4%
Back Flow	1,297,942	1,493,179	1,217,125	1,422,395	205,270	16.9%
Ops Met Sys - Meter Rpr	2,875,226	2,809,175	2,428,294	2,297,716	(130,578)	-5.4%
Treatment Administration	249,194	253,354	277,444	283,083	5,639	2.0%
West Shore	2,292,252	2,202,746	2,208,020	2,146,777	(61,243)	-2.8%
Facility/Leak Detection	1,304,089	1,265,767	1,371,216	1,455,652	84,436	6.2%
System Maintenance	733,924	714,215	780,684	881,628	100,944	12.9%
Maintenance Admin	481,210	576,137	518,338	674,624	156,286	30.2%
Valve Repair	1,212,499	1,182,297	1,135,778	1,181,943	46,165	4.1%

Operations & Maintenance Department	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Expenses by Division						
Hydrant Maintenance	955,623	1,070,583	1,050,205	1,087,662	37,457	3.6%
Pressure Control Devices	1,303,587	1,851,556	1,417,199	1,329,317	(87,882)	-6.2%
Domestic Maintenance	1,356,188	1,351,728	1,490,252	1,408,435	(81,817)	-5.5%
Construction Admin	269,342	280,121	301,002	322,348	21,346	7.1%
Construction Crew 1	1,773,404	1,564,798	1,497,790	1,659,615	161,825	10.8%
Emergency Response Crew	673,875	746,202	444,307	655,282	210,975	47.5%
Collections Admin	466,112	503,920	507,309	514,297	6,988	1.4%
Collections Construction	884,994	1,116,940	1,323,297	1,085,516	(237,781)	-18.0%
Collections Maintenance	1,429,915	1,133,700	1,584,312	1,720,307	135,995	8.6%
Collections Operations	849,693	965,062	1,109,776	1,174,643	64,867	5.8%
1,2,4 Administration	1,824,337	1,948,838	1,781,934	1,739,009	(42,925)	-2.4%
WRP 7,9 Administration	1,083,115	1,215,497	1,116,970	1,094,520	(22,450)	-2.0%
WRP 10 Administration	2,444,021	3,360,531	2,699,118	2,904,109	204,991	7.6%
WRP 1,2,4 Operations	1,432,291	1,842,006	1,694,466	1,937,348	242,882	14.3%
WRP 7,9 Operators	1,606,080	1,768,956	1,859,826	1,893,330	33,504	1.8%
WRP 10 Operators	3,676,861	4,065,306	3,921,614	4,295,822	374,208	9.5%
Administration	212,268	222,239	227,259	241,341	14,082	6.2%
Mechanical Technicians	2,564,224	2,806,528	2,668,403	2,922,097	253,694	9.5%
Total	**$ 94,787,307**	**$ 102,588,563**	**$ 103,678,977**	**$ 105,762,723**	**$ 2,083,746**	**2.0%**
Expenses by Fund						
Domestic Water	$ 47,137,889	$ 50,142,269	$ 50,114,662	$ 50,413,094	$ 298,432	0.6%
Canal Water	12,622,024	14,219,321	14,936,927	15,944,626	1,007,699	6.7%
West Whitewater Replenishment	2,712,354	3,971,890	3,702,324	4,177,852	475,528	12.8%
Mission Creek Replenishment	1,184	-	-	-	-	-
East Whitewater Replenishment	2,636,789	1,407,610	2,038,251	745,729	(1,292,522)	-63.4%
Sanitation	25,080,333	27,991,919	27,607,319	28,872,171	1,264,852	4.6%
Stormwater Fund	4,020,071	4,604,680	5,034,800	5,345,867	311,067	6.2%
Motor Pool Fund	576,664	250,875	244,694	263,384	18,690	7.6%
Total	**$ 94,787,307**	**$ 102,588,563**	**$ 103,678,977**	**$ 105,762,723**	**$ 2,083,746**	**2.0%**

* *Unaudited*

Motorpool Department	FY 2022 Actual	FY 2023 Actual*	FY 2023 Budget	FY 2024 Budget	Budget Change	% Change
Expenses by Type						
Salaries and Wages	$ 1,691,441	$ 1,815,233	$ 1,740,078	$ 1,884,851	$ 144,773	8.3%
Employee Benefits	1,072,380	1,041,758	1,173,578	1,186,111	12,533	1.1%
Professional Development	6,500	11,329	14,500	14,500	-	-
Self-Insurance Costs	-	(2,660)	-	-	-	-
Utilities	1,288	2,610	3,000	3,000	-	-
Materials and Supplies	950,363	1,145,033	861,500	861,500	-	-
Motorpool	173,949	182,098	140,000	140,000	-	-
Contract Services	534,585	449,614	421,229	591,229	170,000	40.4%
Safety	10,000	10,107	5,600	6,048	448	8.0%
Miscellaneous Expense	(18,615)	3,853	1,500	1,500	-	-
Capital Outlay	-	-	-	250,000	250,000	-
Total	**$ 4,421,890**	**$ 4,658,975**	**$ 4,360,985**	**$ 4,938,739**	**$ 577,754**	**13.2%**
Expenses by Division						
Administration	$ 918,239	$ 982,193	$ 983,959	$ 1,027,638	$ 43,679	4.4%
Auto Shop	3,234,059	3,335,048	3,111,700	3,519,801	408,101	13.1%
Service Station	269,591	341,734	265,326	391,300	125,974	47.5%
Total	**$ 4,421,890**	**$ 4,658,975**	**$ 4,360,985**	**$ 4,938,739**	**$ 577,754**	**13.2%**
Expenses by Fund						
Domestic Water	$ 93,936	$ 141,522	$ 73,500	$ 121,939	$ 48,439	65.9%
Canal Water	16,061	25,447	21,000	34,840	13,840	65.9%
East Whitewater Replenishment	2,382	6,158	4,200	6,969	2,769	65.9%
Sanitation	88,445	118,047	84,000	139,358	55,358	65.9%
Stormwater Fund	723	-	-	-	-	-
Motor Pool Fund	4,220,343	4,367,801	4,178,285	4,635,633	457,348	10.9%
Total	**$ 4,421,890**	**$ 4,658,975**	**$ 4,360,985**	**$ 4,938,739**	**$ 577,754**	**13.2%**

* *Unaudited*

CAPITAL IMPROVEMENTS



What are Capital Improvements?

Capital improvements include the purchase, construction, replacement, addition, or major repair of public facilities, infrastructure, and equipment. The selection and evaluation of capital projects involve analysis of District requirements, growth assumptions, evaluation of age, risk of failure, and consideration of historical perspectives. A capital project has a monetary value of at least $10,000, a useful life of more than a year, and results in the creation or revitalization of a fixed asset. A capital project is significantly larger than other smaller capital outlay items included in the annual operating budget. Vehicles and heavy equipment are considered capital assets by the District for the purpose of financial planning.

Capital Asset Policy

CVWD has a significant investment in various capital assets used to provide services to customers. Per the District's Capital Asset Policy, an asset costing $10,000 or more and with a useful life of more than one year is depreciated for financial accounting purposes. A capital asset acquired with federal grant funds is capitalized if the cost is greater than $5,000. Land is not subject to capitalization thresholds. All land purchases, regardless of cost, are capitalized and are non-depreciable. In addition, water rights are not subject to capitalization thresholds. All water rights purchases are capitalized and are non-depreciable, regardless of cost.

What is the Capital Improvement Plan (CIP)?

The CIP is a multiyear plan used to identify and coordinate public facility and equipment needs in a way that maximizes the return to ratepayers. Planning for District projects helps the Board, staff, and public make choices based on anticipated needs rather than reacting to events as they occur. The CIP represents improvements or replacements that are viewed as critical and have a funding plan. This system of CIP management is important because: (1) the benefit of investing or consequence of not investing in capital improvements extends far into the future; (2) decisions to invest are often irreversible; and (3) such decisions significantly influence a community's ability to grow and prosper.

The CIP Process

The development and update of the CIP is an ongoing activity and included in the FY 2024 budget process since year one capital improvements are implemented through the adoption of the annual budget. Specific activities in the process include:

ESTABLISHING TIMETABLES, GOALS, AND OBJECTIVES: At the onset of the budgeting process, the CIP update begins with formal budget planning discussions between management, department heads, and the Board of Directors. Timetables are set that extend through the development and final adoption of the budget. District goals and objectives are reviewed to ensure they are met through the budget cycle.

TAKING INVENTORY AND DEVELOPING PROPOSALS: Staff gathers information and assesses the condition of District capital facilities and equipment. After review, staff carefully considers the need for construction, repair, replacement, and additions. From there, a list of proposed projects and equipment is developed.

CONDUCTING FINANCIAL ANALYSIS: Finance staff analyzes historical and projected revenues and expenses to estimate the District's cash flow and long-term financial condition. Capital financing alternatives are identified, and recommendations are prepared to match the type of funding most appropriate for specific capital improvements.

How are Capital Improvements Funded?

Various funding sources include pay-as-you-go, reimbursements, grants, and debt. Restricted developer fees, such as Sanitation Capacity Charges (SCC), the Supplemental Water Supply Charge (SWSC), Water System Backup Facility Charge (WSBFC), and Water Demand Offset Fee (WDOF) are also used. Each project is reviewed during the planning process to determine the appropriate financing sources. The following list provides additional information on typical funding sources:

PAY-AS-YOU-GO (PAY-GO): To the extent that there is available cash within an enterprise fund, the District funds capital projects on a pay-as-you-go basis or through the planned use of available reserves.

REIMBURSEMENTS: The District often enters into agreements with other entities whereby CVWD will build certain projects with the understanding that all, or a portion of the project, will be reimbursed by that entity.

GRANTS: The District actively pursues eligible state and federal grant programs to help finance much-needed capital improvement projects. Most grants are received on a reimbursement basis. They may require a District match, meaning the District must initially pay for the project's cost, seek reimbursement from the granting agencies, and contribute to any required match with pay-go funding.

DEBT: As the need for large capital improvement projects has increased, the District has pursued alternative financing options, including federal and state loans and issuance of public debt to fund needed projects.

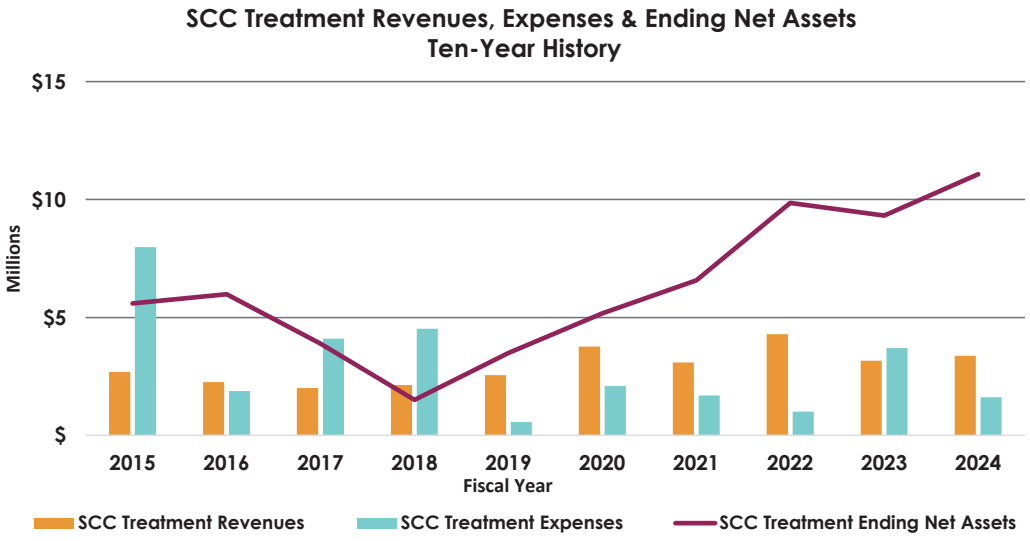
SANITATION CAPACITY CHARGES (SCC): The District assesses SCC-Collection and SCC-Treatment fees on all new development, redevelopment projects, connections to existing residential units, and upgrades of existing commercial units within the District's sanitation service area. These restricted funds can only be used to construct backbone facilities for collecting and treating wastewater to provide additional sanitation services.

SUPPLEMENTAL WATER SUPPLY CHARGE (SWSC): These restricted funds are used to fund supplemental water projects to ensure the District has adequate water supplies. Fiscal year 2024 projects partially funded by SWSC include various nonpotable water connection projects and the Palm Desert Ground Water Replenishment Facility, Phase 2 project. In fiscal year 2022, CVWD implemented a new fee called the Water Demand Offset Fee (WDOF) and discontinued collecting the Supplemental Water Supply Charge (SWSC) to fund nonpotable water projects and save groundwater for potable use.

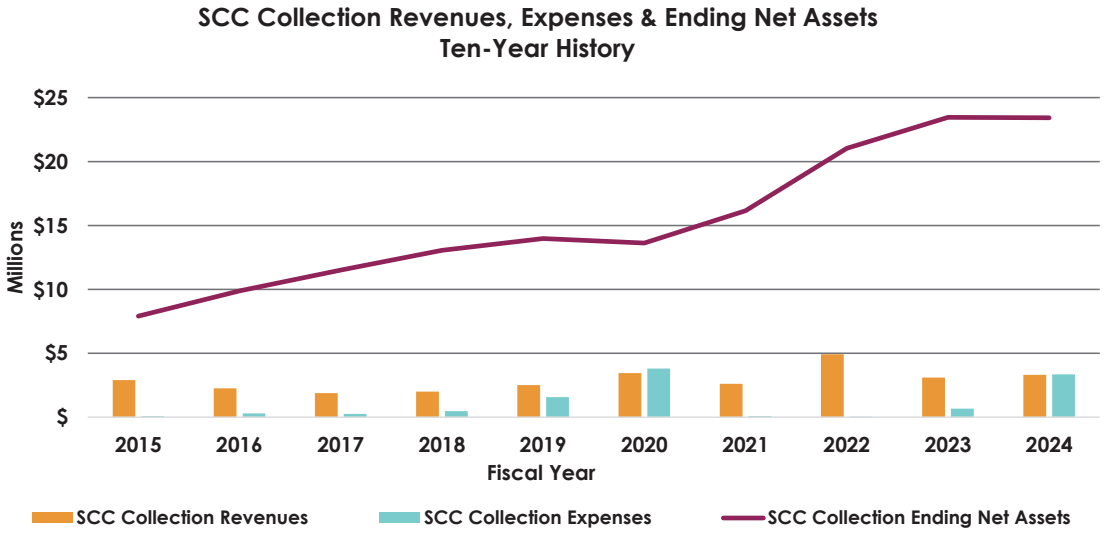
WATER SYSTEM BACKUP FACILITY CHARGE (WSBFC): The District assesses the WSBFC on all new development and redevelopment projects within the District's domestic water service area. These restricted funds can only be used for constructing backup water facilities to ensure domestic water availability for new development projects. Backup facilities include wells, treatment facilities, booster stations, reservoirs, and large-diameter transmission mains.

WATER DEMAND OFFSET FEE (WDOF): The Water Demand Offset Fee is a stand-alone charge intended to fund the construction of new nonpotable water facilities and conservation programs that reduce groundwater pumping. Implementation will mitigate impacts due to new developments by funding source substitution and conservation projects, thereby reducing demand for potable groundwater and relieving some pressure on the Sanitation Fund to construct nonpotable water systems. Based on projected potable demands, the proposed approach encourages dual-plumbed systems and the use of nonpotable water. With these efforts, CVWD will be better able to achieve the goal of groundwater basin sustainability.

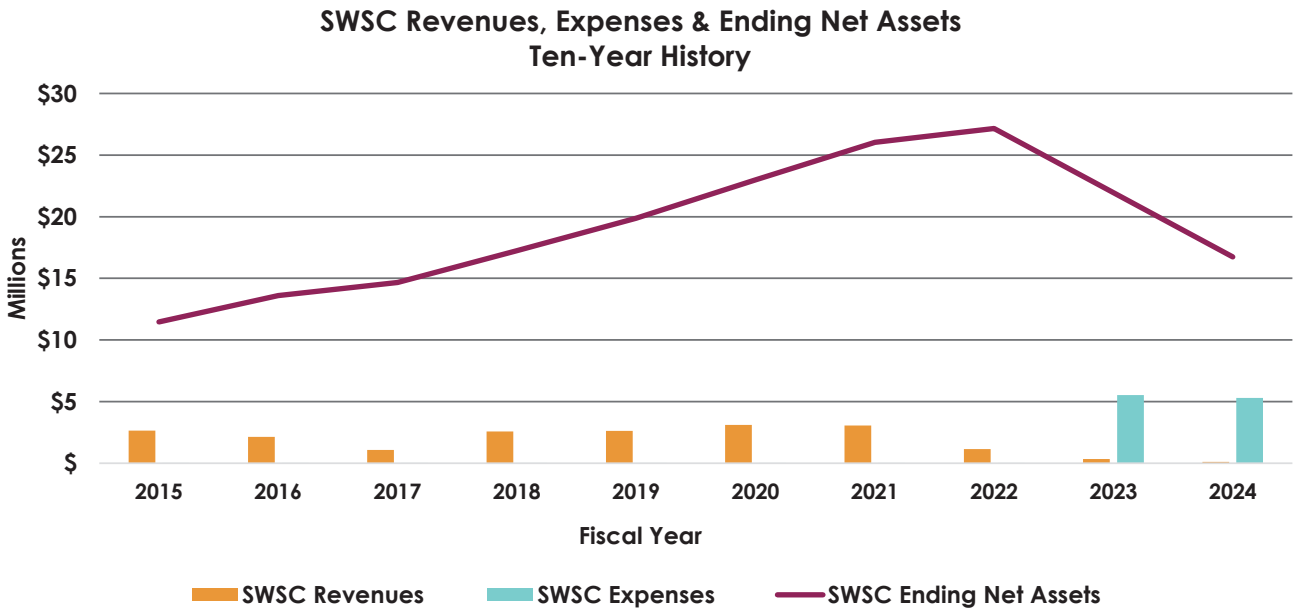
The following charts display fiscal year 2015 through 2023 actual and projected 2024 data for the District's restricted funds.



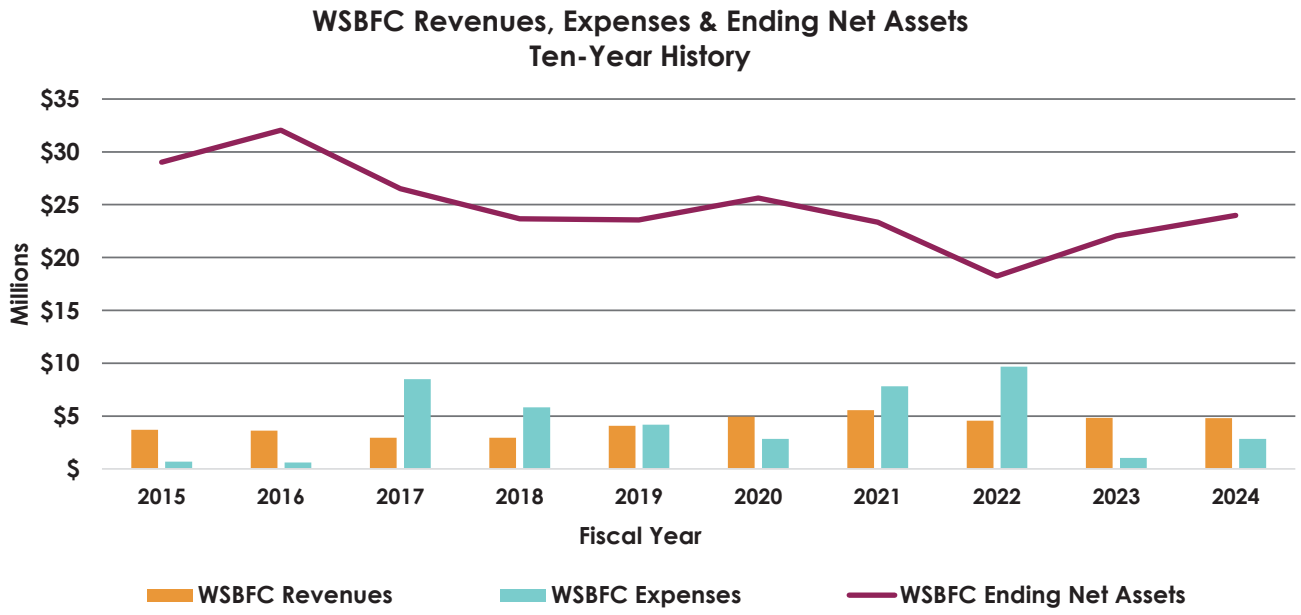
SCC-Treatment budgeted expenses for fiscal year 2024 are lower than projected revenues, which will result in an increase in year-end net assets.



SCC-Collection fiscal year 2024 budgeted expenses are higher than projected revenues, resulting in a slight decrease in year-end net assets.



Supplemental Water Supply Charge year-end net assets are expected to decrease; as budgeted fiscal year 2024 expenses will draw down remaining reserves over the next few years.



Water System Backup Facility Charge projected revenues for fiscal year 2024 are greater than budgeted expenses, which will result in an increase in the year-end net assets.

The Five-Year CIP

The fiscal year 2024-2028 Capital Improvement Plan totals over $585 million. CVWD expects to fund projects with Pay-Go funding, grants, and restricted developer fees such as Sanitation Capacity, Water System Backup Facility and Supplemental Water Supply Charges. Debt includes State Revolving Fund loans, Stormwater debt proceeds, short-term notes for the Domestic fund, and the first draws on loan funding from the U.S. Bureau of Reclamation (USBR) loans. The District is also planning on issuing approximately $99 million in additional debt to fund projects in the Domestic, Sanitation, and Stormwater funds in fiscal year 2026.

Five-Year Capital Improvement Plan

Fund	Budget FY 2024	Planned FY 2025	Planned FY 2026	Planned FY 2027	Planned FY 2028	Total
Domestic Water	$38,810,950	$36,167,000	$33,968,750	$37,230,000	$28,300,000	$174,476,700
Canal Water	19,628,050	14,070,750	12,979,250	10,650,250	12,219,000	69,547,300
Sanitation	34,661,485	41,552,750	47,190,856	35,770,011	47,328,657	206,503,759
Stormwater	41,499,060	21,617,250	12,541,250	14,331,250	13,760,000	103,748,810
East Whitewater Replenishment	2,147,310	981,500	1,017,500	172,500	10,000	4,328,810
West Whitewater Replenishment	2,211,310	5,701,500	5,702,500	172,500	10,000	13,797,810
Motorpool	2,376,597	2,533,000	2,609,000	2,550,000	2,558,000	12,626,597
Total Five-Year CIP	**$141,334,762**	**$122,623,750**	**$116,009,106**	**$100,876,511**	**$104,185,657**	**$585,029,786**

Total Five-Year CIP includes budgeted General District projects as allocated to enterprise funds

GENERAL DISTRICT projects total $16.7 million over the next five fiscal years. These projects are districtwide in nature and not specific to any fund. Expenses are charged to the following enterprise funds: Domestic Water, Canal Water, Sanitation, Stormwater, East Whitewater Replenishment, and West Whitewater Replenishment on an allocation methodology based on districtwide labor costs. Pay-Go funds will primarily provide funding except for two partially funded grant projects.

DOMESTIC WATER projects total approximately $174.5 million over the next five fiscal years. The focus of the Domestic Water Fund includes approximately $110 million in water main improvements. Reservoir and Booster Station construction combined with the well drilling and upgrades program amount to approximately $49.4 million. General District CIP projects require a $7.2 million allocation to the Domestic Water Fund. Approximately 63% of the five-year CIP budget will be spent over the next three years. Pay-Go funding, Water System Backup Facility Charges, grants, and debt financing will provide the necessary funding for these projects.

CANAL WATER projects total $69.5 million over the next five fiscal years. Canal projects include irrigation lateral replacements and improvements for over $50.9 million and drain replacement projects for approximately $6.9 million. Construction of the canal storage and pump station relocation projects totals $7.5 million, and the Canal fund's share of General District CIP projects is $4.2 million. Debt financing through loans from the USBR will be the primary funding source, subsidized by Pay-Go.

SANITATION projects total $206.5 million over the next five fiscal years. This includes approximately $33.9 million for Water Reclamation Plant (WRP) treatment upgrades. In addition, there are over $40.5 million in the collection system and lift station upgrades. Nonpotable Water Pipeline (NPW) connections total $75.9 million. Sanitation projects will be funded with a combination of Pay-Go funding, Sanitation Capacity Charge fees, Supplemental Water Supply Charge fees, grants, SRF loans, and debt financing over the next five years.

STORMWATER projects total approximately $103.7 million over the next five fiscal years. Approximately $780,000 is allocated to General District CIP. Stormwater projects will be funded primarily by debt financing and Pay-Go.

REPLENISHMENT projects amount to approximately $18.1 million over the next five fiscal years. Of this amount, $13.8 million is budgeted for the West Whitewater Replenishment Fund and approximately $4.3 million for the East Whitewater Replenishment Fund. A combination of Pay-Go funding, Supplemental Water Supply Charges, and debt financing will provide necessary funding over the next five years.

MOTORPOOL projects amount to $12.6 million for the next five fiscal years and consist of vehicle and other equipment replacements. All funding is provided from Pay-Go funds. At year-end, funds are transferred into the Motorpool Fund from the District's enterprise funds based on the actual benefit of equipment received.

SIGNIFICANT MULTI-YEAR CAPITAL IMPROVEMENT PROJECTS The District's five-year CIP includes several significant multi-year capital improvement projects. These projects have a considerable impact on the five-year forecast. For detailed information on each project listed below, please refer to the corresponding funds in this chapter.

- Avenue 66 Transmission Main, Phase 1B and Phase 2 - Domestic Water
- Fiscal Year 2020 -2021 Nonpotable Water (NPW) Offsite Pipeline Projects - Sanitation
- North Indio Regional Flood Control System - Phase 2 - Stormwater
- Palm Desert Ground Water Replenishment Facility, Phase 2 - West Replenishment
- Preliminary Design Report for Highway 86 Transmission Main, Phase 3 and 4 - Domestic Water
- Sun City Palm Desert Water Main Replacement, Phase 2B - Domestic Water
- Thousand Palms Channel Improvement Project from Sun City Shadow Hills Channel to the Coachella Valley Storm Channel – Stormwater
- WRP 7 Aeration Improvements - Sanitation
- WRP 7 Recycled Water Expansion, Phase 1 - Sanitation
- WRP 10 Headwork's Improvements (Storage and Controls) - Sanitation
- WRP 10 T1 Filter Assessment and Repair – Sanitation

FISCAL YEAR 2024 CAPITAL IMPROVEMENT BUDGET (CIB)

The fiscal year 2024 Capital Improvement Budget is integrated with the operating budget and amounts to over $141.3 million. This includes approximately $4.2 million in District labor that will be capitalized with the projects. Fiscal year 2024 capital improvements include projects in the District's enterprise funds and the Motorpool Internal Service Fund. All projects are accounted for and funded by each fund.

The District plans to spend over $59.4 million in Pay-Go funds in fiscal year 2024, including the planned use of approximately $22.2 million in reserves. Funding from SCC-Collection and SCC-Treatment revenues are budgeted at $3.4 and $1.6 million, respectively. Funding from SWSC and WSBFC fees total over $8.1 million; grants are $18.5 million; and debt proceeds include $50.3 million in funding.

The following ongoing projects significantly impact the fiscal year 2024 Capital Improvement Budget since most expenses will be incurred in 2024.

- Avenue 66 Transmission Main, Phase 1B and Phase 2 - Domestic Water
- Coachella Valley Stormwater Channel Improvements - Avenue 54 to the Thermal Drop Structure – Stormwater
- Fiscal Year 2020 -2021 Nonpotable Water (NPW) Offsite Pipelines Project - Sanitation
- Ion Exchange Treatment Plant 7991 Replacement Project - Domestic Water
- Irrigation Lateral 119.64-7.5 Replacement Project, Phase 2 - Canal
- Lift Station 55-11 Capacity Upgrade (Mecca) - Sanitation
- Mid-Canal Storage Project - Canal
- North Indio Regional Flood Control System, Phase 2 - Stormwater
- North Shore Water Main Replacements - Domestic Water
- T1 Pump Station Replacement - Sanitation

The following table and charts show planned improvements by fund and funding sources for fiscal year 2024.

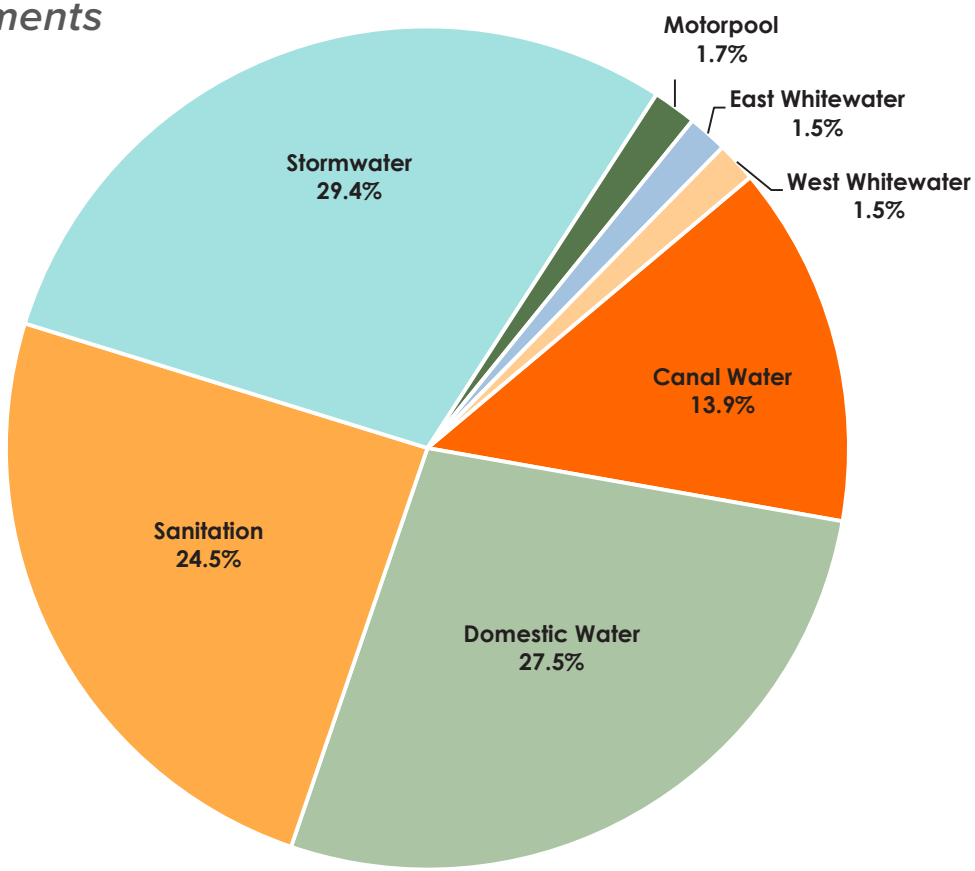
Fiscal Year 2024 Capital Improvement Budget - Projects By Fund

Fund	Funding Sources							Total
				Restricted Reserves				
	Pay-Go	Grants	Debt	WSBFC	SCC Collection	SCC Treatment	SWSC	
Canal Water	$1,839,550	-	$17,788,500	-	-	-	-	$19,628,050
Domestic Water	10,088,450	12,770,500	13,112,000	2,840,000	-	-	-	38,810,950
Sanitation	11,328,835	5,743,250	9,310,500	-	3,350,000	1,620,000	3,308,900	34,661,485
Stormwater	31,549,060	-	9,950,000	-	-	-	-	41,499,060
East Whitewater Replenishment	2,047,310	-	100,000	-	-	-	-	2,147,310
West Whitewater Replenishment	211,310	-	-	-	-	-	2,000,000	2,211,310
Motorpool	2,376,597	-	-	-	-	-	-	2,376,597
Total Capital Improvement Budget	**$59,441,112**	**$18,513,750**	**$50,261,000**	**$2,840,000**	**$3,350,000**	**$1,620,000**	**$5,308,900**	**$141,334,762**

Capital Improvements

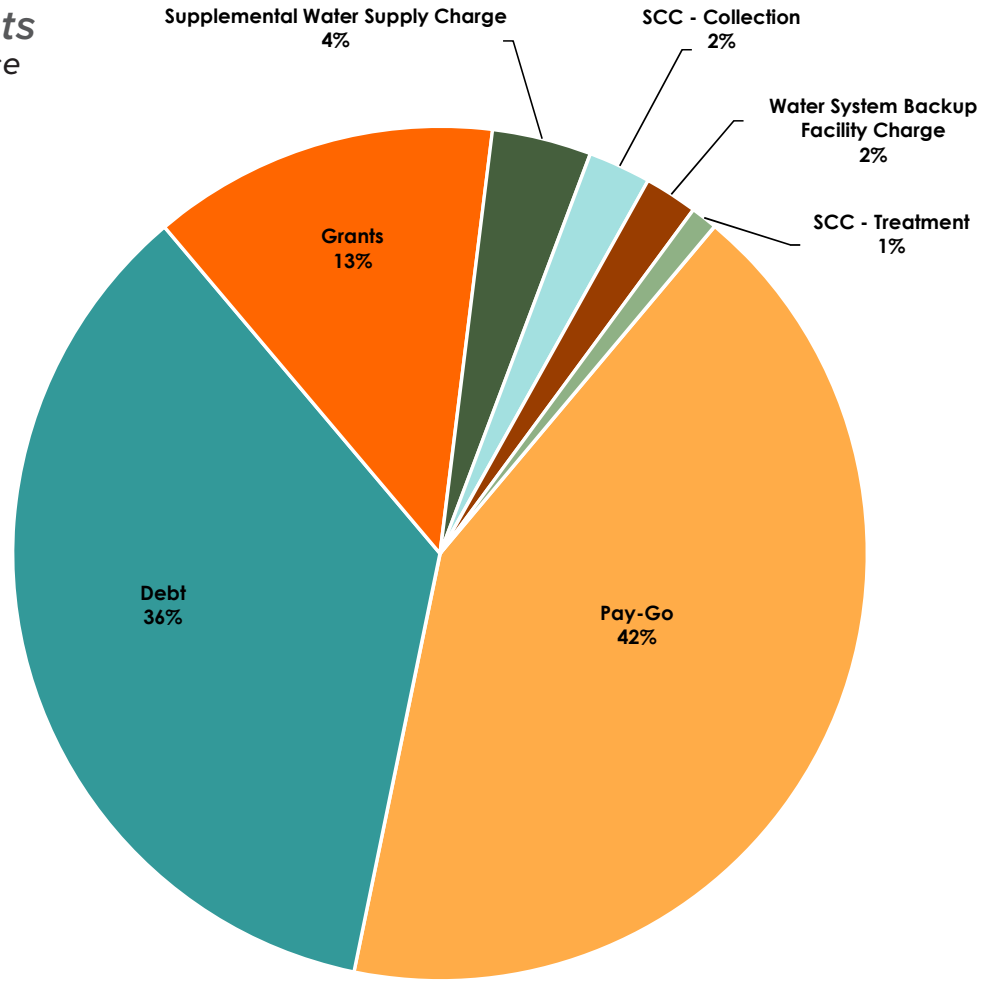
Projects by Fund

$141,334,762



Capital Improvements
Projects by Funding Source

$ 141,334,762



GRANTS

CVWD continually reviews and pursues Grant opportunities from state and federal agencies. The primary advantage of grants is that they do not have to be repaid. Grant reimbursements include funds from various sources, including Federal, State, and County programs, and may contain pass-through funding for other local government agencies. The District has successfully secured funding for many capital improvement, sustainability, drought, and hazard mitigation efforts.

Grants are a valuable funding source to help finance eligible projects in the District. Planning and construction needs are matched with funding opportunities throughout the year. Due to the amount of time and preparation of a grant application and their competitive nature, the District considers the probability of award, the required amount of matching funds, the level of effort, operation and maintenance post-award, and reporting requirements prior to applying for each grant opportunity.

The grant lifecycle can be lengthy between the pre-award and the award stages and can span multiple fiscal years before project costs are fully expensed. Grant revenues are based on eligible capital project expenses incurred. Projected versus actual grant revenues at year-end can vary significantly based on the final grant agreement approval timing and the project's start date.

The following tables show the projected Fiscal year 2024 Awarded Grant amounts and projected revenues by fund.

Grant Funding and Revenues - Domestic Water

Granting Agency	Grant Name	Purpose of Grant	Awarded	Projected Revenue
State Water Resources Control Board	Avenue 66 Transmission Main, Phase 1B and Phase 2	Provide a secondary water supply to the Mecca and Eastern Coachella Valley which will increase water supply reliability to existing customers in these disadvantaged communities.	$23,400,000	$5,000,000
Department of Water Resources - SB170			7,000,000	-
Prop 1 Implementation			1,268,750	-
Department of Water Resources	Reservoir 4711-3 and 4 Design and Construction	This project will result in additional storage in the Sky Valley Pressure Zone for more reliable service.	850,000	550,000
County of Riverside - ARPA funds	IXTP 7991 Replacement Project	Replace out of service existing treatment process with robust media absorption arsenic treatment process.	6,059,000	5,000,000
United States Department of Agriculture	North Shore/Dale Kiler/ BS7101/7102/7990	Replace asbestos concrete water main with zinc-coated ductile iron pipe and appurtenances.	4,840,000	373,000
	Reservoir 7101-2 Design and Construction	Construct an additional above ground steel water reservoir to provide additional water storage for increased water and fire protection demands.	1,176,000	997,500
State Water Resources Control Board	Preliminary Design Report for Highway 86 Transmission Main, Phase 3 and Phase 4	Prepare a Preliminary Design Report for alternative alignments, right of way, and construction costs for the proposed transmission main.	499,781	250,000
Total Awarded Grant Funding and Revenues - Domestic Water			**$45,093,531**	**$12,170,500**

Grant Funding and Revenues - Sanitation

Granting Agency	Grant Name	Purpose of Grant	Awarded	Projected Revenue 2024
County of Riverside ARPA funds	Lift Station 55-11 Capacity Upgrade	Upgrade existing lift station within the community of Mecca to increase capacity, provide redundancy, and provide for better odor control.	$3,100,000	$2,750,000
United States Department of Agriculture	Monroe Street Trunk Sewer	A septic-to-sewer conversion within the disadvantaged community (DAC). The project will result in significant cost savings for the sanitation services of the community. USDA has provided additional funding source to Indian Health Services which will allow grant finding for the total project.	1,319,900	50,000
State Water Resources Control Board	2017/2018 Nonpotable Water Connections Project and T1 Pump Station	Construction and operation of approximately 9.5 miles of nonpotable water pipeline segments and connections and replacement of existing pump station. The project will reduce the amount of imported surface water currently needed for groundwater replenishment and free up groundwater for potable use.	5,000,000	1,030,000
United States Bureau of Reclamation Title XVI - WIIN			12,276,517	-
State Water Resources Control Board	2020/2021 Nonpotable Water Connections Project	Eight new nonpotable connections will be constructed to offset groundwater pumping and protect the drinking water supply.	5,000,000	1,585,000
Total Awarded Grant Funding and Revenues - Sanitation			**$21,696,417**	**$5,415,000**

Grant Funding and Revenues - General District Projects

Granting Agency	Grant Name	Purpose of Grant	Awarded	Projected Revenue
Coachella Valley Mountain Conservancy	Salt Nutrient Management Plan Monitoring Wells (General District)	Construct monitoring wells identified as gaps within CVWD's groundwater Sustainability Agency (GSA) boundary to comply with the Groundwater Monitoring Program Workplan.	$140,000	$140,000
Department of Water Resources	CV Water Counts - Demonstration Garden in Palm Desert (General District)	Replace approximately 1,700 Square feet of area with water efficient irrigation systems, various ground covers, and desert-friendly varieties of plants and materials.	141,800	70,900
Total Awarded Grant Funding and Revenues - General District Projects			**$281,800**	**$210,900**

Grant Applications (In-Process)

Fund	Granting Agency	Project Name	Purpose of Grant	Requested	Projected Revenue
Domestic Water	State Water Resources Control Board	Valley View Consolidation	Consolidation of nine small water systems (SWSs) into CVWD's public water system. The project will also improve the water supply reliability, water quality, and water security to the SWSs which are located in small disadvantaged communities.	$10,696,360	600,000
	EPA Community Grant 2022			2,700,000	-
	EPA Community Grant 2023			3,450,000	-
Sanitation	State Water Resources Control Board	2022/2023 WRP7 Improvements and Young's Farmland	Expand the WRP 7 plant capacity to permit the tertiary system to provide additional recycled water to its expanding irrigation and golf course customers.	7,000,000	228,250
Sanitation	State Water Resources Control Board	Avenue 66 Trunk Sewer	Construct new sewer pipeline along Avenue 66 which will extend the District's wastewater collection system to provide additional capacity to connect and serve disadvantaged community residences.	10,081,088	50,000
Sanitation	State Water Resources Control Board	Oasis Garden Sewer Consolidation and Lift Station	Phase 2 will convert 77 mobile homes from septic systems to CVWD's sewer system. The lift station will be upsized for capacity and redundancy.	2,806,686	-
Sanitation	State Water Resources Control Board	Valley View/Airport Boulevard Sewer Consolidation	Preliminary engineering, plan design, and environmental report for new pipeline within disadvantaged communities.	14,229,000	50,000
Stormwater	FEMA/CalOES Hazard Mitigation Grant Program	North Cathedral City	Construct a regional stormwater channel which will reduce flooding to the Cathedral City and Thousand Palms communities.	7,500,000	-
	EPA Community Grant 2024			2,500,000	-
Total Applications in Process for Grant Funding and Revenues				**$60,963,134**	**$928,250**

DEBT MANAGEMENT

Prior to fiscal year 2018, CVWD funded all capital projects on a pay-as-you-go basis, choosing to use cash instead of borrowing due to sufficient revenues and reserves. The District's goal when issuing debt is to respond to its customers' infrastructure and capital project needs while ensuring that debt is issued and managed prudently to maintain a sound fiscal position.

Each debt issuance is evaluated on an individual basis within the context of the District's overall financing objectives, integration with the Capital Improvement Program, Strategic Plan, and current market conditions. The District will evaluate alternative debt structures (and timing considerations) to ensure the most cost-efficient financing under prevailing market conditions.

LINE OF CREDIT

CVWD maintains a revolving credit agreement with Bank of the West for $25 million, which was renewed in June 2022 and expires on July 1, 2025. The line of credit is available for use for the District's Domestic, Sanitation, and Stormwater funds. Like the District's outstanding bonds, loans, certificates of participation, and notes, the revolving credit agreement contains terms relating to future debt service coverage levels and new debt issuance. The District's Master Resolution has a rate covenant that requires the District to set rates for Domestic Water Service and Sanitation Service at the start of the fiscal year that is expected to result in debt service coverage of at least 1.25x on the respective senior obligations payable from the Domestic Water Fund and the Sanitation Fund. The revolving credit agreement contains a provision requiring the same action and assurances.

In addition, the Master Resolution contains a requirement to perform Additional Bond Tests for the Domestic Water, Sanitation, and Stormwater Funds, when needed. Under this test, the District must be able to show debt service coverage of at least 1.25x on a look-back and look-forward basis for the fund entering debt. The revolving credit agreement contains a provision requiring the same action and assurances.

LOANS

The District approaches loan financing as a tool for funding long-term construction projects that are typically included in the District's Capital Improvement Program. Borrowing allows the District to spread the costs of capital projects over the life of the asset and avoid sharp increases in rates.

Debt service represents the repayment of principal and interest costs on bonds and loans issued to finance construction projects and other major capital assets. Debt service payments are charged to the operating budget.

State and Federal Loans by Program

Fund	Program	Project Name	Interest Rate	Principal Amount	Annual Debt Service 2024	Outstanding Principal as of 06/30/2023
Canal	United States Bureau of Reclamation	Irrigation Laterals	1.80%	$60,931,425	-	$4,452,347
		Mid-Canal Storage	1.88%	7,500,000	-	-
Domestic	State Water Resource Control Board	Highway 86 Transmission Main Phase 2	1.80%	19,391,505	838,852	18,177,965
	United States Department of Agriculture	North Shore, Dale Kiler, Booster Stations 7101/7102/7990	1.25%	22,700,000	-	-
		Reservoir 7101-2	1.50%	2,134,000	-	-
Sanitation	State Water Resource Control Board	2017/2018 Nonpotable Water Connections Project and T1 Pump Station	1.10%	40,132,117	-	-
		2020/2021 Nonpotable Water Connections Project	0.80%	10,530,000	-	-
		2023/2024 Nonpotable Water Improvements and Connection Project	2.60%	26,950,000	-	-
Stormwater *	Water Infrastructure Finance and Innovation Act - WIFIA	Coachella Valley Stormwater Channel Improvement Project and North Indio Flood Control	1.96%	59,140,612	2,382,085	59,924,086
Total				**$249,409,659**	**$3,220,937**	**$82,554,397**

* *Stormwater WIFIA Loan principal balance includes capitalized interest*

In fiscal year 2023, CVWD entered into two loan agreements with the U.S. Bureau of Reclamation (USBR) to fund projects in the Canal fund. The District received $4.5 million in loan proceeds in fiscal year 2023 for the irrigation lateral project, with additional draws expected in fiscal year 2024. Completion of the mid-canal storage project is expected in fiscal year 2024, with the planned drawdown of loan proceeds to fund project expenses. Debt service for both projects is expected to begin in fiscal year 2025.

The District will pay debt service on the State Water Resource Control Board (SWRCB) loan for the Highway 86 Domestic Water project in fiscal year 2024. This project was completed in July of 2021. U.S. Department of Agriculture (USDA) funding will be utilized to fund the North Shore/Dale Kiler booster stations and reservoir 7101-2 projects once they are completed. The District issued the 2022 Domestic Notes as interim financing to fund these projects prior to completion.

Sanitation has two active loans with SWRCB related to nonpotable water improvement and connection projects and anticipates an approved application for the 2023/2024 Nonpotable Water Improvements and Connection Project. This application is currently under environmental review, with final approval expected during the year. The District plans to draw loan proceeds on the two active loans to reimburse project expenditures in fiscal year 2024.

BONDS

The following table details the District's outstanding notes and certificates of participation.

Notes and Certificates of Participation by Fund

Fund	Par Amount	S&P	Fitch	True Interest Cost (TIC)	Maturity	First Call Date	2024 Total Debt Service	Outstanding Principal as of 06/30/2023
East Replenishment	$42,890,000	AA-	-	2.71%	2051	2031	$1,890,085	$42,890,000
Domestic *	35,225,000	AA+	-	1.31%	2025	-	-	35,225,000
Stormwater	53,340,000	AA+	AAA	3.85%	2047	2032	3,734,625	53,340,000
Total	**$131,455,000**						**$5,624,710**	**$131,455,000**

** Excludes amounts on deposit in the trustee-held Capitalized Interest Account through June 2025.*

In fiscal year 2021, the District began issuing public debt through the Series 2021A and 2021B Certificates of Participation (COP). These issuances were used to finance improvements benefiting the East Whitewater Replenishment System.

In January 2022, the District approved the sale and issuance of Series 2022A Drinking Water System Revenue Notes for the Domestic Fund. These short-term notes are being used to provide interim financing for projects that are expected to be funded through a loan with the USDA. The USDA loan requires interim financing since funds are unavailable for cost reimbursement during the stage of construction. The 2022 Notes are secured and will be payable from the net revenues of the Domestic fund, although are anticipated to be rolled into the USDA loan.

In May 2022, Stormwater COP Series 2022A was issued to finance additional costs not covered under the WIFIA loan for the North Indio Flood Control Project Phase 2. The net revenues of the Stormwater fund secure the issuance.

DEBT RATINGS

Credit rating agencies assign letter grades to indicate ratings. Standard & Poor's (S&P) Global, for example, has a credit rating scale ranging from AAA, which would be deemed excellent, to C and D grades, which would be for entities in default on their debt. Credit ratings are based on the due diligence conducted by a rating agency, which must take a balanced and objective view of the borrower's financial situation and capacity to repay debt. This can impact the approval of debt and the assigned interest rate

Credit ratings play a significant role in a potential investor's decision to purchase bonds. A strong credit rating allows better access to capital markets, lower interest rates, better terms on debt, and a wider variety of debt products. Prudent financial policies have contributed to the District's strong ratings.

DEBT COVERAGE

The following table summarizes the District's loans, notes, and certificates of participation by fund to provide the total debt service coverage ratio by fund.

All-In Debt Service Coverage Ratio by Fund

Fund	Rate Type	Rate	Maturity	Authorized Amount	Outstanding Principal as of 06/30/2023	2024 Total Debt Service	All-In DSCR [1]
Stormwater - WIFIA	Rate	1.96%	2058	$59,924,086	$59,924,086	$2,382,085	
Stormwater - Series 2022A	TIC	3.85%	2047	53,340,000	53,340,000	3,734,625	
Stormwater - Total				$113,264,086	$113,264,086	$6,116,710	2.97
Domestic - SWRCB	Rate	1.80%	2050	19,391,505	18,177,965	838,852	
Domestic - Series 2022A [2]	TIC	1.31%	2025	35,225,000	35,225,000	-	
Domestic - Total				$54,616,505	$53,402,965	$838,852	5.18
East - Series 2021A	TIC	2.71%	2051	42,080,000	42,080,000	1,879,150	
East - Series 2021B	TIC	2.71%	2027	810,000	810,000	10,935	
East Replenishment - Total				$42,890,000	$42,890,000	$1,890,085	4.16
Canal - USBR Laterals	Rate	1.80%	2054	60,931,425	4,452,347	-	
Canal - USBR Reservoir	Rate	1.88%	TBD	7,500,000	-	-	
Canal - Total				$68,431,425	$4,452,347	-	-
Sanitation - SWRCB 17/18	Rate	1.10%	TBD	40,132,117	-	-	
Sanitation - SWRCB 20/21	Rate	0.80%	TBD	10,530,000	-	-	
Sanitation - SWRCB 23/24	Rate	2.60%	TBD	26,950,000	-	-	
Sanitation - Total				$77,612,117	-	-	-
Total				**$356,814,133**	**$214,009,397**	**$8,845,647**	

[1] *Debt Service Coverage Ratio (DSCR) revenue includes Budgeted Net Operating Income and revenue from Interfund Transfers.*

[2] *Excludes amounts on deposit in the trustee-held Capitalized Interest Account through June 2025.*

DEBT MARGIN

The following table reflects the detailed debt margin for the District's outstanding debt issuances. Section 43605 of the California Government Code establishes a legal debt limit of 15% of gross assessed valuation. However, this provision was enacted when assessed valuation was based upon 25% of market value. Effective with the 1981-82 fiscal year, each parcel is now assessed at 100% of market value (as of the most recent change in ownership for that parcel). The computations shown below, reflect a conversion of assessed valuation data for each fiscal year from the current full valuation perspective to the 25% level that was in effect at the time that the legal debt margin was enacted by the State of California for local governments located within the state.

Computation of Legal Debt Margin

Component	FY 2021	FY 2022	FY 2023
Total assessed value	$ 69,100,025,617	$ 72,319,598,665	$ 78,489,300,953
Conversion percentage	25%	25%	25%
Adjusted assessed valuation	17,275,006,404	18,079,899,666	19,622,325,238
Debt limit percentage	15%	15%	15%
Legal debt limit	2,591,250,961	2,711,984,950	2,943,348,786
Outstanding bonds chargeable to the limit	42,890,000	96,230,000	96,230,000
Less: Amount reserved for debt	-	-	-
Net applicable to limit	42,890,000	96,230,000	96,230,000
Legal Debt Margin	$ 2,634,140,961	$ 2,808,214,950	$ 3,039,578,786
Total debt applicable to the limit as a percentage of debt limit	1.66%	3.55%	3.27%

DEBT SERVICE SCHEDULES

The following tables reflect the detailed debt service schedules for the District’s outstanding loans and debt issuances.

Payment Date	Interest Rate	Loan Draws[1]	Capitalized Interest[1]	Principal Payments[1]	Interest Payments[1]	Total Debt Service[1]	Principal Balance[1]
Project Fund: Stormwater							
Project Name: N. Indio Regional Flood Control & Stormwater Channel Improvement							
U.S. Environmental Protection Agency - Original Loan $59,924,086							
06/01/20	1.96	$ -	$ -	$ -	$ -	$ -	$ -
12/01/20	1.96	-	-	-	-	-	-
06/01/21	1.96	-	-	-	-	-	-
12/01/21	1.96	-	-	-	-	-	-
06/01/22	1.96	33,366,014	-	-	-	-	33,366,014
12/01/22	1.96	-	326,987	-	-	-	33,693,000
06/01/23	1.96	25,774,598	456,487	-	-	-	59,924,086
12/01/23	1.96	-	-	-	587,256	587,256	59,924,086
06/01/24	1.96	-	-	1,207,573	587,256	1,794,829	58,716,513
12/01/24	1.96	-	-	-	575,422	575,422	58,716,513
06/01/25	1.96	-	-	1,231,241	575,422	1,806,663	57,485,272
12/01/25	1.96	-	-	-	563,356	563,356	57,485,272
06/01/26	1.96	-	-	1,255,373	563,356	1,818,729	56,229,899
12/01/26	1.96	-	-	-	551,053	551,053	56,229,899
06/01/27	1.96	-	-	1,279,979	551,053	1,831,032	54,949,920
12/01/27	1.96	-	-	-	538,509	538,509	54,949,920
06/01/28	1.96	-	-	1,305,066	538,509	1,843,576	53,644,854
12/01/28	1.96	-	-	-	525,720	525,720	53,644,854
06/01/29	1.96	-	-	1,330,646	525,720	1,856,365	52,314,208
12/01/29	1.96	-	-	-	512,679	512,679	52,314,208
06/01/30	1.96	-	-	1,356,726	512,679	1,869,406	50,957,482
12/01/30	1.96	-	-	-	499,383	499,383	50,957,482
06/01/31	1.96	-	-	1,383,318	499,383	1,882,701	49,574,164
12/01/31	1.96	-	-	-	485,827	485,827	49,574,164
06/01/32	1.96	-	-	1,410,431	485,827	1,896,258	48,163,733
12/01/32	1.96	-	-	-	472,005	472,005	48,163,733
06/01/33	1.96	-	-	1,438,076	472,005	1,910,080	46,725,657
12/01/33	1.96	-	-	-	457,911	457,911	46,725,657
06/01/34	1.96	-	-	1,466,262	457,911	1,924,173	45,259,395
12/01/34	1.96	-	-	-	443,542	443,542	45,259,395
06/01/35	1.96	-	-	1,495,001	443,542	1,938,543	43,764,395
12/01/35	1.96	-	-	-	428,891	428,891	43,764,395
06/01/36	1.96	-	-	1,524,303	428,891	1,953,194	42,240,092
12/01/36	1.96	-	-	-	413,953	413,953	42,240,092
06/01/37	1.96	-	-	1,554,179	413,953	1,968,132	40,685,913
12/01/37	1.96	-	-	-	398,722	398,722	40,685,913
06/01/38	1.96	-	-	1,584,641	398,722	1,983,363	39,101,272
12/01/38	1.96	-	-	-	383,192	383,192	39,101,272
06/01/39	1.96	-	-	1,615,700	383,192	1,998,892	37,485,572
12/01/39	1.96	-	-	-	367,359	367,359	37,485,572
06/01/40	1.96	-	-	1,647,368	367,359	2,014,726	35,838,205
12/01/40	1.96	-	-	-	351,214	351,214	35,838,205
06/01/41	1.96	-	-	1,679,656	351,214	2,030,870	34,158,549
12/01/41	1.96	-	-	-	334,754	334,754	34,158,549
06/01/42	1.96	-	-	1,712,577	334,754	2,047,331	32,445,972
12/01/42	1.96	-	-	-	317,971	317,971	32,445,972
06/01/43	1.96	-	-	1,746,144	317,971	2,064,114	30,699,828
12/01/43	1.96	-	-	-	300,858	300,858	30,699,828

Payment Date	Interest Rate	Loan Draws[1]	Capitalized Interest[1]	Principal Payments[1]	Interest Payments[1]	Total Debt Service[1]	Principal Balance[1]
Project Fund: Stormwater							
Project Name: N. Indio Regional Flood Control & Stormwater Channel Improvement							
U.S. Environmental Protection Agency - Original Loan $59,924,086							
06/01/44	1.96	-	-	1,780,368	300,858	2,081,226	28,919,460
12/01/44	1.96	-	-	-	283,411	283,411	28,919,460
06/01/45	1.96	-	-	1,815,263	283,411	2,098,674	27,104,197
12/01/45	1.96	-	-	-	265,621	265,621	27,104,197
06/01/46	1.96	-	-	1,850,842	265,621	2,116,464	25,253,354
12/01/46	1.96	-	-	-	247,483	247,483	25,253,354
06/01/47	1.96	-	-	1,887,119	247,483	2,134,602	23,366,235
12/01/47	1.96	-	-	-	228,989	228,989	23,366,235
06/01/48	1.96	-	-	1,924,107	228,989	2,153,096	21,442,129
12/01/48	1.96	-	-	-	210,133	210,133	21,442,129
06/01/49	1.96	-	-	1,961,819	210,133	2,171,952	19,480,310
12/01/49	1.96	-	-	-	190,907	190,907	19,480,310
06/01/50	1.96	-	-	2,000,271	190,907	2,191,178	17,480,039
12/01/50	1.96	-	-	-	171,304	171,304	17,480,039
06/01/51	1.96	-	-	2,039,476	171,304	2,210,780	15,440,563
12/01/51	1.96	-	-	-	151,318	151,318	15,440,563
06/01/52	1.96	-	-	2,079,450	151,318	2,230,767	13,361,113
12/01/52	1.96	-	-	-	130,939	130,939	13,361,113
06/01/53	1.96	-	-	2,120,207	130,939	2,251,146	11,240,907
12/01/53	1.96	-	-	-	110,161	110,161	11,240,907
06/01/54	1.96	-	-	2,161,763	110,161	2,271,924	9,079,144
12/01/54	1.96	-	-	-	88,976	88,976	9,079,144
06/01/55	1.96	-	-	2,204,134	88,976	2,293,109	6,875,010
12/01/55	1.96	-	-	-	67,375	67,375	6,875,010
06/01/56	1.96	-	-	2,247,335	67,375	2,314,710	4,627,675
12/01/56	1.96	-	-	-	45,351	45,351	4,627,675
06/01/57	1.96	-	-	2,291,382	45,351	2,336,734	2,336,293
12/01/57	1.96	-	-	-	22,896	22,896	2,336,293
06/01/58	1.96	-	-	2,336,293	22,896	2,359,189	-
Total		$ 59,140,612	$ 783,474	$ 59,924,086	$ 23,448,880	$ 83,372,966	

Note 1: Dollar amounts are rounded to nearest whole dollar.

Payment Date	Interest Rate	Principal Payments[1]	Interest Payments[1]	Total Debt Service[1]	Principal Balance[1]
Project Fund: Stormwater					
Project Names: North Indio Regional Flood Control					
Debt Issuance: Coachella Valley Water District, 2022A-Original Issue $53,340,000					
06/30/22	5.00	$ -	$ -	$ -	$ 53,340,000
08/01/22	5.00	-	585,258	585,258	53,340,000
02/01/23	5.00	-	1,333,500	1,333,500	53,340,000
08/01/23	5.00	1,095,000	1,333,500	2,428,500	52,245,000
02/01/24	5.00	-	1,306,125	1,306,125	52,245,000
08/01/24	5.00	1,155,000	1,306,125	2,461,125	51,090,000
02/01/25	5.00	-	1,277,250	1,277,250	51,090,000
08/01/25	5.00	1,215,000	1,277,250	2,492,250	49,875,000
02/01/26	5.00	-	1,246,875	1,246,875	49,875,000
08/01/26	5.00	1,275,000	1,246,875	2,521,875	48,600,000
02/01/27	5.00	-	1,215,000	1,215,000	48,600,000
08/01/27	5.00	1,340,000	1,215,000	2,555,000	47,260,000
02/01/28	5.00	-	1,181,500	1,181,500	47,260,000
08/01/28	5.00	1,410,000	1,181,500	2,591,500	45,850,000
02/01/29	5.00	-	1,146,250	1,146,250	45,850,000
08/01/29	5.00	1,480,000	1,146,250	2,626,250	44,370,000
02/01/30	5.00	-	1,109,250	1,109,250	44,370,000
08/01/30	5.00	1,560,000	1,109,250	2,669,250	42,810,000
02/01/31	5.00	-	1,070,250	1,070,250	42,810,000
08/01/31	5.00	1,640,000	1,070,250	2,710,250	41,170,000
02/01/32	5.00	-	1,029,250	1,029,250	41,170,000
08/01/32	5.00	1,720,000	1,029,250	2,749,250	39,450,000
02/01/33	5.00	-	986,250	986,250	39,450,000
08/01/33	5.00	1,810,000	986,250	2,796,250	37,640,000
02/01/34	5.00	-	941,000	941,000	37,640,000
08/01/34	5.00	1,905,000	941,000	2,846,000	35,735,000
02/01/35	5.00	-	893,375	893,375	35,735,000
08/01/35	5.00	2,000,000	893,375	2,893,375	33,735,000
02/01/36	5.00	-	843,375	843,375	33,735,000
08/01/36	5.00	2,105,000	843,375	2,948,375	31,630,000
02/01/37	5.00	-	790,750	790,750	31,630,000
08/01/37	5.00	2,210,000	790,750	3,000,750	29,420,000
02/01/38	5.00	-	735,500	735,500	29,420,000
08/01/38	5.00	2,325,000	735,500	3,060,500	27,095,000
02/01/39	5.00	-	677,375	677,375	27,095,000
08/01/39	5.00	2,445,000	677,375	3,122,375	24,650,000
02/01/40	5.00	-	616,250	616,250	24,650,000
08/01/40	5.00	2,570,000	616,250	3,186,250	22,080,000
02/01/41	5.00	-	552,000	552,000	22,080,000
08/01/41	5.00	2,700,000	552,000	3,252,000	19,380,000
02/01/42	5.00	-	484,500	484,500	19,380,000

Payment Date	Interest Rate	Principal Payments[1]	Interest Payments[1]	Total Debt Service[1]	Principal Balance[1]
Project Fund: Stormwater					
Project Names: North Indio Regional Flood Control					
Debt Issuance: Coachella Valley Water District, 2022A-Original Issue $53,340,000					
08/01/42	5.00	2,840,000	484,500	3,324,500	16,540,000
02/01/43	5.00	-	413,500	413,500	16,540,000
08/01/43	5.00	2,985,000	413,500	3,398,500	13,555,000
02/01/44	5.00	-	338,875	338,875	13,555,000
08/01/44	5.00	3,140,000	338,875	3,478,875	10,415,000
02/01/45	5.00	-	260,375	260,375	10,415,000
08/01/45	5.00	3,300,000	260,375	3,560,375	7,115,000
02/01/46	5.00	-	177,875	177,875	7,115,000
08/01/46	5.00	3,470,000	177,875	3,647,875	3,645,000
02/01/47	5.00	-	91,125	91,125	3,645,000
08/01/47	5.00	3,645,000	91,125	3,736,125	-
Total		$ 53,340,000	$ 42,020,008	$ 95,360,008	

Payment Date	Interest Rate	Loan Draws[1]	Principal Forgiveness[1]	Principal Payments[1]	Interest Payments[1]	Total Debt Service[1]	Principal Balance[1]
Project Fund: Domestic Water							
Project Name: Highway 86 Booster Station & Transmission Main							
State of California Water Resource Control Board - Original Loan $19,391,505							
11/06/19	1.80	$ 10,338,267	$ -	$ -	$ -	$ -	$ 10,338,267
01/01/20	1.80	-	-	-	28,551	28,551	10,338,267
02/07/20	1.80	2,756,882	-	-	-	-	13,095,149
05/07/20	1.80	-	-	-	-	-	13,095,149
06/30/20	1.80	3,108,351	-	-	-	-	16,203,500
07/01/20	1.80	-	3,730,602	-	112,503	112,503	12,472,898
08/17/20	1.80	3,377,835	1,269,398	-	-	-	14,581,335
09/15/20	1.80	1,622,165	-	-	-	-	16,203,500
11/30/20	1.80	690,795	-	-	-	-	16,894,295
01/01/21	1.80	-	-	227,231	138,110	365,341	16,667,064
04/09/21	1.80	363,383	-	-	-	-	17,030,447
06/30/21	1.80	2,133,827	-	-	-	-	19,164,274
07/01/21	1.80	-	-	221,774	151,493	373,268	18,942,499
01/01/22	1.80	-	-	257,620	162,866	420,486	18,684,879
07/01/22	1.80	-	-	252,322	168,164	420,486	18,432,557
01/01/23	1.80	-	-	254,593	165,893	420,486	18,177,965
07/01/23	1.80	-	-	256,884	163,602	420,486	17,921,081
01/01/24	1.80	-	-	259,196	161,290	420,486	17,661,885
07/01/24	1.80	-	-	261,529	158,957	420,486	17,400,356
01/01/25	1.80	-	-	263,883	156,603	420,486	17,136,473
07/01/25	1.80	-	-	266,257	154,228	420,486	16,870,216
01/01/26	1.80	-	-	268,654	151,832	420,486	16,601,562
07/01/26	1.80	-	-	271,072	149,414	420,486	16,330,491
01/01/27	1.80	-	-	273,511	146,974	420,486	16,056,979
07/01/27	1.80	-	-	275,973	144,513	420,486	15,781,006
01/01/28	1.80	-	-	278,457	142,029	420,486	15,502,550
07/01/28	1.80	-	-	280,963	139,523	420,486	15,221,587
01/01/29	1.80	-	-	283,491	136,994	420,486	14,938,096
07/01/29	1.80	-	-	286,043	134,443	420,486	14,652,053
01/01/30	1.80	-	-	288,617	131,868	420,486	14,363,435
07/01/30	1.80	-	-	291,215	129,271	420,486	14,072,221
01/01/31	1.80	-	-	293,836	126,650	420,486	13,778,385
07/01/31	1.80	-	-	296,480	124,005	420,486	13,481,905
01/01/32	1.80	-	-	299,149	121,337	420,486	13,182,756
07/01/32	1.80	-	-	301,841	118,645	420,486	12,880,915
01/01/33	1.80	-	-	304,557	115,928	420,486	12,576,358
07/01/33	1.80	-	-	307,298	113,187	420,486	12,269,059
01/01/34	1.80	-	-	310,064	110,422	420,486	11,958,995
07/01/34	1.80	-	-	312,855	107,631	420,486	11,646,140
01/01/35	1.80	-	-	315,670	104,815	420,486	11,330,470
07/01/35	1.80	-	-	318,511	101,974	420,486	11,011,958
01/01/36	1.80	-	-	321,378	99,108	420,486	10,690,580

Payment Date	Interest Rate	Loan Draws[1]	Principal Forgiveness[1]	Principal Payments[1]	Interest Payments[1]	Total Debt Service[1]	Principal Balance[1]
Project Fund: Domestic Water							
Project Name: Highway 86 Booster Station & Transmission Main							
State of California Water Resource Control Board - Original Loan $19,391,505							
07/01/36	1.80	-	-	324,270	96,215	420,486	10,366,310
01/01/37	1.80	-	-	327,189	93,297	420,486	10,039,121
07/01/37	1.80	-	-	330,134	90,352	420,486	9,708,987
01/01/38	1.80	-	-	333,105	87,381	420,486	9,375,883
07/01/38	1.80	-	-	336,103	84,383	420,486	9,039,780
01/01/39	1.80	-	-	339,128	81,358	420,486	8,700,652
07/01/39	1.80	-	-	342,180	78,306	420,486	8,358,472
01/01/40	1.80	-	-	345,259	75,226	420,486	8,013,213
07/01/40	1.80	-	-	348,367	72,119	420,486	7,664,846
01/01/41	1.80	-	-	351,502	68,984	420,486	7,313,344
07/01/41	1.80	-	-	354,666	65,820	420,486	6,958,678
01/01/42	1.80	-	-	357,858	62,628	420,486	6,600,821
07/01/42	1.80	-	-	361,078	59,407	420,486	6,239,742
01/01/43	1.80	-	-	364,328	56,158	420,486	5,875,414
07/01/43	1.80	-	-	367,607	52,879	420,486	5,507,807
01/01/44	1.80	-	-	370,915	49,570	420,486	5,136,892
07/01/44	1.80	-	-	374,254	46,232	420,486	4,762,638
01/01/45	1.80	-	-	377,622	42,864	420,486	4,385,016
07/01/45	1.80	-	-	381,021	39,465	420,486	4,003,996
01/01/46	1.80	-	-	384,450	36,036	420,486	3,619,546
07/01/46	1.80	-	-	387,910	32,576	420,486	3,231,636
01/01/47	1.80	-	-	391,401	29,085	420,486	2,840,235
07/01/47	1.80	-	-	394,924	25,562	420,486	2,445,312
01/01/48	1.80	-	-	398,478	22,008	420,486	2,046,834
07/01/48	1.80	-	-	402,064	18,422	420,486	1,644,769
01/01/49	1.80	-	-	405,683	14,803	420,486	1,239,087
07/01/49	1.80	-	-	409,334	11,152	420,486	829,753
01/01/50	1.80	-	-	413,018	7,468	420,486	416,735
07/01/50	1.80	-	-	416,735	3,751	420,485	-
Total		$ 24,391,505	$ 5,000,000	$ 19,391,505	$ 5,876,328	$ 25,267,833	

Note 1: Dollar amounts are rounded to nearest whole dollar.

Payment Date	Interest Rate	Principal Payments[1]	Interest Payments[1]	Total Debt Service[1]	Principal Balance[1]
Project Fund: East Whitewater Replenishment					
Project Name: Oasis-In Lieu-Recharge					
Debt Issuance: Coachella Valley Water District, 2021A-Original Issue $42,080,000					
08/01/21	5.00	$ -	$ 193,135	$ 193,135	$ 42,080,000
02/01/22	5.00	-	939,575	939,575	42,080,000
08/01/22	5.00	-	939,575	939,575	42,080,000
02/01/23	5.00	-	939,575	939,575	42,080,000
08/01/23	5.00	-	939,575	939,575	42,080,000
02/01/24	5.00	-	939,575	939,575	42,080,000
08/01/24	5.00	-	939,575	939,575	42,080,000
02/01/25	5.00	-	939,575	939,575	42,080,000
08/01/25	5.00	-	939,575	939,575	42,080,000
02/01/26	5.00	-	939,575	939,575	42,080,000
08/01/26	5.00	-	939,575	939,575	42,080,000
02/01/27	5.00	-	939,575	939,575	42,080,000
08/01/27	5.00	160,000	939,575	1,099,575	41,920,000
02/01/28	5.00	-	935,575	935,575	41,920,000
08/01/28	5.00	1,000,000	935,575	1,935,575	40,920,000
02/01/29	5.00	-	910,575	910,575	40,920,000
08/01/29	5.00	1,055,000	910,575	1,965,575	39,865,000
02/01/30	5.00	-	884,200	884,200	39,865,000
08/01/30	5.00	1,105,000	884,200	1,989,200	38,760,000
02/01/31	5.00	-	856,575	856,575	38,760,000
08/01/31	5.00	1,165,000	856,575	2,021,575	37,595,000
02/01/32	5.00	-	827,450	827,450	37,595,000
08/01/32	5.00	1,225,000	827,450	2,052,450	36,370,000
02/01/33	5.00	-	796,825	796,825	36,370,000
08/01/33	5.00	1,285,000	796,825	2,081,825	35,085,000
02/01/34	5.00	-	764,700	764,700	35,085,000
08/01/34	4.00	1,345,000	764,700	2,109,700	33,740,000
02/01/35	4.00	-	737,800	737,800	33,740,000
08/01/35	4.00	1,400,000	737,800	2,137,800	32,340,000
02/01/36	4.00	-	709,800	709,800	32,340,000
08/01/36	4.00	1,455,000	709,800	2,164,800	30,885,000
02/01/37	4.00	-	680,700	680,700	30,885,000
08/01/37	4.00	1,515,000	680,700	2,195,700	29,370,000
02/01/38	4.00	-	650,400	650,400	29,370,000
08/01/38	4.00	1,580,000	650,400	2,230,400	27,790,000
02/01/39	4.00	-	618,800	618,800	27,790,000
08/01/39	4.00	1,645,000	618,800	2,263,800	26,145,000
02/01/40	4.00	-	585,900	585,900	26,145,000
08/01/40	4.00	1,710,000	585,900	2,295,900	24,435,000
02/01/41	4.00	-	551,700	551,700	24,435,000
08/01/41	4.00	1,780,000	551,700	2,331,700	22,655,000
02/01/42	4.00	-	516,100	516,100	22,655,000

Payment Date	Interest Rate	Principal Payments[1]	Interest Payments[1]	Total Debt Service[1]	Principal Balance[1]
Project Fund: East Whitewater Replenishment					
Project Name: Oasis-In Lieu-Recharge					
Debt Issuance: Coachella Valley Water District, 2021A-Original Issue $42,080,000					
08/01/42	4.00	1,855,000	516,100	2,371,100	20,800,000
02/01/43	4.00	-	479,000	479,000	20,800,000
08/01/43	4.00	1,930,000	479,000	2,409,000	18,870,000
02/01/44	4.00	-	440,400	440,400	18,870,000
08/01/44	4.00	2,005,000	440,400	2,445,400	16,865,000
02/01/45	4.00	-	400,300	400,300	16,865,000
08/01/45	4.00	2,090,000	400,300	2,490,300	14,775,000
02/01/46	4.00	-	358,500	358,500	14,775,000
08/01/46	4.00	2,175,000	358,500	2,533,500	12,600,000
02/01/47	4.00	-	315,000	315,000	12,600,000
08/01/47	4.00	2,275,000	315,000	2,590,000	10,325,000
02/01/48	4.00	-	258,125	258,125	10,325,000
08/01/48	4.00	2,390,000	258,125	2,648,125	7,935,000
02/01/49	4.00	-	198,375	198,375	7,935,000
08/01/49	4.00	2,515,000	198,375	2,713,375	5,420,000
02/01/50	4.00	-	135,500	135,500	5,420,000
08/01/50	4.00	2,640,000	135,500	2,775,500	2,780,000
02/01/51	4.00	-	69,500	69,500	2,780,000
08/01/51	5.00	2,780,000	69,500	2,849,500	-
Total		$ 42,080,000	$ 38,831,635	$ 80,911,635	

Note 1: Dollar amounts are rounded to nearest whole dollar.

Payment Date	Interest Rate	Principal Payments[1]	Interest Payments[1]	Total Debt Service[1]	Principal Balance[1]
Project Fund: East Whitewater Replenishment					
Project Name: Oasis-In Lieu-Recharge					
Coachella Valley Water District, 2021B Original Issue $810,000					
08/01/21	1.35	$ -	$ 1,124	$ 1,124	$ 810,000
02/01/22	1.35	-	5,468	5,468	810,000
08/01/22	1.35	-	5,468	5,468	810,000
02/01/23	1.35	-	5,468	5,468	810,000
08/01/23	1.35	-	5,468	5,468	810,000
02/01/24	1.35	-	5,468	5,468	810,000
08/01/24	1.35	-	5,468	5,468	810,000
02/01/25	1.35	-	5,468	5,468	810,000
08/01/25	1.35	-	5,468	5,468	810,000
02/01/26	1.35	-	5,468	5,468	810,000
08/01/26	1.35	-	5,468	5,468	810,000
02/01/27	1.35	-	5,468	5,468	810,000
08/01/27	1.35	810,000	5,468	815,468	-
Total		$ 810,000	$ 66,734	$ 876,734	

Note 1: Dollar amounts are rounded to nearest whole dollar.



Nonpotable water pipeline connection

DISTRICTWIDE



DISTRICTWIDE PROJECTS

Planned Districtwide projects for fiscal year 2024 amount to over $4.9 million. Except for $131,450 in grant funding, Districtwide projects are funded with Pay-Go funds. These projects are not specific to any fund, and the expenses are allocated to the following enterprise funds: Canal Water, Domestic Water, Sanitation, Stormwater, East Whitewater Replenishment, and West Whitewater Replenishment.

Capital Improvement Budget - Districtwide

Project Name	Budget FY 2024	Planned FY 2025	FY 2026	FY 2027	FY 2028	Total 5-Year
Districtwide - Allocated						
Enterprise Resource Planning and Utility Billing System	$1,625,000	$1,625,000	$1,625,000	$1,625,000	$ -	$6,500,000
Information Systems Infrastructure Upgrade	400,000	400,000	500,000	500,000	500,000	2,300,000
Palm Desert Demonstration Garden	70,900	-	-	-	-	70,900
Palm Desert Operations Parking Lot Rehabilitation, Phases 2 -4	1,000,000	1,200,000	1,500,000	-	-	3,700,000
Palm Desert Upgrade Transfer Switch and Power Distribution	500,000	-	-	-	-	500,000
Salt and Nutrient Management Plan Monitoring Wells, Phase 2	300,000	200,000	-	-	-	500,000
Steve Robbins Administrative Building Board Room Audio and Video Upgrade	581,000	-	-	-	-	581,000
Supervisory Control and Data Acquisition Master Plan and System Replacement	500,000	500,000	500,000	500,000	500,000	2,500,000
Total Districtwide	**$4,976,900**	**$3,925,000**	**$4,125,000**	**$2,625,000**	**$1,000,000**	**$16,651,900**

Enterprise Resource Planning and Utility Billing System

Project Number: GD2301

Project Description

This project includes the replacement of CVWD's Enterprise Resource Planning (ERP) system and Utility Billing/Canal Billing system (UB). The scope of this multi-year project includes the analysis, selection, purchase, and implementation of the software and hardware necessary to replace and integrate these systems. CVWD relies on NaviLine, iSeries, and various third-party systems that have an uncertain future and do not fully leverage current-day technological capabilities to support CVWD's needs to implement best practice processes. The existing ERP and UB system is further challenged by its inability to fully integrate with other core business and operational systems, resulting in unnecessary redundancy, fragmented information, and increased risk of compromising data integrity.



Project Objectives

The objective of this project is to obtain a long-term, stable ERP and UB system that follows best practices for streamlined business processes and provides information that supports improved decision-making. Staff is seeking a system provided by a vendor with a strong commitment to advancement by taking advantage of new technologies and responding to regulatory and industry changes.

Schedule

Start:	07/01/2021	Complete:	06/30/2027	Project Status:	Planning

Estimated Project Cost ($)	6,650,000
Capitalized Labor	500,000
Planning/Design	150.000
Software/Hardware	6,000,000

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	150,000	1,625,000	1,625,000	1,625,000	1,625,000	0

Other Financial Impact	Ongoing annual costs for operation, support, and maintenance are expected in the long term.		
Operational Impact	None.		
Discretionary	☑	Non-Discretionary	☐

Information Systems Infrastructure Upgrade

Project Number: GD2201

Project Description

This project includes the annual replacement of critical end-of-life computer and network equipment. In FY 2023-24, Information Systems needs to replace the two backup tape libraries and two IBM servers. The libraries back up all critical systems. The servers host the Canal and Finance systems and several other on-premises applications.



Project Objectives

The objective of this project is to replace eight physical servers, three network switches, two firewalls, and network storage components.

Schedule

Start:	07/01/2021	Complete:	06/30/2028	Project Status:	Planning

Estimated Project Cost ($)	3,005,000
Other	3,005,000

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
349,900	355,100	400,000	400,000	500,000	500,000	500,000

Other Financial Impact	None.		
Operational Impact	If the systems stop working, it will impact Information Systems' ability to support critical operations.		
Discretionary	☐	Non-Discretionary	☑

Palm Desert Demonstration Garden

Project Number: GD2206

Project Description

This project includes replacing approximately 1,700 square feet of area with water-efficient irrigation systems, various ground covers, examples of maintaining challenging slopes and microclimates, and a selection of desert-friendly varieties of plants reflecting the most recent edition of CVWD's "Lush and Efficient" landscaping book. The demonstration garden may also be used as an outdoor classroom area. This project also includes redesigned parking for ADA compliance. This is a grant-funded project.



Project Objectives

This project aims to maximize stakeholder involvement and stewardship in water resource management by increasing water-use efficiency and water conservation in the Coachella Valley Groundwater Basin. The demonstration garden will educate the public on efficient outdoor water use and desert-friendly garden design.

Schedule

Start:	07/01/2021	Complete:	06/30/2024	Project Status:	Design

Estimated Project Cost ($)	378,400
Consultant	378,400

Funding Source	%
Grant	50
Pay-as-you-go	50

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
23,900	283,600	70,900	0	0	0	0

Other Financial Impact	None.		
Operational Impact	None.		
Discretionary	☐	Non-Discretionary	☑

Palm Desert Operations Parking Lot Rehabilitation, Phases 2-4

Project Number: GD2302

Project Description

This project includes rehabilitating the other half of the Palm Desert employees' parking lot located on the west side of the Operations & Critical Services buildings and CVWD vehicles parking lot located on the south side of the Operations building. Pavement improvements will include slurry and asphalt crack treatment.



Project Objectives

The objective of this project is to rehabilitate the pavement at the other half of the existing Palm Desert employee's parking lot located on the west side of the existing Operations & Critical Support Services buildings and Palm Desert Operations heavy equipment and trucks parking lot located south of the building and install new pavement with all necessary associated pavement work.

Schedule

Start:	07/01/2022	Complete:	06/30/2026	Project Status:	Construction

Estimated Project Cost ($)	3,790,000
Capitalized Labor	180,010
Construction	3,496,319
Planning/Design	113,671

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	90,000	1,000,000	1,200,000	1,500,000	0	0

Other Financial Impact	Reduce operations and maintenance repairs due to pavement failures.		
Operational Impact	This project will need routine repairs and maintenance.		
Discretionary	☐	Non-Discretionary	☑

Palm Desert Upgrade Transfer Switch and Power Distribution

Project Number: GD2303

Project Description

This project includes investigation, field inspection, and design of a new switchboard, stand-alone automatic transfer switch, and 400kW generator refurbishment.



Project Objectives

The objective of this project is to design the needed upgrades to the existing switchboard and automatic transfer switch and to inspect and determine the needed renovations to the existing generator.

Schedule

Start:	07/01/2022	Complete:	06/30/2024	Project Status:	Planning

Estimated Project Cost ($)	574,000
Capitalized Labor	18,720
Construction	545,280
Other	10,000

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	74,000	500,000	0	0	0	0

Other Financial Impact	None.		
Operational Impact	None.		
Discretionary	☑	Non-Discretionary	☐

Salt and Nutrient Management Plan Monitoring Wells, Phase 2

Project Number: GD2401

Project Description

This project consists of the drilling of two (2) new monitoring wells under the Feb. 19, 2020, and April 27, 2020 letters from the Colorado River Basin Regional Water Quality Control Board (Regional Board), the SNMP Agencies (CVWD, and seven other water and wastewater agencies) are developing a Coachella Valley Salt and Nutrient Management Plan Development Workplan (SNMP Development Workplan) to define the scope of work that the SNMP Agencies will follow to update the Coachella Valley Salt and Nutrient Management Plan (CV-SNMP). The SNMP Development Workplan required a Groundwater Monitoring Program Workplan that identifies the existing gaps in the monitoring network and a plan to fill these gaps. A final Groundwater Monitoring Program Workplan was submitted to the Regional Board on Dec. 23, 2020, which identified 23 monitoring wells that must be constructed to address monitoring network gaps in the shallow and perched aquifers. CVWD is responsible for constructing and sampling 15 monitoring wells identified as gaps within its Groundwater Sustainability Agency (GSA) boundary by December 2026 to comply with the Groundwater Monitoring Program Workplan.



Project Objectives

The objective of this project is to construct new monitoring wells to improve the water quality data in the Desert Hot Springs and Mission Creek/Desert Hot Springs Subbasins Groundwater Models, as well as to improve the efficiency and effectiveness of water resource management, particularly as it relates to groundwater sustainability.

Schedule

Start:	01/01/2023	Complete:	06/28/2024	Project Status:	Construction

Estimated Project Cost ($)	540,000
Capitalized Labor	40,160
Construction	379,840
Planning/Design	120,000

Funding Source	%
Grant	32
Pay-as-you-go	68

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
0	40,000	300,000	200,000	0	0	0

Other Financial Impact	None.		
Operational Impact	None.		
Discretionary	☐	Non-Discretionary	☑

Steve Robbins Administration Building Board Room Audio and Video Upgrade

Project Number: GD2204

Project Description

This project includes upgrading and replacing the audio-visual equipment in the Steve Robbins Administration Building because it has reached the end of its useful life. The upgrade and replacement include the Board, training, and conference rooms.



Project Objectives

The objective of this project is to upgrade and replace the audio-visual equipment in the Steve Robbins Administration Building, including the Board, conference, and training rooms.

Schedule

Start:	07/01/2021	Complete:	06/30/2024	Project Status:	Construction

Estimated Project Cost ($)	949,700
Consultant	949,700

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
33,700	335,000	581,000	0	0	0	0

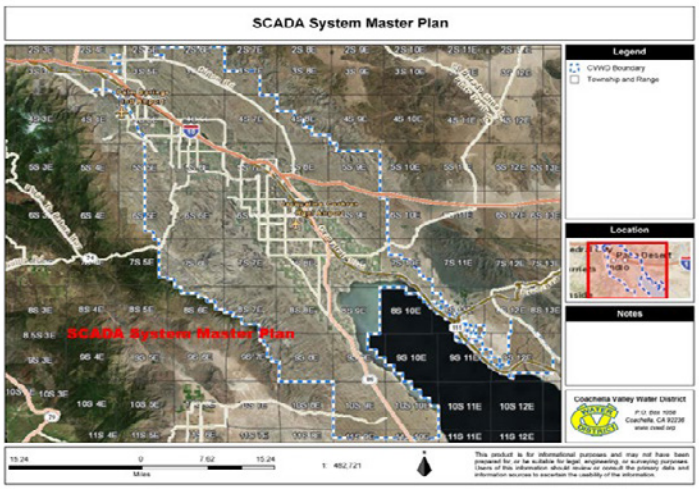
Other Financial Impact	None.		
Operational Impact	If the system stops working, it will impact our ability to host meetings as usual.		
Discretionary	☐	Non-Discretionary	☑

Supervisory Control and Data Acquisition (SCADA) Master Plan and System Replacement

Project Number: GD1301

Project Description

The initial phase of this project reviewed and evaluated the existing Supervisory Control and Data Acquisition (SCADA) system to develop a master plan for replacing aging and outdated equipment with a new and modern SCADA system. The SCADA System Master Plan has created a program of 11 projects to implement the plan. CVWD continuously monitors and operates facilities remotely from a single SCADA Control Room, but much of the current SCADA System is obsolete. The new system will increase security and avoid potential system failures. The upgrade will also allow for easier access to stored information that can be used for "beyond-SCADA" uses such as asset management or engineering design.



Project Objectives

The modernization and upgrade of the SCADA system will allow CVWD staff to operate, monitor, and control facilities more efficiently with up-to-date hardware and software.

Schedule

Start:	03/01/2019	Complete:	06/30/2028	Project Status:	Construction

Estimated Project Cost ($)	23,366,000
Capitalized Labor	1,288,000
Construction	10,800,000
Other	11,278,000

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
18,466,000	2,400,000	500,000	500,000	500,000	500,000	500,000

Other Financial Impact	The ongoing costs for operation, support, and maintenance of the new SCADA system are expected, in the long term, to be equivalent to the existing SCADA system. While components for the new system will be more powerful than the old components, they will also be more energy efficient. In addition, labor savings realized through increased automation will likely result in improved service rather than reduced cost.		
Operational Impact	None.		
Discretionary	☐	Non-Discretionary	☑

DOMESTIC WATER



DOMESTIC WATER PROJECTS

Planned Domestic Water Fund projects for fiscal year 2024 amount to over $38.8 million. Approximately $10.1 million is funded by Pay-Go funds, over $2.8 million in Water System Backup Facility Charges, $13.1 in debt, and $12.8 million in grants.

Capital Improvement Budget - Domestic Water

Project Name	Budget FY 2024	Planned FY 2025	FY 2026	FY 2027	FY 2028	Total 5-Year
Districtwide Project Allocation	$2,218,150	$1,650,750	$1,743,750	$1,068,750	$500,000	$7,181,400
Subtotal Districtwide Project Allocation	**$2,218,150**	**$1,650,750**	**$1,743,750**	**$1,068,750**	**$500,000**	**$7,181,400**
Booster Station Construction Program						
Booster Station 05513 Rehabilitation and Upgrade	$ -	$500,000	$1,385,000	$1,300,000	$ -	$3,185,000
Booster Station 07101 Rehabilitation and Upgrade	50,000	468,750	1,406,250	-	-	1,925,000
Booster Station 07102 Rehabilitation and Upgrade	50,000	20,000	433,750	1,361,250	-	1,865,000
Booster Station 07990 Rehabilitation and Upgrade	832,500	2,347,500	-	-	-	3,180,000
Hydropneumatic/Surge Tank Replacement Program, Phase 2	425,300	-	-	-	-	425,300
Hydropneumatic/Surge Tank Replacement Program, Phases 3 -6	-	500,000	500,000	500,000	500,000	2,000,000
Subtotal Booster Station Construction Program	**$1,357,800**	**$3,836,250**	**$3,725,000**	**$3,161,250**	**$500,000**	**$12,580,300**
Reservoir Construction Program						
Reservoir 4602-2 Warranty	$5,000	$ -	$ -	$ -	$ -	$5,000
Reservoir 4605-2 Warranty	10,000	-	-	-	-	10,000
Reservoir 4606-2 Warranty	10,000	-	-	-	-	10,000
Reservoir 4711-3 and 4711-4 Design and Construction	2,750,000	1,480,000	-	-	-	4,230,000
Reservoir 5514-2 Design and Construction	-	500,000	1,100,000	680,000	-	2,280,000
Reservoir 7101-2 Design and Construction	2,850,000	150,000	-	-	-	3,000,000
Reservoir 7802-2 Design and Construction	-	100,000	50,000	4,000,000	4,000,000	8,150,000
Reservoir 8121-2 Design and Construction	-	-	100,000	50,000	1,500,000	1,650,000
Subtotal Reservoir Construction Program	**$5,625,000**	**$2,230,000**	**$1,250,000**	**$4,730,000**	**$5,500,000**	**$19,335,000**

Capital Improvement Budget - Domestic Water (continued)

Project Name	Budget FY 2024	Planned FY 2025	FY 2026	FY 2027	FY 2028	Total 5-Year
Water Main Improvements						
Adams Street Water Main Replacement, Phase 1	$4,725,000	$ -	$ -	$ -	$ -	$4,725,000
Avenue 66 Transmission Main, Phases 1B and Phase 2	5,000,000	15,000,000	13,000,000	900,000	-	33,900,000
Avenue 70 and Pierce Street Transmission Main	-	-	-	500,000	4,500,000	5,000,000
Dale Kiler Road Water Main Replacement	4,750,000	1,400,000	-	-	-	6,150,000
Lake Cahuilla/Middleton Road PRV	-	-	500,000	-	-	500,000
North Shore Water Main Replacements	5,950,000	-	-	-	-	5,950,000
Preliminary Design Report for Highway 86 Transmission Main, Phases 3 and 4	500,000	-	-	7,500,000	7,500,000	15,500,000
Sky Mountain Pressure Zone Enhancements - Thousand Palms Area	-	-	-	100,000	1,950,000	2,050,000
Sun City Palm Desert Water Main Replacement, Phase 2B	-	4,000,000	6,000,000	3,000,000	-	13,000,000
Sun City Palm Desert Water Main Replacement, Phase 3A	-	-	-	-	500,000	500,000
Talavera Water Main Replacement, Phase 1	-	500,000	1,000,000	5,800,000	-	7,300,000
Talavera Water Main Replacement, Phase 3	-	-	-	-	500,000	500,000
Tri-Palms Water Main Replacements, Phase 1	-	-		2,020,000	-	2,020,000
Valley View Consolidation	600,000	150,000	4,000,000	4,000,000	3,000,000	11,750,000
Via De Anza Water Main Replacement, Phase 2	520,000	600,000	-	-	-	1,120,000
Subtotal Water Main Improvements	**$22,045,000**	**$21,650,000**	**$24,500,000**	**$23,820,000**	**$17,950,000**	**$109,965,000**
Collection						
New Wells (x2 Mecca/ Middleton/ La Quinta/ Valley/ Sky Mountain/ Date Palm/ Mission Hills)	$15,000	$100,000	$1,500,000	$3,500,000	$3,500,000	$8,615,000
Well & BS Back-Up Generators x 10	-	-	600,000	600,000	-	1,200,000
Well 4529-1 Motor Control Center Procurement	350,000	-	-	-	-	350,000
Well 4529-1 Pumping Plant	1,400,000	-	-	-	-	1,400,000
Well 4530-1 Drilling and Construction	350,000	3,500,000	300,000	-	-	4,150,000
Well Rehabilitation Project, Phase 3	350,000	-	-	-	-	350,000
Well Rehabilitation Project, Phases 4 -7	-	350,000	350,000	350,000	350,000	1,400,000
Subtotal Collection	**$2,465,000**	**$3,950,000**	**$2,750,000**	**$4,450,000**	**$3,850,000**	**$17,465,000**
Well Drilling and Upgrade Program						
Chromium 6 Treatment Full Scale Stannous Demonstration	$100,000	$100,000	$ -	$ -	$ -	$200,000
Ion Exchange Treatment Plant (IXTP) 7991 Replacement	5,000,000	2,750,000	-	-	-	7,750,000
Subtotal Well Drilling and Upgrade Program	**$5,100,000**	**$2,850,000**	**$ -**	**$ -**	**$ -**	**$7,950,000**
Total Domestic Water	**$38,810,950**	**$36,167,000**	**$33,968,750**	**$37,230,000**	**$28,300,000**	**$174,476,700**

Booster Station 07101 Rehabilitation and Upgrade

Project Number: B02202

Project Description

This project includes upgrading all necessary aboveground and belowground appurtenances including pumps and motors, piping, valves, mechanical, structural, electrical, instrumentation, telemetry switch and other miscellaneous work to improve the reliability and efficiency of Booster Station 07101. The booster pump station provides vital domestic water service and fire flow protection to customers in the North Shore community. This project will improve reliability by replacing corroded submersible pump cans and piping.



Project Objectives

The objective of this project is to improve system reliability and efficiency by replacing the aging mechanical and electrical equipment.

Schedule

Start :	07/01/2021	Complete :	06/30/2026	Project Status :	Planning

Estimated Project Cost ($)	2,015,240
Capitalized Labor	350,400
Construction	1,490,000
Other	24,840
Planning/Design	150,000

Funding Source	%
Grant	40
Loan	60

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
200	90,040	50,000	468,750	1,406,250	0	0

Other Financial Impact	Decreased electrical operating costs due to more efficient pumps and motors.		
Operational Impact	Booster Station 07101 is in need of replacement. This station is required to provide water to a portion of a community in the North Shore area, and if it fails, customers will be without water until it is repaired.		
Discretionary	☐	Non-Discretionary	☑

Booster Station 07102 Rehabilitation and Upgrade

Project Number: B02203

Project Description

This project includes upgrading all necessary aboveground and belowground appurtenances including pumps and motors, piping, valves, mechanical, structural, electrical, instrumentation, telemetry and other miscellaneous work to improve the reliability and efficiency of the Booster Station 07102. The booster pump station provides vital domestic water service and fire flow protection to customers in the northeastern portion of the North Shore community. This project will improve reliability by replacing corroded submersible pump cans and piping.



Project Objectives

The objective of this project is to improve system reliability and efficiency by replacing the aging mechanical and electrical equipment.

Schedule

Start :	01/07/2021	Complete :	06/30/2027	Project Status :	Planning

Estimated Project Cost ($)	1,955,240
Capitalized Labor	350,400
Construction	1,429,600
Other	25,240
Planning/Design	150,000

Funding Source	%
Grant	40
Loan	60

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
200	90,040	50,000	20,000	433,750	1,361,250	0

Other Financial Impact	Decreased electrical operating costs due to more efficient pumps and motors.		
Operational Impact	Booster Station 07102 is in need of replacement. This station is required to provide water to a portion of a community in the North Shore area, and if it fails customers will be without water until it is repaired.		
Discretionary	☐	Non-Discretionary	☑

Booster Station 07990 Rehabilitation and Upgrade

Project Number: B02201

Project Description

This project includes rehabilitating and upgrading Booster Pump Station 07990 and all necessary aboveground and belowground appurtenances, including pumps and motors, piping, valves, mechanical, structural, electrical, instrumentation, telemetry and other miscellaneous work.



Project Objectives

The objective of this project is to improve system reliability by replacing the aging mechanical and electrical equipment.

Schedule

Start :	07/29/2019	Complete :	06/30/2025	Project Status :	Design

Estimated Project Cost ($)	3,270,240
Capitalized Labor	355,200
Construction	2,740,000
Other	25,040
Planning/Design	150,000

Funding Source	%
Grant	40
Loan	60

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
200	90,040	832,500	2,347,500	0	0	0

Other Financial Impact	Decreased electrical operating costs due to more efficient pumps and motors.		
Operational Impact	Booster Station 07990 is 55 years old and in need of replacement. This station is required to provide water to the communities of North Shore, Bombay Beach, and Hot Mineral Spa. If this booster station were to fail, customers will only have enough water until reservoir storage depletes, which could be a few hours.		
Discretionary	☐	Non-Discretionary	☑

Hydropneumatic/Surge Tank Replacement Program, Phase 2

Project Number: DW2202

Project Description

This project includes replacing aging hydropneumatic tanks in order of priority based on a hydraulic surge analysis and condition assessment of the domestic water system.



Project Objectives

The objective of this project is to replace the existing hydropneumatic tanks in order of priority based on a hydraulic surge analysis and a condition assessment. The tanks are aged, corroding, and need to be replaced for safety purposes to avoid failure and disruption of water service. This is a multi-year program to ultimately replace all of the hydropneumatic tanks in the domestic water system.

Schedule

Start :	07/01/2022	Complete :	06/30/2024	Project Status :	Design

Estimated Project Cost ($)	625,300
Capitalized Labor	28,733
Construction	562,185
Planning/Design	34,382

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	200,000	425,300	0	0	0	0

Other Financial Impact	Reduce unexpected costs to repair damaged tanks.		
Operational Impact	The Hydropneumatic tank /system will maintain water pressure, provide water storage for low flows, mitigate pressure surges in the domestic water distribution system, and allow for the booster pump(s) to cycle at appropriate intervals.		
Discretionary	☐	Non-Discretionary	☑

Reservoir 4602-2 Warranty

Project Number: R01901

Project Description

This project includes conducting a 1 year warranty inspection of the recently constructed 2 million-gallon above ground steel domestic water reservoir. Reservoir 4602-2 was placed into service in January 2022.



Project Objectives

The objective of this project is to provide additional storage to reduce the storage deficiency within the Valley Production Zone. The reservoir will provide a second reservoir within the Thousand Palms community and increase fire flow and domestic water system reliability.

Schedule

Start :	07/02/2018	Complete :	11/30/2024	Project Status :	Warranty

Estimated Project Cost ($)	2,998,500
Capitalized Labor	164,020
Construction	2,571,018
Other	88,462
Planning/Design	165,000

Funding Source	%
WSBFC	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
2,953,500	30,000	5,000	0	0	0	0

Other Financial Impact	Estimated Annual Financial Operating Cost Impact is $1,000 for Operating and Maintenance.		
Operational Impact	None.		
Discretionary	☐	Non-Discretionary	☑

Reservoir 4605-2 Warranty

Project Number: R02005

Project Description

This project includes conducting a one-year warranty inspection of the recently constructed partially buried 10 million-gallon concrete reservoir that serves the Sky Mountain Pressure Zone (SMPZ). The reservoir was placed into service in June 2022 (Fiscal Year 2021-2022).



Project Objectives

The objective of this project was to construct a second 10 million-gallon concrete domestic water storage tank on our existing tank site. The recently constructed reservoir reduced the zone storage deficiency and improve the reliability of the system.

Schedule

Start :	02/18/2019	Complete :	06/30/2024	Project Status :	Warranty

Estimated Project Cost ($)	10,010,900
Capitalized Labor	127,200
Construction	9,531,072
Other	352,628

Funding Source	%
WSBFC	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
9,303,900	697,000	10,000	0	0	0	0

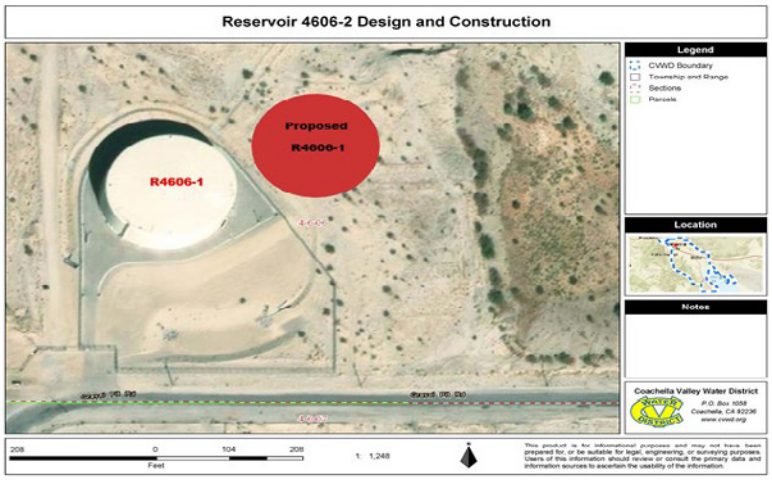
Other Financial Impact	Additional storage allows operations to take advantage of decreased electrical rates for domestic water wells within the pressure zone.		
Operational Impact	The new reservoir will serve current and future water demands on both sides of I-10 within the SMPZ and improve the reliability of the system.		
Discretionary	☐	Non-Discretionary	☑

Reservoir 4606-2 Warranty

Project Number: R02006

Project Description

This project includes conducting a one-year warranty inspection of the recently constructed 6.5 million gallon above ground steel domestic water storage reservoir that serves customers in Sections 13, 19 and 24 in the area known as CVWD's Mission Hills Pressure Zone. Reservoir 4606-2 was placed into service in March 2022.



Project Objectives

The objective of this project was to construct an additional 6.5 million-gallon aboveground steel domestic water reservoir within the Mission Hills Production Zone.

Schedule

Start :	07/29/2019	Complete :	12/31/2024	Project Status :	Warranty

Estimated Project Cost ($)	4,116,064
Capitalized Labor	150,400
Construction	3,468,164
Other	347,500
Planning/Design	150,000

Funding Source	%
WSBFC	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
4,098,564	7,500	10,000	0	0	0	0

Other Financial Impact	Enable well operation flexibility to take advantage of reduced electrical rates during off-peak hours.		
Operational Impact	Increase the amount of water storage per customer in the Mission Hills Production Zone and provide redundancy to enable existing Reservoir 4606-1 to be removed from service for rehabilitation.		
Discretionary	☐	Non-Discretionary	☑

Reservoirs 4711-3 and 4711-4 Design and Construction

Project Number: R01503

Project Description

This project consists of designing and constructing two new 1 million-gallon reservoirs to replace Reservoirs 4711-1 and 4711-2. Both existing reservoirs are bolted steel tanks that are old, leak, and have moderate to severe corrosion on the bolt runs, as noted in CVWD's Reservoir Prioritization Report dated April 2018. Analysis shows that replacing the existing reservoirs with new welded steel reservoirs is more cost effective than rehabilitating the existing reservoirs.



Project Objectives

The objective of this project is to provide additional storage in the Sky Valley Pressure Zone for more reliable service.

Schedule

Start :	01/02/2023	Complete :	06/30/2025	Project Status :	Construction

Estimated Project Cost ($)	4,561,300
Capitalized Labor	138,030
Construction	3,885,270
Other	338,000
Planning/Design	200,000

Funding Source	%
Grant	20
WSBFC	80

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
291,300	40,000	2,750,000	1,480,000	0	0	0

Other Financial Impact	None.		
Operational Impact	The two proposed reservoirs will allow CVWD to take each reservoir out of service for routine O&M without jeopardizing service to our customers.		
Discretionary	☑	Non-Discretionary	☐

Reservoir 7101-2 Design and Construction

Project Number: R02004

Project Description

This project includes the design and construction of a new 1 million-gallon welded steel above ground domestic water storage reservoir on an existing CVWD reservoir/booster site located in the community of North Shore on 70th Avenue. The new Reservoir 7101-2 will provide additional water storage for the North Shore area and will allow for removal of existing Reservoir 7101-1 from service for rehabilitation.



Project Objectives

The objective of this project is to construct an additional above ground steel domestic water reservoir at existing CVWD Site 7101 to provide additional water storage for increasing domestic water and fire protection demands within the North Shore Pressure Zone.

Schedule

Start :	07/29/2019	Complete :	12/31/2024	Project Status :	Construction

Estimated Project Cost ($)	3,463,400
Capitalized Labor	395,827
Construction	2,396,500
Other	521,073
Planning/Design	150,000

Funding Source	%
Grant	35
Loan	65

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
156,400	307,000	2,850,000	150,000	0	0	0

Other Financial Impact	Tank will need inspection every five years per SWRCB requirements.		
Operational Impact	The construction of new Reservoir 7101-2 will improve the system's reliability by enhancing the water storage capacity for customers within this pressure zone. In addition, the proposed reservoir would allow CVWD to take Reservoir 7101-1 out of service for routine O&M without jeopardizing service to our customers.		
Discretionary	☐	Non-Discretionary	☑

Adams Street Water Main Replacement, Phase 1

Project Number: DW2004

Project Description

This project includes replacing a portion of a 24-inch diameter and 18-inch diameter ductile iron pipe (DIP) transmission water mains along Adams Street from Reservoir 4730 in North Indio to Sun City Palm Desert. These portions of the 24-inch diameter and 18-inch diameter DIP transmission water mains are corroded, at risk for failure, and had a major leak in December 2017. This project is under construction.



Project Objectives

The objective of this project is to replace corroded ductile iron pipe along Adams Street from Reservoir 4730 in North Indio to Sun City Palm Desert.

Schedule

Start :	07/01/2019	Complete :	01/25/2024	Project Status :	Construction

Estimated Project Cost ($)	10,037,400
Capitalized Labor	299,200
Construction	9,172,400
Other	165,800
Planning/Design	400,000

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
312,400	5,000,000	4,725,000	0	0	0	0

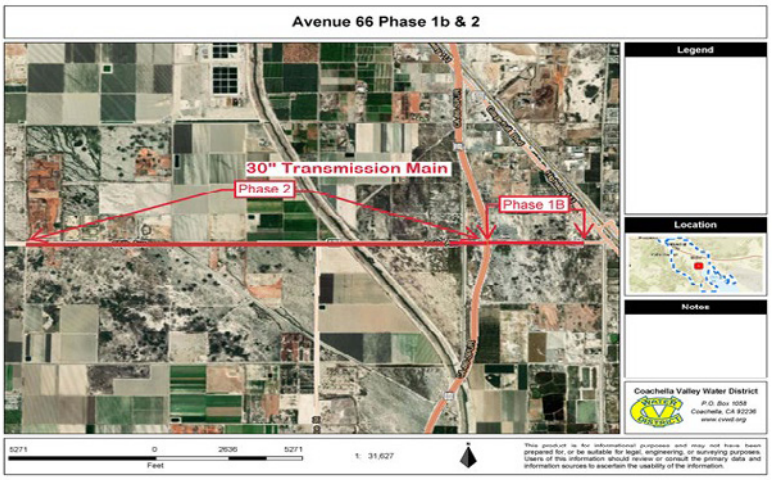
Other Financial Impact	Reduced pipeline maintenance and repair costs.		
Operational Impact	Replacement of the existing water mains will allow CVWD to continue providing reliable domestic water service, fire protection, and reduce unplanned repairs.		
Discretionary	☐	Non-Discretionary	☑

Avenue 66 Transmission Main, Phase 1B and Phase 2

Project Number: DW2105

Project Description

This project includes constructing a 30-inch diameter transmission main along Avenue 66 between the County of Riverside's new Bridge and Polk Street. The transmission main will provide a secondary water supply to Mecca and serve as the backbone water facility for future consolidations in the Eastern Coachella Valley. In addition, the new transmission main will provide a more reliable water supply to customers in these areas.



Project Objectives

The objective of this project is to consolidate small water systems in the Eastern Coachella Valley and provide a secondary water supply to Mecca. The facility will provide a more reliable water supply to customers in this area as well as create opportunities for development and growth.

Schedule

Start :	07/01/2020	Complete :	06/30/2027	Project Status :	Construction

Estimated Project Cost ($)	35,420,200
Capitalized Labor	500,500
Construction	33,900,000
Other	269,700
Planning/Design	750,000

Funding Source	%
Grant	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
1,145,200	375,000	5,000,000	15,000,000	13,000,000	900,000	0

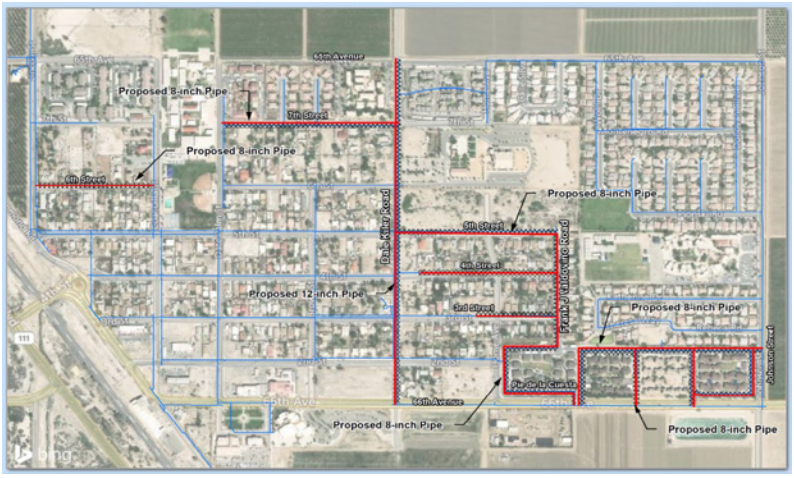
Other Financial Impact	$7 million state funding was received in September 2022 and SWRCB approved a $23.9 million grant April 2022. This funding agreement is expected by April 2023.		
Operational Impact	None.		
Discretionary	☐	Non-Discretionary	☑

Dale Kiler Road Water Main Replacement

Project Number: DW1704

Project Description

This project includes replacing approximately 13,635 linear feet of 8-inch and 12-inch diameter corroded ductile iron pipe (DIP) and appurtenances within Dale Kiler Road and in nearby streets in Mecca. These pipelines were installed approximately twenty-eight (28) years ago and have experienced six (6) water main leaks in the past several years. Water leaks result in an interruption of water service to customers during repairs, disruption to the community, unexpected expenses, and additional staff time to address the impacts resulting from the pipe failures. The funding request for FY 2024 is to cover costs for construction.



Project Objectives

The objective of this project is to eliminate the ongoing leaks, subsequent water outages, and repairs that impact the residents and the streets within the community.

Schedule

Start :	07/29/2019	Complete :	09/30/2025	Project Status :	Planning

Estimated Project Cost ($)	6,562,300
Capitalized Labor	659,800
Construction	5,357,550
Other	194,950
Planning/Design	350,000

Funding Source	%
Loan	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
237,300	175,000	4,750,000	1,400,000	0	0	0

Other Financial Impact	The current system is at capacity, as a result the expansion of housing and commercial activity within Mecca and Area 23 is limited (no new water meters are currently being approved).		
Operational Impact	Without IXTP 7991, there is a single point of failure of water supply. This facility will provide an emergency reliable source of supply water to the Mecca and Area 23 Pressure Zones.		
Discretionary	☐	Non-Discretionary	☑

North Shore Water Main Replacement

Project Number: DW1622

Project Description

This project includes replacing approximately 14,238 linear feet of 4-inch, 6-inch, 8-inch, and 10-inch diameter Asbestos Cement (AC) pipeline with new 24-inch and 12-inch diameter zinc-coated ductile iron pipeline in Bay Drive, Vander Veer Road, 70th Avenue, a portion of Lookout Drive, and a portion of Sea View Way in the unincorporated community of North Shore in Riverside County. The new pipelines will eliminate a hydraulic restriction to Reservoir 7101-1, which will benefit the North Shore Pressure Zone. The funding request for FY 24 is to cover costs for the construction loan.



Project Objectives

The objective of this project is to replace approximately 14,238 linear feet of various sizes of asbestos-concrete water main with 24-inch and 12-inch diameter zinc-coated ductile iron pipeline.

Schedule

Start :	01/01/2022	Complete :	06/30/2024	Project Status :	Construction

Estimated Project Cost ($)	6,295,800
Capitalized Labor	349,070
Construction	4,744,583
Other	982,147
Planning/Design	220,000

Funding Source	%
Loan	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
295,800	50,000	5,950,000	0	0	0	0

Other Financial Impact	Reduce operational leak repairs and maintenance.		
Operational Impact	Replacing and upsizing the existing deteriorated water main will eliminate an existing hydraulic restriction to Reservoir 7101-1. The pipeline will allow CVWD to continue providing reliable domestic water service and fire protection to existing customers within the North Shore area.		
Discretionary	☐	Non-Discretionary	☑

Preliminary Design Report for Highway 86 Transmission Main, Phase 3 and Phase 4

Project Number: DW2104

Project Description

This project includes the preparation of a Preliminary Design Report to identify alternative alignments, right-of-way requirements, and project costs for the Highway 86 Transmission Main, Phase 3 and Phase 4 Project. The proposed pipeline corridor is comprised of State right-of-way and tribal lands and extends from Avenue 84 to Salton City. This project is partially funded using a planning grant from the State Water Resources Control Board.



Project Objectives

The objective of this project is to evaluate alternate alignments and right-of-way for the proposed transmission main.

Schedule

Start :	06/30/2020	Complete :	06/28/2028	Project Status :	Planning

Estimated Project Cost ($)	16,373,300
Capitalized Labor	255,000
Construction	15,000,000
Other	114,380
Planning/Design	1,003,920

Funding Source	%
WSBFC	50
Grant	50

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
273,300	600,000	500,000	0	0	7,500,000	7,500,000

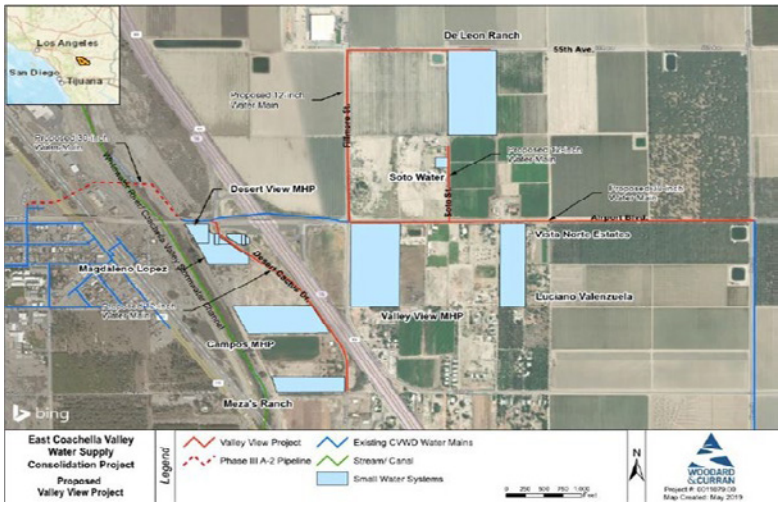
Other Financial Impact	CVWD has obtained planning grant funding.		
Operational Impact	Provide redundancy to the water system servicing the Salton City communities.		
Discretionary	☐	Non-Discretionary	☑

Valley View Consolidation Project

Project Number: DW2113

Project Description

This project includes the consolidation of nine small water systems with CVWD's public water system by installing approximately 16,955 linear feet of 24-inch and 12-inch diameter domestic water ductile iron pipe and appurtenances generally located within Airport Boulevard between Fillmore Street and Pierce Street in the unincorporated community of Thermal. This project will improve the water supply reliability, water quality, and water security of the SWSs, all of which are small, disadvantaged communities.



Project Objectives

This project includes the consolidation of nine SWSs with CVWD's public water system by installing approximately 16,955 linear feet of 24-inch and 12-inch diameter domestic water ductile iron pipe and appurtenances generally located within Airport Boulevard between Fillmore Street and Pierce Street in the unincorporated community of Thermal. This project will improve the water supply reliability, water quality, and water security of the SWSs, all of which are small, disadvantaged communities.

Schedule

Start :	07/01/2020	Complete :	06/30/2028	Project Status :	Design

Estimated Project Cost ($)	12,405,700
Capitalized Labor	341,500
Construction	11,504,200
Other	60,000
Planning/Design	500,000

Funding Source	%
Grant	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
80,700	575,000	600,000	150,000	4,000,000	4,000,000	3,000,000

Other Financial Impact	This project will use grant funding.		
Operational Impact	Increase operations and maintenance costs		
Discretionary	☐	Non-Discretionary	☑

Via De Anza Water Main Replacement, Phase 2

Project Number: DW2303

Project Description

This project includes replacing 650 linear feet of existing 4-inch diameter domestic water steel pipe and appurtenances with new 8-inch diameter ductile iron pipe within Via De Anza Road between Dinah Shore Drive and Olancha Road. The water main is being replaced as part of the City's Phase 2 street improvements project since the street improvements will directly conflict with CVWD's existing pipeline.



Project Objectives

The objective of this project is replacement of the pipeline to prevent future leaks. The existing 4-inch steel pipeline is old and deteriorated and replacement of the pipeline and service lines will improve domestic service, fire protection, and increase reliability of water delivery to customers within the project area.

Schedule

Start :	12/13/2022	Complete :	06/30/2025	Project Status :	Construction

Estimated Project Cost ($)	1,210,000
Capitalized Labor	99,878
Construction	1,074,982
Planning/Design	35,140

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	90,000	520,000	600,000	0	0	0

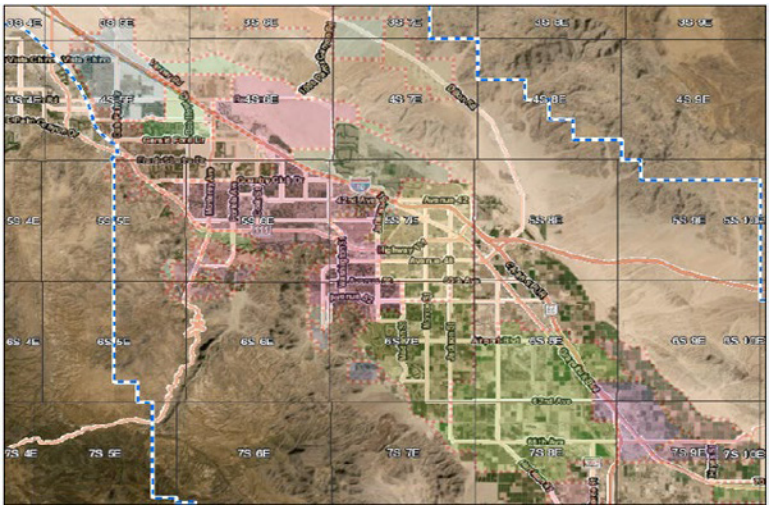
Other Financial Impact	Reduce operations and maintenance repairs due to pipeline failures.		
Operational Impact	Reduce leak repairs.		
Discretionary	☐	Non-Discretionary	☑

New Wells (x2 Mecca/Middleton/La Quinta/Valley/Sky Mountain/Date Palm/Mission Hills)

Project Number: DW2201

Project Description

This project includes the design, drilling, and construction of two new domestic water production wells to support customer demands.



Project Objectives

The objective of this project is to drill and outfit two wells in selected production zones to support increasing demands.

Schedule

Start :	07/01/2021	Complete :	06/22/2028	Project Status :	Planning

Estimated Project Cost ($)	8,654,500
Capitalized Labor	299,600
Construction	8,174,400
Other	41,000
Planning/Design	139,500

Funding Source	%
WSBFC	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
39,000	500	15,000	100,000	1,500,000	3,500,000	3,500,000

Other Financial Impact	None.		
Operational Impact	These wells will support increasing customer demands and provide operational flexibility.		
Discretionary	☐	Non-Discretionary	☑

Well 4529-1 Motor Control Center Procurement

Project Number: DW2110

Project Description

This project includes procuring a Motor Control Center (MCC) for this well. The well was drilled in 2021. Well 4529-1 will support customer demands within the Date Palm production zone and will provide CVWD the ability to maintain existing levels of domestic water production in the event another well in the production zone is taken out of service. MCC procurement is in progress.



Project Objectives

The objective of this project is to drill and outfit a new well to support customer demands in the Date Palm production zone.

Schedule

Start :	10/28/2020	Complete :	06/30/2024	Project Status :	Construction

Estimated Project Cost ($)	2,579,900
Capitalized Labor	180,920
Construction	2,329,609
Other	34,371
Planning/Design	35,000

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
1,616,900	613,000	350,000	0	0	0	0

Other Financial Impact	None.		
Operational Impact	This well will allow additional operational flexibility in the Date Palm production zone and greater reliability in the event of a power outage.		
Discretionary	☐	Non-Discretionary	☑

Well 4529-1 Pumping Plant

Project Number: DW2305

Project Description

This project includes the construction of Well 4529-1 pumping plant and installation of the emergency generator. Well 4529-1 will support customer demands within the Date Palm production zone and will provide CVWD the ability to maintain existing levels of domestic water production in the event another well in the production zone is taken out of service. The emergency backup generator will allow CVWD to continue to provide domestic water service to the local community in the event of commercial power outages. The well has been drilled and this project will equip the well.



Project Objectives

The objective of this project is to equip the recently drilled well to provide reliable service to customers in the Date Palm production zone.

Schedule

Start :	01/05/2023	Complete :	12/20/2024	Project Status :	Construction

Estimated Project Cost ($)	1,400,000
Capitalized Labor	67,000
Construction	1,333,000

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	0	1,400,000	0	0	0	0

Other Financial Impact	None.		
Operational Impact	This well will allow additional operational flexibility in the Date Palm production zone and greater reliability in the event of a power outage.		
Discretionary	☐	Non-Discretionary	☑

Well No. 4530-1 Drilling and Construction

Project Number: DW2302

Project Description

This project includes drilling and construction of Well 4530-1, pumping plant, and emergency generator. Well 4530-1 is a developer funded project that will support new customer demands within the Date Palm production zone. The emergency backup generator will allow CVWD to continue to provide domestic water service to the local community in the event of commercial power outages.



Project Objectives

The objective of this project is to drill and outfit a new well to support customer demands in the Date Palm production zone.

Schedule

Start :	12/14/2022	Complete :	06/27/2026	Project Status :	Design

Estimated Project Cost ($)	4,190,000
Construction	4,190,000

Funding Source	%
WSBFC	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	40,000	350,000	3,500,000	300,000	0	0

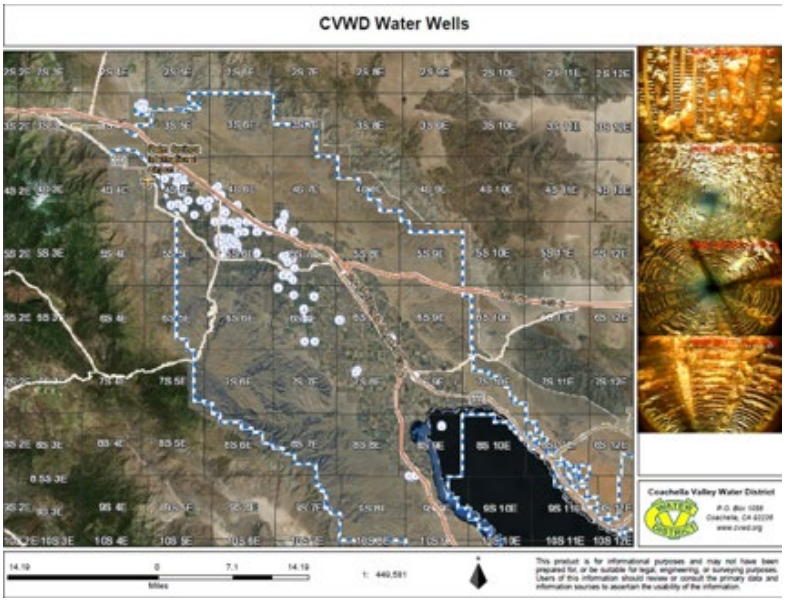
Other Financial Impact	None.		
Operational Impact	This well will allow additional operational flexibility in the Date Palm production zone and greater reliability in the event of a power outage.		
Discretionary	☐	Non-Discretionary	☑

Well Rehabilitation, Phase 3

Project Number: DW2005

Project Description

This project includes implementing the well maintenance prioritization plan to maximize the existing and future well production, and improve the overall well pumping efficiency of active wells. CVWD is dependent on water wells for domestic water production and unexpected failures create major challenges to maintaining an adequate supply. Rehabilitating existing wells will increase efficiency and decrease operating costs as well as reduce the need to build costly new well facilities by improving and extending the service life of existing assets.



Project Objectives

The objective of this project is to implement the well maintenance prioritization plan to maximize the existing and future well production and improve the overall well pumping efficiency of active wells.

Schedule

Start :	07/03/2023	Complete :	06/28/2024	Project Status :	Design

Estimated Project Cost ($)	350,000
Construction	350,000

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	0	350,000	0	0	0	0

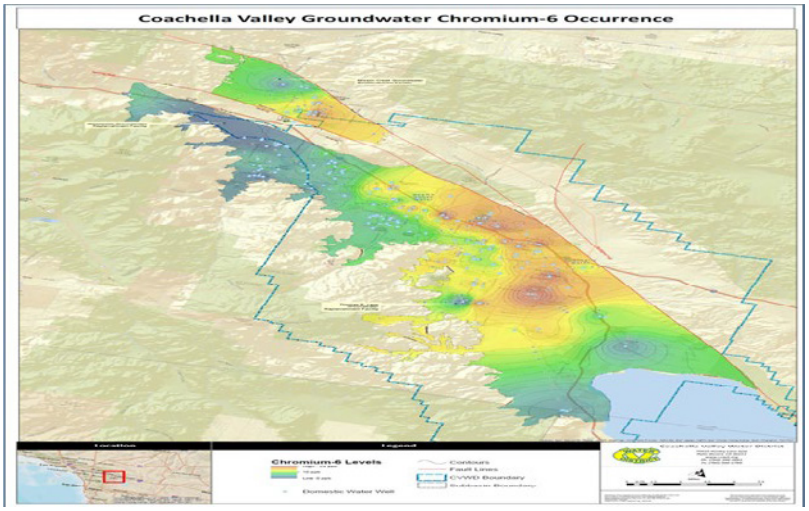
Other Financial Impact	Drilling and equipping a replacement well after a failure currently costs over $1 million and takes approximately two years before it is in operation. Maintenance and rehabilitation of the existing well assets will extend the service life and reduce the number of new wells that will need to be built.		
Operational Impact	This project will improve the reliability of the well pumping plants and will minimize well production down time.		
Discretionary	☐	Non-Discretionary	☑

Chromium 6 Treatment Full Scale Stannous Demonstration Project

Project Number: DW2301

Project Description

This project includes procuring a permit amendment for the Improvement District No. 8 to implement a full-scale stannous chloride chemical treatment for the reduction of hexavalent chromium (Cr6). Stannous chloride is an approved drinking water additive that reduces Cr6 to trivalent chromium (Cr3) without the environmental impacts associated with coagulation filtration, ion exchange, and reverse osmosis technologies.



Project Objectives

The objective of this project is to procure a permit amendment for the implementation of a full-scale stannous chloride chemical treatment at the Improvement District No. 8.

Schedule

Start :	07/01/2022	Complete :	06/27/2025	Project Status :	Planning

Estimated Project Cost ($)	250,000
Other	250,000

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	50,000	100,000	100,000	0	0	0

Other Financial Impact	Potentially reduce treatment cost to comply with the anticipated chromium-6 maximum concentration level regulations.		
Operational Impact	CVWD will implement a water quality monitoring plan to document chromium-6 reduction.		
Discretionary	☑	Non-Discretionary	☐

IXTP 7991 Replacement Project

Project Number: IE2001

Project Description

This project includes the design and construction of a new treatment plant that utilizes single pass adsorption technology to treat the water from Well 7991. The existing ion exchange treatment plant is out of service since it has reached the end of its useful life. The treated water will serve customers in the communities of Mecca, North Shore, and Bombay Beach.



Project Objectives

The objective of this project is to replace the existing treatment process that is currently out of service with a robust media absorption arsenic treatment process to provide a more reliable water supply to customers in Mecca and North Shore.

Schedule

Start :	07/01/2019	Complete :	06/30/2025	Project Status :	Construction

Estimated Project Cost ($)	8,673,600
Capitalized Labor	232,800
Construction	7,303,300
Other	562,500
Planning/Design	575,000

Funding Source	%
Grant	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
423,600	500,000	5,000,000	2,750,000	0	0	0

Other Financial Impact	The current system is at capacity. As a result, the expansion of housing and commercial activity within Mecca and Area 23 is limited (no new water meters are currently being approved).		
Operational Impact	Without IXTP 7991, there is a single point of failure of water supply. This facility will provide a reliable source of water supply to the Mecca and North Shore area.		
Discretionary	☐	Non-Discretionary	☑

CANAL WATER


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CANAL WATER PROJECTS

Planned Canal Water Fund projects for fiscal year 2024 amount to slightly over $19.6 million. Funding of $1.8 million is provided by Pay-Go funds, and over $17.8 million in debt financing.

Capital Improvement Budget - Canal

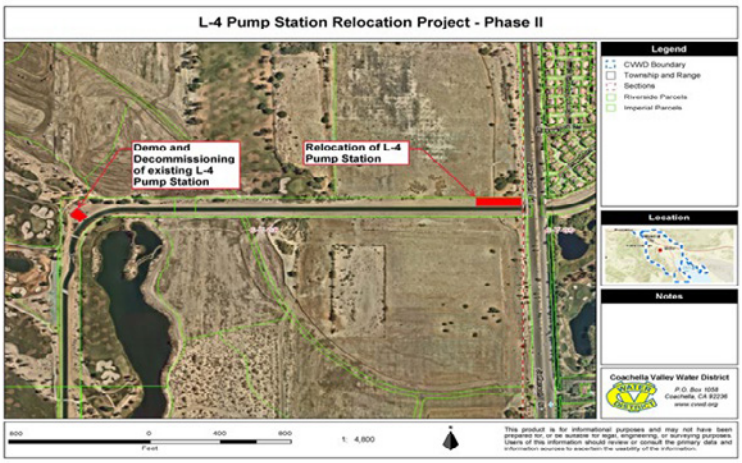
Project Name	Budget FY 2024	Planned FY 2025	FY 2026	FY 2027	FY 2028	Total 5-Year
Districtwide Project Allocation	$1,239,550	$942,250	$1,006,250	$706,250	$300,000	$4,194,300
Subtotal Districtwide Project Allocation	**$1,239,550**	**$942,250**	**$1,006,250**	**$706,250**	**$300,000**	**$4,194,300**
Canal						
L-4 Pump Station Relocation Phase 2	$600,000	$ -	$ -	$ -	$ -	$600,000.00
Mid-Canal Storage Project	6,925,000	-	-	-	-	6,925,000
Subtotal Canal	**$7,525,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$7,525,000**
Drainage						
Avenue 62 Drain Pipeline Replacement Project	$ -	$ -	$50,000	$2,984,000	$3,819,000	$6,853,000
Subtotal Drainage	**$ -**	**$ -**	**$50,000**	**$2,984,000**	**$3,819,000**	**$6,853,000**
Irrigation						
Irrigation Lateral 101.3 Replacement	$60,000	$5,983,000	$ -	$ -	$ -	$6,043,000
Irrigation Lateral 102.3 Replacement	-	-	-	60,000	3,000,000	3,060,000
Irrigation Lateral 119.64-4.6 Replacement, Phase 1	-	-	-	200,000	2,500,000	2,700,000
Irrigation Lateral 119.64-4.6 Replacement, Phase 2	-	-	-	-	300,000	300,000
Irrigation Lateral 119.64-7.5 Replacement, Phase 2	4,883,000	-	-	-	-	4,883,000
Irrigation Lateral 123.45-1.3 Division Box Replacement	-	150,000	3,561,000	-	-	3,711,000
Irrigation Lateral 123.45-1.3-2.2 Division Box Replacement	2,476,500	-	-	-	-	2,476,500
Irrigation Lateral 123.45-1.3-2.2 Replacement, Phase 2	3,384,000	-	-	-	-	3,384,000
Irrigation Lateral 123.45-1.3-2.8 Division Box Replacement	-	2,803,500	-	-	-	2,803,500
Irrigation Lateral 123.45-1.3-2.8 Replacement	60,000	3,902,000	3,902,000	-	-	7,864,000
Irrigation Lateral 123.45-1.3-3.2 RT Replacement	-	-	60,000	2,300,000	2,300,000	4,660,000
Irrigation Lateral 99.8-0.51-3.0 Replacement	-	290,000	4,400,000	4,400,000	-	9,090,000
Subtotal Irrigation	**$10,863,500**	**$13,128,500**	**$11,923,000**	**$6,960,000**	**$8,100,000**	**$50,975,000**
Total Canal	**$19,628,050**	**$14,070,750**	**$12,979,250**	**$10,650,250**	**$12,219,000**	**$69,547,300**

L-4 Pump Station Relocation Project, Phase 2

Project Number: C02101

Project Description

This project includes relocating and replacing the L-4 Pump Station, which will improve operational efficiency, add capacity for future customers, and improve accessibility for O&M. This project is under construction.



Project Objectives

The objective of this project is to replace the L-4 Pump Station on the Coachella Canal, which is failing and needs replacing. The new pump station will supply canal water to approximately seven La Quinta area golf courses and recreational parks, provide a substitute source for domestic water irrigation, and reduce pumping demands on the aquifer.

Schedule

Start:	07/01/2020	Complete:	06/30/2024	Project Status:	Construction

Estimated Project Cost ($)	6,509,300
Capitalized Labor	216,020
Construction	5,719,583
Other	10,000
Planning/Design	563,697

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
5,789,300	120,000	600,000	0	0	0	0

Other Financial Impact	None.		
Operational Impact	The replacement of the L-4 Pump Station will improve operational efficiency, add capacity for future customers and improve accessibility for O&M.		
Discretionary	☐	Non-Discretionary	☑

Mid-Canal Storage Project

Project Number: C02103

Project Description

This project includes an in-line 728 acre-foot reservoir between Check Structure 11 and 14 (Mile Post 54.6 and Mile Post 59.5) at the mid-canal. The reservoir will be formed by removing the existing embankment between the existing lined canal with the original earthen canal section to form a single wide trapezoidal section. The canal undergoes ongoing repairs of cracked concrete panels due to the low permeability of the heavy clay layer behind the liner, which also limits the operating conditions of the canal in this area.



Project Objectives

The objective of this project is to convert a portion of the Coachella Canal to an in-line storage reservoir and eliminate the recurring concrete panel repairs due to a heavy clay layer causing ongoing damage to the concrete lining. In addition, the reservoir will regulate the flows and provide improved control for flow/demand mismatches throughout the distribution system.

Schedule

Start :	07/01/2022	Complete :	06/30/2024	Project Status :	Construction

Estimated Project Cost ($)	7,975,100
Capitalized Labor	557,800
Construction	6,925,000
Other	25,956
Planning/Design	466,344

Funding Source	%
Loan	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
475,100	575,000	6,925,000	0	0	0	0

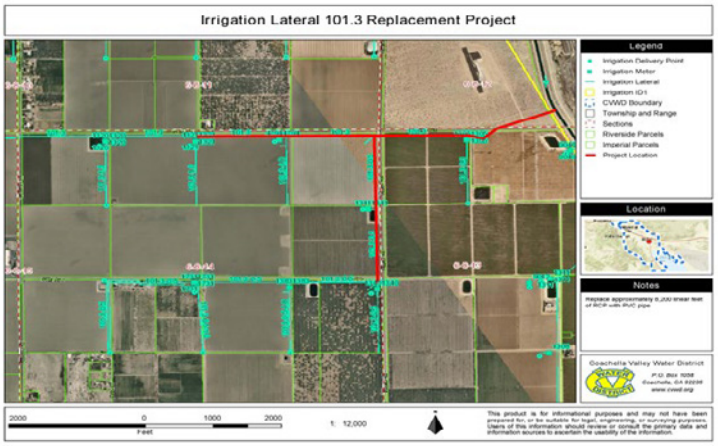
Other Financial Impact	This will be a cost-share project between CVWD, San Diego County Water Authority (SDCWA), and the San Luis Rey River Indian Water Authority (SLR). The costs will be allocated as follows: CVWD (26%), SDCWA (61%), and SLR (13%).		
Operational Impact	Water storage to help manage large, rapid delivery flow changes affecting Coachella Canal operations and eliminating recurring concrete panel repairs.		
Discretionary	☐	Non-Discretionary	☑

Irrigation Lateral 101.3 Replacement

Project Number: IR2105

Project Description

This project includes replacing approximately 8,200 linear feet of concrete pipe with polyvinyl chloride (PVC) pipe and replacing eight metered delivery points with in-line meters, isolation valves, and one master meter.



Project Objectives

The objective of this project is to replace infrastructure designated as extreme or high risk in accordance with the Irrigation Master Plan. The project will improve customer service and replace aging concrete pipelines while minimizing water lost through leakage. Irrigation Lateral 101.3 is an old, large-diameter concrete irrigation pipeline delivering water from the Coachella Canal to customers. The mile-long pipeline is part of a gravity-fed system interspersed with above-ground baffle stands roughly every quarter mile where the customers' sub-laterals connect. The aging gravity system is leaking water from the pipeline joints and the pipeline has experienced numerous leaks that impact the delivery of canal water to customers. The improvements will result in increased operational efficiency, water conservation, and improved customer service.

Schedule

Start:	07/01/2023	Complete:	06/30/2025	Project Status:	Design

Estimated Project Cost ($)	6,043,000
Capitalized Labor	228,560
Construction	5,724,440
Other	30,000
Planning/Design	60,000

Funding Source	%
Loan	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	0	60,000	5,983,000	0	0	0

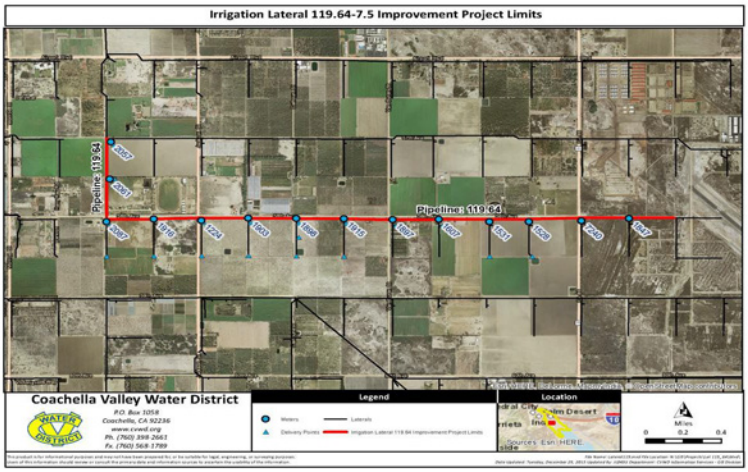
Other Financial Impact	Reduce operation and maintenance costs.		
Operational Impact	Reduce and prevent maintenance repairs.		
Discretionary	☐	Non-Discretionary	☑

Irrigation Lateral 119.64-7.5 Replacement, Phase 2

Project Number: IR2301

Project Description

This project includes replacing approximately 9,000 linear feet of concrete pipe with polyvinyl chloride (PVC) pipe, removing the existing baffle stand, meter and meter vault installation, telemetry and SCADA installation, street improvements, and a jack and boring operation.



Project Objectives

The objective of this project is to improve customer service and replace aging concrete pipelines while minimizing water loss through leakage. Irrigation Lateral 119.64.75 is an old, large-diameter concrete irrigation pipeline that delivers water from the Coachella Canal to customers. The approximately 2-mile-long pipeline is part of a gravity-fed system interspersed with above-ground baffle stands roughly every quarter mile where the customers' sub laterals connect. The aging gravity system is leaking water from the pipeline joints, surging water out of the baffle stands, and spilling excess water, impacting canal water delivery to customers. These improvements will increase operational efficiency, water conservation, and customer service. The irrigation lateral is located south of Avenue 58 between Oasis and Harrison Streets.

Schedule

Start:	07/01/2019	Complete:	06/30/2024	Project Status:	Construction

Estimated Project Cost ($)	4,933,000
Capitalized Labor	264,840
Construction	4,578,160
Other	10,000
Planning/Design	80,000

Funding Source	%
Loan	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	50,000	4,883,000	0	0	0	0

Other Financial Impact	None.		
Operational Impact	Reduce leakage, minimize mainline shutdowns, and improve customer service and reliability.		
Discretionary	☐	Non-Discretionary	☑

Irrigation Lateral 123.45-1.3-2.2 Division Box Replacement

Project Number: IR1901

Project Description

This project includes replacing the concrete division box that divides the flow between the transmission mainline and lateral pipelines. The Irrigation Lateral 123.45-1.3-2.2 Division Box is in a state of disrepair and structurally failing. The existing division box is over 65 years old, leaking, and has had numerous repairs. The replacement division box and a bypass system will be constructed without shutting down the canal water service. The site will incorporate new SCADA equipment and flow metering for additional flow data and monitoring. The project also involves acquiring additional easements.



Project Objectives

The objective of this project is to provide reliable canal water customer service into the future by replacing aged distribution system infrastructure that suffers from leaks and is in an overall state of disrepair. Additionally, it is to provide enhanced monitoring and remote operating capabilities. Lastly, it is to establish a structural design standard for future division box replacements, as this is the first replacement of its kind.

Schedule

Start:	07/01/2022	Complete:	06/30/2024	Project Status:	Construction

Estimated Project Cost ($)	2,880,800
Capitalized Labor	137,600
Construction	2,476,500
Other	25,000
Planning/Design	241,700

Funding Source	%
Loan	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
304,300	100,000	2,476,500	0	0	0	0

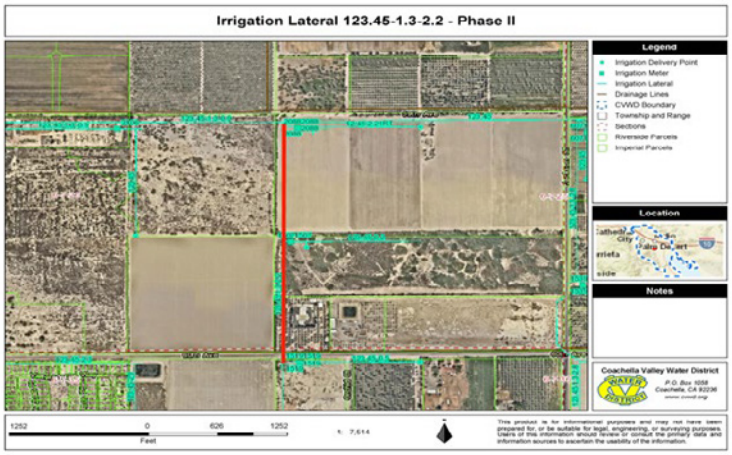
Other Financial Impact	Reduce operation and maintenance costs.		
Operational Impact	Replacing the structure will improve CVWD's ability to maximize water delivery and improve customer service.		
Discretionary	☐	Non-Discretionary	☑

Irrigation Lateral 123.45-1.3-2.2 Replacement, Phase 2

Project Number: IR2005

Project Description

This project includes replacing approximately 2,500 linear feet of 24-inch concrete pipe with polyvinyl chloride (PVC) pipe and removing the existing baffle stand, which will result in increased operational efficiency, water conservation, and improved customer service



Project Objectives

The objective of this project is to improve customer service and replace aging concrete pipelines while minimizing water lost through leakage. Irrigation Lateral 123.45-1.3-2.2 - Phase II is an old, large-diameter concrete irrigation pipeline delivering water from the Coachella Canal to customers. The 1/2 mile-long pipeline is part of a gravity-fed system interspersed with aboveground baffle stands roughly every quarter mile where the customers' sub-laterals connect. The aging gravity system is leaking water from the pipeline joints and the pipeline has experienced numerous leaks, which impact the delivery of canal water to customers.

Schedule

Start:	07/01/2022	Complete:	06/30/2024	Project Status:	Construction

Estimated Project Cost ($)	3,384,000
Capitalized Labor	133,500
Construction	3,173,600
Other	6,900
Planning/Design	70,000

Funding Source	%
Loan	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	0	3,384,000	0	0	0	0

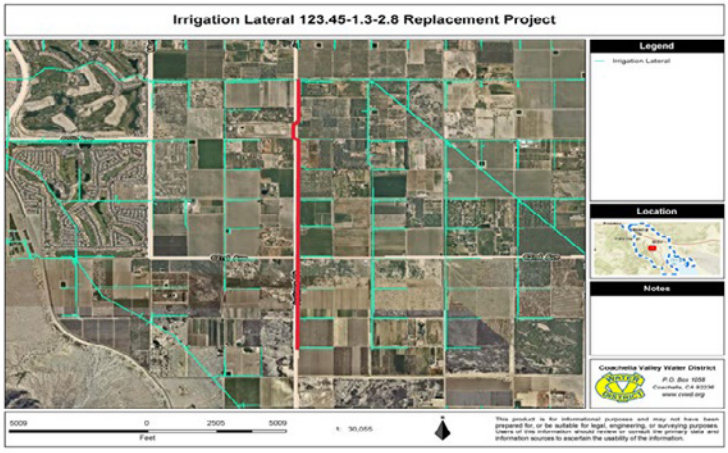
Other Financial Impact	Reduce operation and maintenance costs.		
Operational Impact	The replacement aims to greatly reduce leakage, minimize mainline shutdowns and improve customer service and reliability.		
Discretionary	☐	Non-Discretionary	☑

Irrigation Lateral 123.45-1.3-2.8 Replacement

Project Number: IR2103

Project Description

This project includes replacing approximately 7,010 linear feet of concrete pipe with polyvinyl chloride (PVC) pipe. The project is located east of Jackson Street between Avenue 59 and Avenue 62. The pipeline has experienced numerous leaks throughout, which have impacted canal water delivery.



Project Objectives

The objective of this project is to replace infrastructure designated as extreme or high risk in accordance with the Irrigation Master Plan. The project will improve customer service, conserve water, increase operational efficiency and replace aging concrete pipelines while minimizing water lost through leakage. Irrigation Lateral 123.45-1.3-2.8 is an old, large-diameter concrete irrigation pipeline delivering water from the Coachella Canal to customers. The mile-long pipeline is part of a gravity-fed system interspersed with aboveground baffle stands roughly every quarter mile where the customers' sub-laterals connect. The aging gravity system is leaking water from the pipeline joints and the pipeline has experienced numerous leaks that impact the delivery of canal water to customers.

Schedule

Start:	07/31/2023	Complete:	06/30/2026	Project Status:	Design

Estimated Project Cost ($)	7,864,000
Capitalized Labor	226,750
Construction	7,542,250
Other	35,000
Planning/Design	60,000

Funding Source	%
Loan	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	0	60,000	3,902,000	3,902,000	0	0

Other Financial Impact	Reduce operation and maintenance costs.		
Operational Impact	Reduce and prevent maintenance repairs.		
Discretionary	☐	Non-Discretionary	☑



Coachella Canal

SANITATION



SANITATION PROJECTS

Planned Sanitation Fund projects for fiscal year 2024 amount to over $34.6 million. Funding includes $11.3 million in Pay-Go funds, $5.7 million in grants, $4.9 million in Sanitation Capacity Charges, and $3.3 million in Supplemental Water Supply Charge fees, with the balance of $9.3 million funded with debt.

Capital Improvement Budget - Sanitation

Project Name	Budget FY 2024	Planned FY 2025	FY 2026	FY 2027	FY 2028	Total 5-Year
Districtwide Project Allocation	$841,520	$666,750	$683,750	$413,750	$170,000	$2,775,770
Subtotal Districtwide Project Allocation	**$841,520**	**$666,750**	**$683,750**	**$413,750**	**$170,000**	**$2,775,770**
WRP 4 Treatment						
Phase 1 Improvements - Nonpotable Water Upgrades, Project Specific CEQA	$300,000	$700,000	$50,000	$1,700,000	$3,250,000	$6,000,000
Plant Process Improvements, Phase 2	-	-	-	1,250,000	6,000,000	7,250,000
Subtotal WRP 4 Treatment	**$300,000**	**$700,000**	**$50,000**	**$2,950,000**	**$9,250,000**	**$13,250,000**
WRP 7 Treatment						
Aeration Improvements	$2,300,000	$4,950,000	$5,550,000	$ 4,750,000	$ -	$17,550,000
Phase 1 Recycled Water Expansion	1,250,000	4,250,000	2,250,000	7,550,000	7,000,000	22,300,000
Process Optimization	50,000	-	-	-	-	50,000
WRP 7 and WRP 10 Analyze Groundwater Replenishment Recycled Water Reuse Project (GRRP)	250,000	-	-	-	-	250,000
Subtotal WRP 7 Treatment	**$3,850,000**	**$9,200,000**	**$7,800,000**	**$12,300,000**	**$7,000,000**	**$40,150,000**
WRP 10 Treatment						
Headwork's Improvements (Storage and Controls)	$700,000	$3,500,000	$3,500,000	$8,350,000	$3,000,000	$19,050,000
M-1 Twin Backup Generators and Automatic Transfer Switch	-	-	175,000	-	-	175,000
Old Septage Receiving Station Upgrades	-	-	-	-	250,000	250,000
Phase 1 Expansion	-	-	-	-	750,000	750,000
Solids Handling Upgrades (convert aerobic digesters to holding tank, Rotomx mixing, odor control)	-	-	-	-	200,000	200,000
Process Optimization	150,000	25,000	25,000	25,000	25,000	250,000
T1 Filter Assessment and Repair	3,610,000	3,610,000	6,000,000	-	-	13,220,000
Subtotal WRP 10 Treatment	**$4,460,000**	**$7,135,000**	**$9,700,000**	**$8,375,000**	**$4,225,000**	**$33,895,000**

Capital Improvement Budget - Sanitation (continued)

Project Name	Budget FY 2024	Planned FY 2025	FY 2026	FY 2027	FY 2028	Total 5-Year
Collection						
Avenue 66 Trunk Sewer	$50,000	$25,000	$3,500,000	$2,150,000	$ -	$5,725,000
Burr Street Force Main	-	-	-	-	5,250,000	5,250,000
Lift Station 55-10 (Citrus) Abandonment	-	-	-	-	220,000	220,000
Lift Station 55-11 Capacity Upgrade (Mecca)	5,500,000	100,000	-	-	-	5,600,000
Lift Station 55-12 Electrical and Site Upgrade (Home Depot)	-	-	128,000	902,814	-	1,030,814
Lift Station 80-03 Upgrade (Cook Street)	1,200,000	150,000	2,500,000	450,000	-	4,300,000
Lift Station 80-13 Upgrade (Grand Champion)	-	-	-	112,000	1,034,657	1,146,657
Lift Station 80-16 Upgrade (Bob Hope Drive)	-	-	-	-	64,000	64,000
Lift Station 81-07 and Lift Station 55-12 Odor Control Upgrades	1,000,000	1,150,000		-	-	2,150,000
Lift Station Micro-RTU Replacement	150,000	-	-	-	-	150,000
Mecca Sewer and Manhole Replacement Rehabilitation	-	-	192,000	1,773,732	2,000,000	3,965,732
Monroe Street Trunk Sewer	50,000	-	-	-	-	50,000
Pierce Street Trunk Sewer	25,000	25,000	25,000	200,000	3,500,000	3,775,000
Section 31 and Vist Del Sol Sewer Pipeline	872,000	-	-	-	-	872,000
Sewer Manhole Rehabilitation Project - Palm Desert and Rancho Mirage	337,965	-	-	-	-	337,965
Sewer Pipeline Rehabilitation - Cedar Crest	-	36,000	771,106	-	-	807,106
Sewer Pipeline Relocation - Bob Hope Drive	-	-	96,000	367,715	-	463,715
Valley View Trunk Sewer	50,000	25,000	50,000	4,500,000	-	4,625,000
Subtotal Collection	**$9,234,965**	**$1,511,000**	**$7,262,106**	**$10,456,261**	**$12,068,657**	**$40,532,989**

Capital Improvement Budget - Sanitation (continued)

Project Name	Budget FY 2024	Planned FY 2025	FY 2026	FY 2027	FY 2028	Total 5-Year
Nonpotable Water Pipeline Connection						
Annenberg (aka Sunnylands) Golf Club Connection	$200,000	$400,000	$200,000	$ -	$ -	$800,000
Blended Water System Pump Stations	-	500,000	300,000	25,000	3,000,000	3,825,000
Canal Customer NPW Conversion, Phase 1 and Phase 2	-				1,150,000	1,150,000
Desert IslandCountry Club (aka The S) Connection	25,000	550,000	435,000	-	-	1,010,000
Emerald Desert Country Club Connection	50,000	500,000	-	-	-	550,000
Existing Low Pressure NPW Customer Connections Improvements	250,000	600,000	-	-	-	850,000
Forest Lawn NPW Connection	-	-	-	100,000	50,000	150,000
Fiscal Year 2020 -2021 Nonpotable Water (NPW) Offsite Pipeline Projects	6,000,000	8,600,000	8,990,000	-	-	23,590,000
Indian Wells Tennis Garden	10,000	10,000	100,000	300,000	-	420,000
Jack Ivey Ranch NPW Connection	200,000	400,000	200,000	-	-	800,000
Marriott Desert Springs North Course Connection	50,000	50,000	250,000	-	-	350,000
Marriott Shadow Ridge Connection	500,000	3,000,000	3,500,000	-	-	7,000,000
Mission Hills Country Club Connection	-	100,000	150,000	25,000	2,000,000	2,275,000
Outdoor Resort RV Park Connection	-	-	-	100,000	50,000	150,000
Palm Royale Country Club	200,000	400,000	200,000	-	-	800,000
Rancho Mirage Country Club Connection	10,000	10,000	-	-	-	20,000
Shadow Hills High School NPW Connection	10,000	10,000	525,000	250,000	-	795,000
Shadow Hills North Golf Course	10,000	10,000	525,000	250,000	2,315,000	3,110,000
Southwest Community Church/ Gerald Ford School	200,000	400,000	200,000	-	-	800,000
Springs Country Club Connection	25,000	500,000	400,000	-	-	925,000
Suncrest Country Club Connection	200,000	400,000	200,000	-	-	800,000
T1 Pump Station Replacement	6,000,000	-	-	-	-	6,000,000
Talavera NPW Connection	25,000	550,000	220,000	-	-	795,000
Tamarisk Country Club Connection	200,000	400,000	200,000	-	-	800,000
The Eagle (Crystal Lagoon) NPW Connection	50,000	350,000	-	-	-	400,000
Tri-Palms Country Club NPW Connection	200,000	800,000	200,000	-	-	1,200,000
Westin Mission Hills Country Club Connection	-	100,000	150,000	25,000	1,600,000	1,875,000
WRP 10 Low Pressure Capacity Expansion	1,500,000	3,000,000	4,750,000	-	-	9,250,000
WRP 10 NPW Regional Storage Facility	-	-	-	200,000	4,450,000	4,650,000
Young's Farmland & Garden Fellowship NPW Connection	60,000	700,000	-	-	-	760,000
Subtotal Nonpotable Water Pipeline Connection	**$15,975,000**	**$22,340,000**	**$21,695,000**	**$1,275,000**	**$14,615,000**	**$75,900,000**
Total Sanitation	**$34,661,485**	**$41,552,750**	**$47,190,856**	**$35,770,011**	**$47,328,657**	**$206,503,759**

WRP 4 Phase I Improvements - Nonpotable Water Upgrades, Project Specific CEQA

Project Number: WR4016

Project Description

This project includes designing and constructing a new recycled water treatment system at WRP 4. The project includes filters, ultraviolet disinfection, an effluent pump station, storage ponds, an electrical building, site improvements, and non-potable water (NPW) distribution piping.



Project Objectives

The objective of this project is to supply East Valley demand with nonpotable water from WRP 4 to support the groundwater substitution program, an element of implementing the Alternative Plan Update to satisfy CVWD's Groundwater Sustainability Agency obligations. In addition, the project will mitigate costs associated with potential advanced treatment of discharges to the Coachella Valley Stormwater Channel.

Schedule

Start:	07/01/2019	Complete:	06/28/2030	Project Status:	Design

Estimated Project Cost ($)	20,131,067
Capitalized Labor	682,376
Construction	17,147,391
Other	55,300
Planning/Design	2,246,000

Funding Source	%
Pay-as-you-go	60
SCC Treatment	40

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
881,067	900,000	300,000	700,000	50,000	1,700,000	3,250,000

Other Financial Impact	Potential to mitigate costs associated with potential advanced treatment facilities for discharges to the Coachella Valley Stormwater Channel. Project construction is planned beyond FY 2028.		
Operational Impact	Increased operational costs, including labor, chemicals, and electricity.		
Discretionary	☐	Non-Discretionary	☑

WRP 7 Aeration Improvements

Project Number: WR7020

Project Description

This project includes design and construction of new blowers and a new aeration building at WRP 7. The project also includes replacement of RAS/WAS pumps, electrical and instrumentation control equipment. The project will maximize treatment capacity, improve process efficiency, increase redundancy, and provide additional capacity for growth. WRP 7's aeration system has reached capacity and is nearing the end of its useful life.



Project Objectives

The objective of this project is to improve the reliability of the treatment process, increase efficiency and reliability of aeration system (blowers), increase operational flexibility, and prepare for possible regulatory changes at WRP 7.

Schedule

Start:	11/18/2019	Complete:	06/30/2027	Project Status:	Design

Estimated Project Cost ($)	19,339,965
Capitalized Labor	1,062,690
Construction	16,677,275
Planning/Design	1,600,000

Funding Source	%
Pay-as-you-go	50
SCC Treatment	50

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
1,159,965	630,000	2,300,000	4,950,000	5,550,000	4,750,000	0

Other Financial Impact	Additional labor and electricity cost to operate and maintain the equipment.		
Operational Impact	The implementation of the new process, equipment, and upgrades will allow CVWD to reliably treat projected influent flows and will allow process flexibility to prepare WRP 7 for potentially stricter discharge limits including nutrient removal.		
Discretionary	☐	Non-Discretionary	☑

WRP 7 Phase 1 Recycled Water Expansion

Project Number: WR7022

Project Description

The project includes expanding the tertiary system (recycled water) at WRP 7. The project will increase the tertiary capacity by 2.5 million gallons per day (MGD) for a total capacity of 5.0 MGD, add a 5 million-gallon tertiary water storage bladder, repurpose a land disposal pond to accept secondary effluent for retreatment and upgrade the capacity of the milepost (MP) 113.2-canal water pump station.



Project Objectives

The objective of this project is to increase the use of recycled water in the WRP 7 service area to meet water management goals for source substitution, reduce land disposal of secondary effluent, improve plant process performance by reducing fluctuations in daily flow by capturing secondary effluent and reintroducing it to the plant process, and upgrade the MP 113.2 canal water pump station to improve the delivery of canal water to WRP 7.

Schedule

Start:	07/01/2020	Complete:	06/28/2030	Project Status:	Design

Estimated Project Cost ($)	36,165,267
Capitalized Labor	917,120
Construction	31,198,147
Other	50,000
Planning/Design	4,000,000

Funding Source	%
Pay-as-you-go	25
Loan	60
Grant	15

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
615,267	1,250,000	1,250,000	4,250,000	2,250,000	7,550,000	7,000,000

Other Financial Impact	Increase in chemical, energy, and labor costs. Project construction is planned beyond FY 2028.		
Operational Impact	Improved performance at WRP 7.		
Discretionary	☐	Non-Discretionary	☑

WRP 7 Process Optimization

Project Number: WR7021

Project Description

This project includes an energy efficiency and optimization study to identify energy-saving measures at WRP 7 supporting the WRP Energy Optimization strategic initiative.



Project Objectives

The objective of this project is to evaluate opportunities for energy cost savings through an energy efficiency site survey.

Schedule

Start:	03/16/2020	Complete:	06/24/2024	Project Status:	Planning

Estimated Project Cost ($)	50,000
Capitalized Labor	2,816
Planning/Design	47,184

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	0	50,000	0	0	0	0

Other Financial Impact	Reduced energy costs through measures identified.		
Operational Impact	Increased process control through measures identified.		
Discretionary	☑	Non-Discretionary	☐

Analyze Groundwater Replenishment Recycled Water Reuse Project (GRRP)

Project Number: WR7023

Project Description

This project will include the feasibility evaluation for using recycled water/canal water replenishment at WRP 7 and WRP 10 and define the costs, permitting, and implementation strategy.



Project Objectives

The objective of this project is to evaluate the feasibility of implementing a groundwater reuse and recharge project in lieu of expanding CVWD's NPW system.

Schedule

Start:	01/09/2023	Complete:	06/28/2024	Project Status:	Planning

Estimated Project Cost ($)	250,000
Capitalized Labor	7,500
Planning/Design	242,500

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	0	250,000	0	0	0	0

Other Financial Impact	Successful implementation of Groundwater replenishment will maximize the use of canal water and result in cost savings compared with the expansion of the NPW system.		
Operational Impact	$50,000 per year additional operations cost related to maintenance of pumps and ponds for groundwater replenishment.		
Discretionary	☑	Non-Discretionary	☐

WRP 10 Headworks Improvements (Storage and Controls)

Project Number: WR1042

Project Description

The project includes upgrading the Headworks Facility at WRP 10. The project will design and construct preliminary treatment systems, which include site work, influent pumps, vortex grit chamber, influent equalization basin, and odor control. The project will maximize treatment capacity and process performance while increasing redundancy/reliability.



Project Objectives

The project's objective is to increase capacity at the WRP 10 Headworks Facility, increase process control, improve the reliability of the treatment process, and improve the ability of the plant to treat sewage.

Schedule

Start:	07/01/2020	Complete:	06/30/2028	Project Status:	Design

Estimated Project Cost ($)	20,117,890
Capitalized Labor	248,276
Construction	17,669,614
Planning/Design	2,200,000

Funding Source	%
Pay-as-you-go	50
SCC Treatment	50

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
67,890	1,000,000	700,000	3,500,000	3,500,000	8,350,000	3,000,000

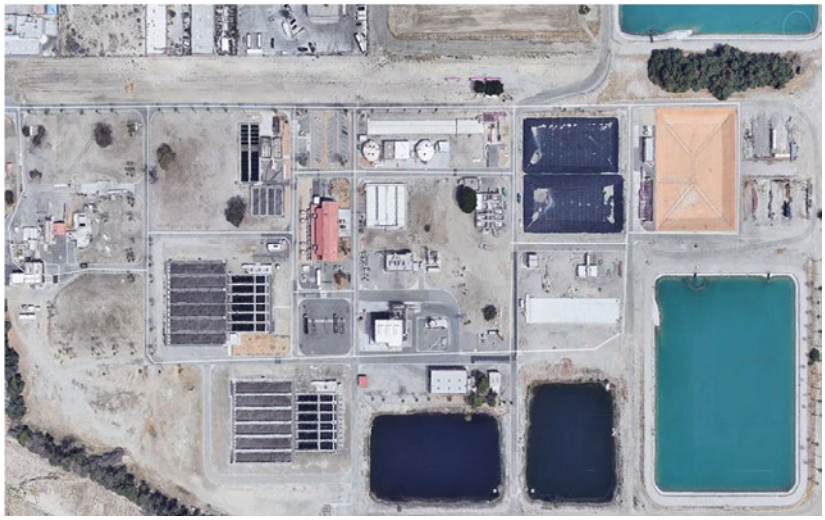
Other Financial Impact	The financial impact is expected to improve through more efficient treatment that will allow for reduced energy costs.		
Operational Impact	The operational impact will be improved through less pump maintenance and failures and improved process performance.		
Discretionary	☐	Non-Discretionary	☑

WRP 10 Process Optimization

Project Number: WR1036

Project Description

This project includes implementing wastewater treatment process recommendations by the Energy Coalition for WRP 10. The optimization project will reduce annual electrical usage by implementing control measures to provide more efficient process operation and capacity for additional growth.



Project Objectives

The objective of this project is to install equipment to increase energy efficiency by replacing lighting with LED lighting, optimize control of the activated sludge process by installing ammonia and RAS/WAS monitoring equipment, and refurbish T2 pumps to increase overall pumping efficiency.

Schedule

Start:	07/01/2019	Complete:	06/26/2028	Project Status:	Construction

Estimated Project Cost ($)	1,817,635
Capitalized Labor	141,000
Construction	1,676,635

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
1,347,635	220,000	150,000	25,000	25,000	25,000	25,000

Other Financial Impact	Reduce energy costs.		
Operational Impact	Improve process performance.		
Discretionary	☐	Non-Discretionary	☑

WRP 10 T1 Filter Assessment and Repair

Project Number: WR1043

Project Description

This project will design and construct a replacement of the tertiary multimedia filters with cloth disk filters that serve the T1 (Non-Potable Water) Pump Station located at WRP 10. The project includes the replacement of backwash pumps and automated valves, and chemical dosing to optimize operation and energy consumption.



Project Objectives

The objective of this project is to replace aging multimedia filters with cloth disk filters that are more energy efficient, increase operational reliability, and increase filtration capacity from 10 million gallons per day (MGD) to 15 MGD.

Schedule

Start:	01/26/2021	Complete:	06/30/2026	Project Status:	Design

Estimated Project Cost ($)	14,182,975
Capitalized Labor	372,520
Construction	13,130,737
Planning/Design	679,718

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
208,975	754,000	3,610,000	3,610,000	6,000,000	0	0

Other Financial Impact	This project will reduce O&M costs due to the high frequency of failure of the existing multimedia filters and the difficulty of obtaining repair parts. The replacement with cloth disk filters will add energy-efficient backwash pump controls that will reduce energy consumption.		
Operational Impact	This project must ensure WRP 10 has adequate tertiary treatment capacity to process high-season plant influent flows to meet permit requirements.		
Discretionary	☐	Non-Discretionary	☑

Avenue 66 Trunk Sewer

Project Number: SA2003

Project Description

This project includes constructing a new sewer pipeline along Avenue 66 from Polk Street to Harrison Street and along Harrison Street from Echols Road to Avenue 66. The project will utilize grant funding for the septic-to-sewer conversion and expand CVWD's sanitation service area. New sewer service is also planned along Martinez Road.



Project Objectives

The objective of this project is to use 100% grant funding for septic-to-sewer conversions within a disadvantaged community.

Schedule

Start:	07/01/2019	Complete:	06/30/2027	Project Status:	Planning

Estimated Project Cost ($)	5,792,123
Capitalized Labor	146,560
Construction	5,289,123
Other	6,440
Planning/Design	350,000

Funding Source	%
Grant	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
42,123	25,000	50,000	25,000	3,500,000	2,150,000	0

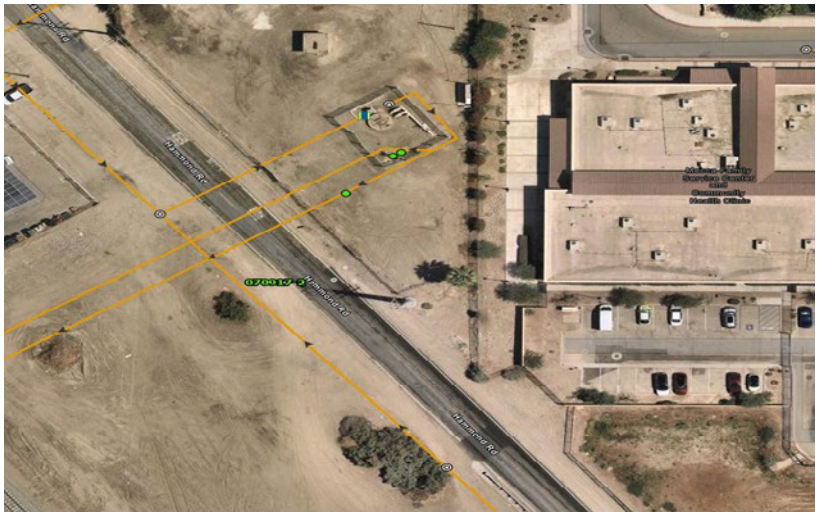
Other Financial Impact	The project will provide reliable centralized sewer service to the disadvantaged community and expand CVWD's sewer service through available grant funding.		
Operational Impact	$10,000 per year for additional O&M costs for the pipeline and pump station maintenance.		
Discretionary	☑	Non-Discretionary	☐

Lift Station 55-11 Capacity Upgrade

Project Number: LS2202

Project Description

This project includes upgrading the existing Lift Station 55-11 within the community of Mecca by installing a new 12-foot diameter wet well, pumps, piping, electrical cabinets, building, generator, controls, and perimeter block wall. The lift station improvements will accommodate growth in the community of Mecca.



Project Objectives

The objective of this project is to increase lift station capacity, provide redundancy, and provide better odor control.

Schedule

Start:	07/01/2021	Complete:	06/23/2025	Project Status:	Design

Estimated Project Cost ($)	6,390,117
Capitalized Labor	189,900
Construction	5,200,217
Planning/Design	1,000,000

Funding Source	%
Grant	50
SCC Collection	50

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
40,117	750,000	5,500,000	100,000	0	0	0

Other Financial Impact	Additional electrical energy will be consumed, and additional time will be used to operate and maintain the new equipment annually.		
Operational Impact	The project will maximize collection capacity and increase redundancy/reliability. The improvements will eliminate the potential for Sanitary System Overflows (SSOs), which may result in Clean Water Act fines of up to $25,000 per day.		
Discretionary	☐	Non-Discretionary	☑

Lift Station 80-03 Upgrade (Cook Street)

Project Number: LS2101

Project Description

This project includes upgrading the existing Lift Station 80-03 within Palm Desert through the installation of a new 12-foot diameter wet well, pumps, piping, electrical cabinets, generator, controls, perimeter block wall and other site features. The lift station improvements will accommodate growth in the city of Palm Desert per the Sewer Collection System Master Plan.



Project Objectives

The objective of this project is to increase lift station capacity and provide redundancy.

Schedule

Start:	07/01/2020	Complete:	06/30/2027	Project Status:	Planning

Estimated Project Cost ($)	4,945,967
Capitalized Labor	259,740
Construction	3,809,766
Other	76,461
Planning/Design	800,000

Funding Source	%
SCC Collection	50
Pay-as-you-go	50

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
45,967	600,000	1,200,000	150,000	2,500,000	450,000	0

Other Financial Impact	Additional electrical energy will be consumed and additional time to operate and maintain the new equipment on an annual basis.		
Operational Impact	The project will maximize collection capacity and increase redundancy/reliability. The improvements will eliminate the potential for Sanitary System Overflows (SSOs), which may result in Clean Water Act fines up to $25,000 per day.		
Discretionary	☐	Non-Discretionary	☑

Lift Station 81-07 and Lift Station 55-12 Odor Control Upgrades

Project Number: LS2301

Project Description

This project includes replacing existing corroded odor control scrubbers at Lift Station 81-07 located in the city of Indio and Lift Station 55-12 located in the city of La Quinta with a new wood chip beds or dry media scrubbers.



Project Objectives

The objective of this project is to replace the existing corroded chemical scrubbers at LS 81-07 and LS 55-12 with wood chip beds or dry media scrubbers and provide redundancy.

Schedule

Start:	07/01/2022	Complete:	06/23/2025	Project Status:	Planning

Estimated Project Cost ($)	2,500,000
Capitalized Labor	73,300
Construction	2,032,100
Other	22,000
Planning/Design	372,600

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	350,000	1,000,000	1,150,000	0	0	0

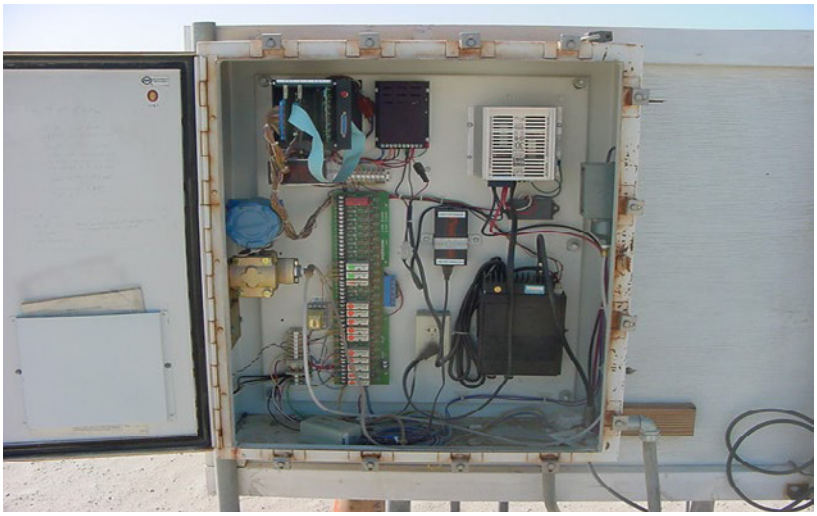
Other Financial Impact	The project will reduce maintenance costs and will mitigate potential odor complaints and AQMD permit violations.		
Operational Impact	The project will reduce maintenance calls to the lift station through increased reliability from redundant Odor Control System.		
Discretionary	☑	Non-Discretionary	☐

Lift Station Micro-RTU Replacement

Project Number: LS2201

Project Description

This project includes the replacement of obsolete micro-RTUs with programmable logic controllers (PLC) and all related appurtenances. It also includes upgrades to the individual communication systems as needed, developing and uploading the new PLC program, and integrating each site to CVWD's SCADA system at 13 existing lift stations.



Project Objectives

The objective of this project is to replace obsolete equipment with reliable programmable logic controllers to provide a more reliable and robust communications system integrated into the new SCADA system.

Schedule

Start:	07/01/2022	Complete:	06/30/2024	Project Status:	Planning

Estimated Project Cost ($)	425,000
Capitalized Labor	89,000
Construction	336,000

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	275,000	150,000	0	0	0	0

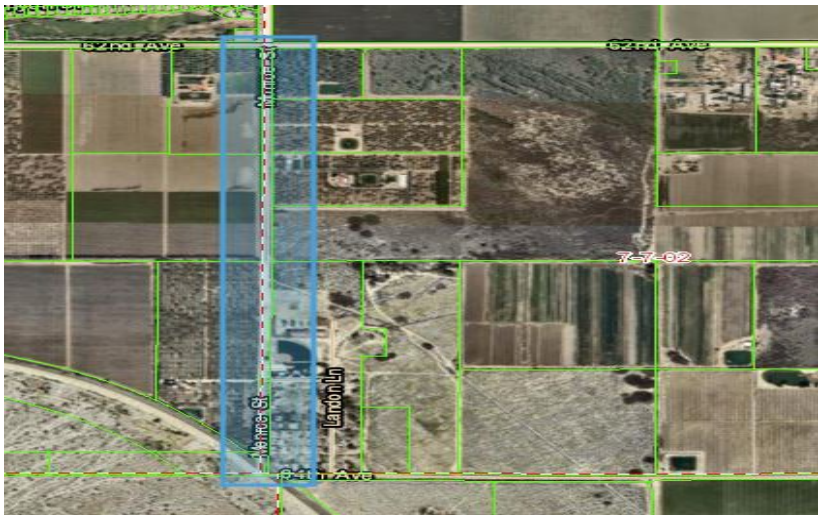
Other Financial Impact	None.		
Operational Impact	CVWD will provide routine maintenance of equipment.		
Discretionary	☑	Non-Discretionary	☐

Monroe Street Trunk Sewer

Project Number: SA1905

Project Description

This project includes the construction of a new sewer pipeline along Monroe Street from Avenue 62 to Avenue 64. This septic-to-sewer conversion project will expand CVWD's sanitation service area using grant funding.



Project Objectives

The objective of the project is to use 100% grant funding for septic-to-sewer conversion within a disadvantaged community (DAC).

Schedule

Start:	07/01/2019	Complete:	06/24/2024	Project Status:	Design

Estimated Project Cost ($)	2,475,184
Capitalized Labor	149,480
Construction	2,043,824
Other	1,880
Planning/Design	280,000

Funding Source	%
Grant	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
69,184	2,356,000	50,000	0	0	0	0

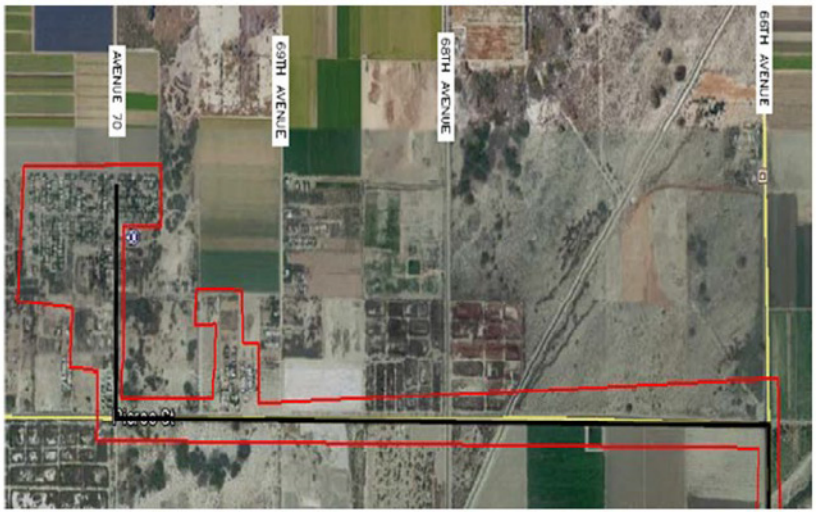
Other Financial Impact	The project will provide reliable centralized sewer service to the DAC and expand CVWD's sewer service through available grant funding.		
Operational Impact	$10,000 per year for additional O&M costs for the pipeline and pump station maintenance.		
Discretionary	☑	Non-Discretionary	☐

Pierce Street Trunk Sewer

Project Number: SA2002

Project Description

This project includes grant funding support and preliminary engineering for a new sewer pipeline along Pierce Street between Avenue 66 and Avenue 70. This is a septic-to-sewer conversion project to expand CVWD's service area and use available grant funding opportunities.



Project Objectives

The objective of this project is to use 100% grant funding for septic to sewer conversion within the disadvantaged community (DAC). The project will result in significant cost savings for sanitation services for the community.

Schedule

Start:	07/12/2021	Complete:	06/30/2028	Project Status:	Planning

Estimated Project Cost ($)	3,775,000
Capitalized Labor	83,120
Construction	3,460,000
Other	1,880
Planning/Design	230,000

Funding Source	%
Grant	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	0	25,000	25,000	25,000	200,000	3,500,000

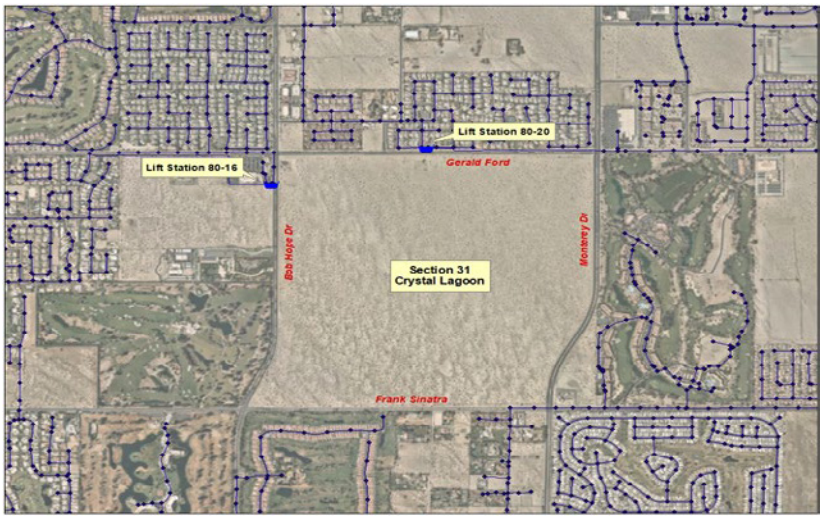
Other Financial Impact	The project will provide reliable centralized sewer service to the DAC and expand CVWD's sewer service through available grant funding.		
Operational Impact	$10,000 per year for additional O&M costs for the pipeline and pump station maintenance.		
Discretionary	☑	Non-Discretionary	☐

Section 31 and Vista Del Sol Sewer Pipeline

Project Number: SA2201

Project Description

The project includes upsizing developer-installed on-site pipelines as part of Phase I of the new Section 31 Crystal Lagoon Project located between Monterey Avenue and Bob Hope Drive on Frank Sinatra Drive. Upsizing the pipelines will support the abandonment of Lift Stations 80-16 and 80-20. The project includes upsizing pipelines from a range of 8-inch diameter to 15-inch diameter required for the development to 10-inch diameter to 18-inch diameter to provide additional capacity needed to support the tributary areas of the lift stations.



Project Objectives

The objectives of this project are to abandon Lift Stations 80-16 and 80-20 by upsizing new on-site gravity pipelines.

Schedule

Start:	07/01/2021	Complete:	06/28/2024	Project Status:	Planning

Estimated Project Cost ($)	897,000
Construction	25,000
Planning/Design	872,000

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	25,000	872,000	0	0	0	0

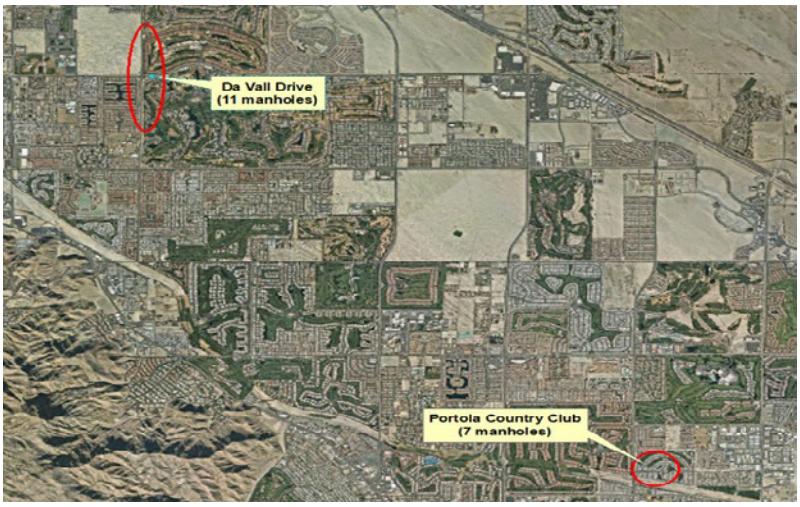
Other Financial Impact	Eliminate energy and labor costs required to operate and maintain Lift Stations 80-16 and 80-20.		
Operational Impact	Reduced operations and maintenance at Lift Stations 80-16 and 80-20.		
Discretionary	☑	Non-Discretionary	☐

Sewer Manhole Rehabilitation - Palm Desert and Rancho Mirage

Project Number: SA2301

Project Description

This project includes replacing 18 deteriorating sewer manholes within Palm Desert and Rancho Mirage. The deteriorated manholes require complete removal and replacement due to the deterioration.



Project Objectives

The objective of this project is to increase the service reliability of CVWD's sanitation collection system in the cities of Palm Desert and Rancho Mirage to reduce the potential of sanitary system overflows (SSOs) and regulatory fines by replacing these manholes.

Schedule

Start:	07/01/2022	Complete:	06/24/2024	Project Status:	Construction

Estimated Project Cost ($)	675,930
Capitalized Labor	35,935
Construction	541,714
Other	23,281
Planning/Design	75,000

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	337,965	337,965	0	0	0	0

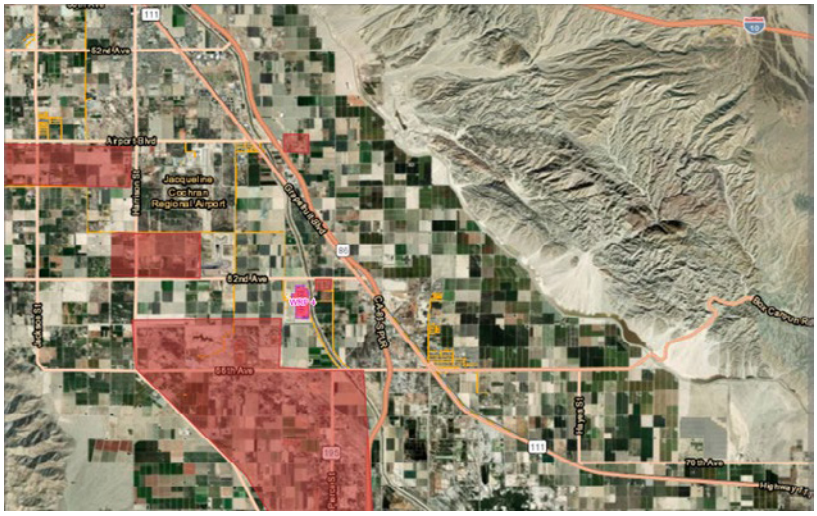
Other Financial Impact	The project will reduce O&M costs associated with frequent manhole cleaning and CCTV assessment.		
Operational Impact	The project will increase the reliability of service and eliminate the potential for Sanitary Sewer Overflows (SSOs), which may result in Clean Water Act fines of up to $25,000 per day.		
Discretionary	☑	Non-Discretionary	☐

Valley View Trunk Sewer

Project Number: SA2006

Project Description

This project includes grant funding support, preliminary engineering, plan design, and the environmental report for a new sewer pipeline within disadvantaged communities (DAC). The Sanitation Master Plan has developed 13 new projects to provide service to disadvantaged communities. The sewer planning efforts are consistent with the East Coachella Valley Water Supply plans. The DAC Task Force will develop a priority listing of sewer projects from these planning efforts. This is a septic-to-sewer conversion project to expand CVWD's service area and utilize available grant funding opportunities.



Project Objectives

The objective of this project is to use 100% grant funding for septic-to-sewer conversion within disadvantaged communities. The project will result in significant cost savings for sanitation services for the communities.

Schedule

Start:	07/01/2019	Complete:	06/30/2026	Project Status:	Design

Estimated Project Cost ($)	4,765,915
Capitalized Labor	70,000
Construction	4,380,915
Other	15,000
Planning/Design	300,000

Funding Source	%
Grant	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
115,915	25,000	50,000	25,000	50,000	4,500,000	0

Other Financial Impact	The project will provide reliable, centralized service to disadvantaged communities.		
Operational Impact	$10,000 per year for additional O&M costs for the pipeline and pump station maintenance.		
Discretionary	☑	Non-Discretionary	☐

Annenberg (aka Sunnylands) Golf Club NPW Connection

Project Number: NP2004

Project Description

This project includes designing and constructing a nonpotable water (NPW) pipeline, meter connection, and pump capacity upgrade from WRP 10's NPW distribution system to Annenberg (aka Sunnylands) Golf Club. The NPW connection will allow the golf course to reduce its reliance on groundwater for turf irrigation purposes and help CVWD achieve groundwater sustainability goals.



Project Objectives

The objective of this project is to expand CVWD's NPW service area and reduce reliance on groundwater for turf irrigation. Connecting this project to the NPW delivery system will save approximately 1,262 acre-feet of groundwater annually.

Schedule

Start:	01/01/2019	Complete:	06/30/2026	Project Status:	Planning

Estimated Project Cost ($)	1,399,845
Capitalized Labor	204,680
Construction	938,165
Other	10,000
Planning/Design	247,000

Funding Source	%
Pay-as-you-go	83
SWSC	17

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
199,845	400,000	200,000	400,000	200,000	0	0

Other Financial Impact	$5,000 per year for additional electricity and material cost to maintain the new meter vault and monitoring equipment.		
Operational Impact	$5,000 per year for labor related to maintenance/calibration of control valve and meter.		
Discretionary	☑	Non-Discretionary	☐

Desert Island Country Club (aka The S) NPW Connection

Project Number: NP2005

Project Description

This project includes designing and constructing a nonpotable water (NPW) pipeline, meter connection, and pump capacity upgrade from WRP 10's NPW distribution system to Desert Island Country Club. The connection will allow the golf course to reduce its reliance on groundwater for turf irrigation purposes and help CVWD achieve groundwater sustainability goals.



Project Objectives

The objective of this project is to expand CVWD's NPW service area and reduce reliance on groundwater for turf irrigation. Connecting this project to the NPW delivery system will save approximately 979 acre-feet of groundwater annually.

Schedule

Start:	07/01/2020	Complete:	06/30/2026	Project Status:	Planning

Estimated Project Cost ($)	1,110,000
Capitalized Labor	160,620
Construction	614,380
Other	85,000
Planning/Design	250,000

Funding Source	%
Pay-as-you-go	80
Loan	15
Grant	5

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	100,000	25,000	550,000	435,000	0	0

Other Financial Impact	$5,000 per year for additional electricity and material cost to maintain the new meter vault and monitoring equipment.		
Operational Impact	$5,000 per year for labor related to maintenance/calibration of control valve and meter.		
Discretionary	☑	Non-Discretionary	☐

Emerald Desert RV Resort NPW Connection

Project Number: NP1602

Project Description

This project includes designing and constructing a nonpotable water (NPW) pipeline and meter connection from WRP 10's NPW distribution system to Emerald Desert RV Resort. The connection will allow the resort to reduce its reliance on groundwater for turf irrigation purposes and help CVWD achieve groundwater sustainability goals.



Project Objectives

The objective of this project is to expand CVWD's NPW service area and reduce reliance on groundwater for turf irrigation. Connecting this project to the NPW delivery system will save approximately 188 acre-feet of groundwater annually.

Schedule

Start:	01/01/2025	Complete:	06/30/2025	Project Status:	Construction

Estimated Project Cost ($)	802,998
Capitalized Labor	85,000
Construction	500,000
Planning/Design	217,998

Funding Source	%
Pay-as-you-go	25
Loan	60
Grant	15

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
202,998	50,000	50,000	500,000	0	0	0

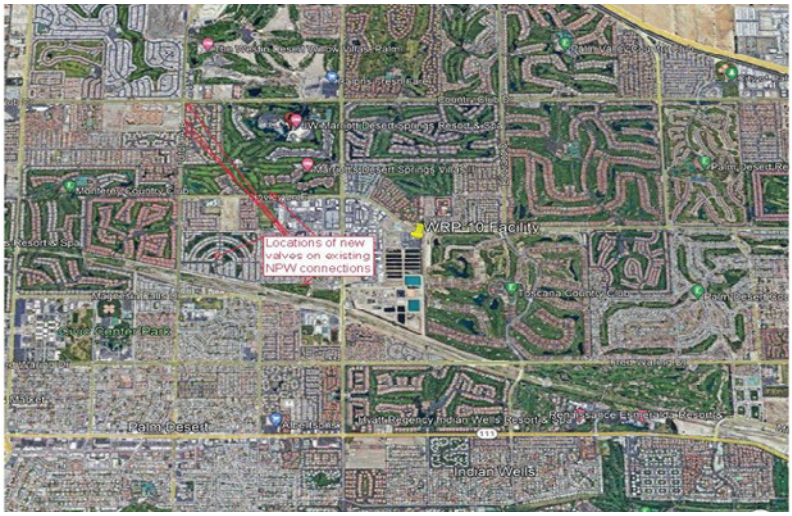
Other Financial Impact	$5,000 per year for additional electricity and material cost to maintain the new meter vault and monitoring equipment.		
Operational Impact	$5,000 per year for labor related to maintenance/calibration of control valve and meter.		
Discretionary	☐	Non-Discretionary	☑

Existing Low-Pressure NPW Customer Connection Improvements

Project Number: NP2302

Project Description

This project includes designing and constructing new flow and pressure control valves (Cla-Val valves) on seven existing low-pressure NPW connections. These seven connections do not currently have a flow control valve. Flow control will be required on all low-pressure connections to accommodate the farthest customers on the low-pressure system along Frank Sinatra Drive and to serve north valley NPW connections.



Project Objectives

The objective of this project is to expand CVWD's NPW service area and reduce reliance on groundwater for turf irrigation. Installing flow and pressure control valves on existing connections will allow the expansion of the NPW system to Frank Sinatra and north valley customers.

Schedule

Start:	01/05/2023	Complete:	06/30/2025	Project Status:	Design

Estimated Project Cost ($)	850,000
Capitalized Labor	66,200
Construction	583,800
Planning/Design	200,000

Funding Source	%
Pay-as-you-go	80
Loan	20

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	0	250,000	600,000	0	0	0

Other Financial Impact	$5,000 per year for additional electricity and material cost to maintain the new meter vault and monitoring equipment.		
Operational Impact	$5,000 per year for labor related to maintenance/calibration of control valve and meter.		
Discretionary	☑	Non-Discretionary	☐

Fiscal Year 2020-2021 Nonpotable Water (NPW) Off-Site Pipeline Projects

Project Number: NP2304

Project Description

This project includes the construction of offsite pipelines for connecting nine new customers, including Suncrest Country Club, Annenberg Estate, Rancho Mirage Country Club, Tamarisk Country Club, Jack Ivey Ranch, Tri Palm Country Club, Southwest Church, Palm Royale Club, and Indian Wells Tennis Garden to WRP-10 NPW system. The NPW connection will allow the golf course to reduce its reliance on groundwater for turf irrigation purposes and help CVWD achieve groundwater sustainability goals.



Project Objectives

The objective of this project is to expand CVWD's NPW service area and reduce reliance on groundwater for turf irrigation. Connecting this project to the NPW delivery system will save approximately 5,200 acre-feet of groundwater annually.

Schedule

Start:	01/01/2019	Complete:	06/30/2025	Project Status:	Planning

Estimated Project Cost ($)	23,590,000
Capitalized Labor	525,000
Construction	22,265,000
Planning/Design	800,000

Funding Source	%
Grant	20
Loan	40
SWSC	40

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	0	6,000,000	8,600,000	8,990,000	0	0

Other Financial Impact	$5,000 per year for additional electricity and material cost to maintain the new meter vault and monitoring equipment.		
Operational Impact	$5,000 per year for labor related to maintenance/calibration of control valve and meter.		
Discretionary	☑	Non-Discretionary	☐

Indian Wells Tennis Gardens NPW Connection

Project Number: NP2006

Project Description

This project includes designing and constructing a nonpotable water (NPW) pipeline and meter connection from the WRP 10 NPW distribution system to the Indian Wells Tennis Garden. The connection will allow the stadium complex to reduce its reliance on groundwater for turf irrigation purposes and help CVWD achieve groundwater sustainability goals.



Project Objectives

The objective of this project is to expand CVWD's NPW service area and reduce reliance on groundwater for turf irrigation. Connecting this project to the NPW delivery system will save approximately 359 acre-feet of groundwater annually.

Schedule

Start:	01/01/2019	Complete:	06/30/2027	Project Status:	Planning

Estimated Project Cost ($)	560,407
Capitalized Labor	122,082
Construction	228,325
Other	10,000
Planning/Design	200,000

Funding Source	%
Pay-as-you-go	83
SWSC	17

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
130,407	10,000	10,000	10,000	100,000	300,000	0

Other Financial Impact	$5,000 per year for additional electricity and material cost to maintain the new meter vault and monitoring equipment.		
Operational Impact	$5,000 per year for labor related to maintenance/calibration of control valve and meter.		
Discretionary	☑	Non-Discretionary	☐

Jack Ivey Ranch Country Club NPW Connection

Project Number: NP2007

Project Description

This project includes designing and constructing a nonpotable water (NPW) pipeline, meter connection, and pump capacity upgrade from WRP 10's NPW distribution system to Jack Ivey Ranch Country Club. The connection will allow the golf course to reduce its reliance on groundwater for turf irrigation purposes and help CVWD achieve groundwater sustainability goals.



Project Objectives

The objective of this project is to expand CVWD's nonpotable water (NPW) service area and reduce reliance on groundwater for turf irrigation. Connecting this project to the NPW delivery system will save approximately 339 acre-feet of groundwater annually.

Schedule

Start:	01/01/2020	Complete:	06/30/2026	Project Status:	Design

Estimated Project Cost ($)	1,087,115
Capitalized Labor	130,880
Construction	699,235
Other	10,000
Planning/Design	247,000

Funding Source	%
Pay-as-you-go	83
SWSC	17

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
187,115	100,000	200,000	400,000	200,000	0	0

Other Financial Impact	$5,000 per year for additional electricity and material cost to maintain the new meter vault and monitoring equipment.		
Operational Impact	$5,000 per year for labor related to maintenance/calibration of control valve and meter.		
Discretionary	☑	Non-Discretionary	☐

Marriott Desert Springs North Course NPW Connection

Project Number: NP1702

Project Description

This project includes designing and constructing a nonpotable water (NPW) pipeline and meter connection from WRP 10's NPW distribution system to the Marriott Desert Springs North Course. The connection will allow the golf course to reduce its reliance on groundwater for turf irrigation purposes and help CVWD achieve groundwater sustainability goals.



Project Objectives

The objective of this project is to expand CVWD's NPW service area and reduce reliance on groundwater for turf irrigation. Connecting this project to the NPW delivery system will save approximately 692 acre-feet of groundwater annually.

Schedule

Start:	06/14/2016	Complete:	06/28/2030	Project Status:	Design

Estimated Project Cost ($)	5,552,653
Capitalized Labor	201,658
Construction	4,763,840
Other	96,002
Planning/Design	491,153

Funding Source	%
Pay-as-you-go	25
Loan	60
Grant	15

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
52,653	100,000	50,000	50,000	250,000	0	0

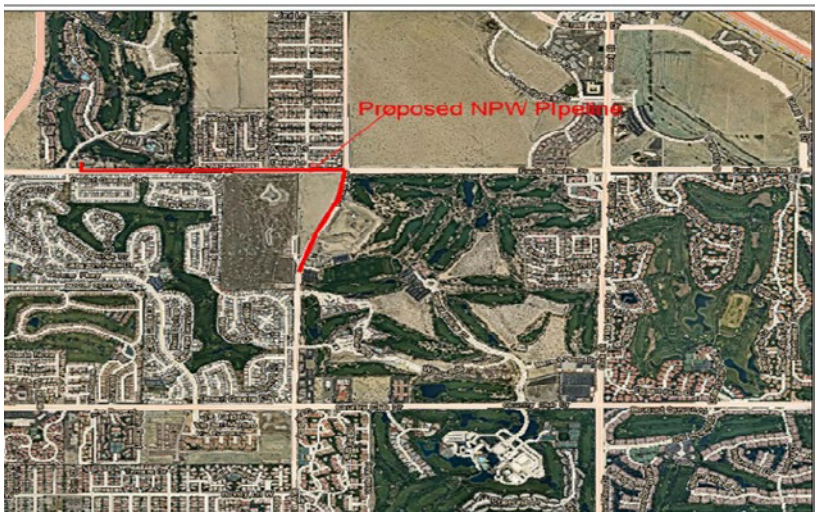
Other Financial Impact	$5,000 per year for additional electricity and material cost to maintain the new meter vault and monitoring equipment. Project construction is planned beyond FY 2028.		
Operational Impact	$5,000 per year for labor related to maintenance/calibration of control valve and meter.		
Discretionary	☑	Non-Discretionary	☐

Marriott Shadow Ridge NPW Connection

Project Number: NP1701

Project Description

This project includes designing and constructing a nonpotable water (NPW) pipeline and meter connection from WRP 10's distribution piping system to Marriott Shadow Ridge. The connection will allow the golf course to reduce its reliance on groundwater for turf irrigation purposes and help CVWD achieve groundwater sustainability goals.



Project Objectives

The objective of this project is to expand CVWD's NPW service area and reduce reliance on groundwater for turf irrigation. Connecting this project to the NPW delivery system will save approximately 1,375 acre-feet of groundwater annually.

Schedule

Start:	06/16/2016	Complete:	06/30/2026	Project Status:	Design

Estimated Project Cost ($)	7,479,044
Capitalized Labor	107,080
Construction	6,862,964
Other	10,000
Planning/Design	499,000

Funding Source	%
Grant	23
Loan	65
SWSC	12

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
354,044	125,000	500,000	3,000,000	3,500,000	0	0

Other Financial Impact	$5,000 per year for additional electricity and material cost to maintain the new meter vault and monitoring equipment.		
Operational Impact	$5,000 per year for labor related to maintenance/calibration of control valve and meter.		
Discretionary	☑	Non-Discretionary	☐

Palm Royale Country Club NPW Connection

Project Number: NP2008

Project Description

This project includes the construction of a nonpotable water (NPW) pipeline, meter connection, and pump capacity upgrade from WRP 10's NPW distribution system to Palm Royale Country Club. The connection will allow the golf course to reduce its reliance on groundwater for turf irrigation purposes and help CVWD achieve groundwater sustainability goals.



Project Objectives

The objective of this project is to expand CVWD's NPW service area and reduce reliance on groundwater for turf irrigation. Connecting this project to the NPW delivery system will save approximately 411 acre-feet of groundwater annually.

Schedule

Start:	01/01/2020	Complete:	06/30/2026	Project Status:	Design

Estimated Project Cost ($)	1,052,421
Capitalized Labor	123,200
Construction	662,988
Other	10,000
Planning/Design	256,233

Funding Source	%
Pay-as-you-go	83
Loan	17

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
177,421	75,000	200,000	400,000	200,000	0	0

Other Financial Impact	$5,000 per year for additional electricity and material cost to maintain the new meter vault and monitoring equipment.		
Operational Impact	$5,000 per year for labor related to maintenance/calibration of control valve and meter.		
Discretionary	☑	Non-Discretionary	☐

Rancho Mirage Country Club NPW Connection

Project Number: NP2013

Project Description

This project includes designing and constructing a nonpotable water (NPW) pipeline, meter connection, and pump capacity upgrade from WRP 10's NPW distribution system to Rancho Mirage Country Club. The connection will allow the golf course to reduce its reliance on groundwater for turf irrigation purposes and help CVWD achieve groundwater sustainability goals.



Project Objectives

The objective of this project is to expand CVWD's NPW service area and reduce reliance on groundwater for turf irrigation. Connecting this project to the NPW delivery system will save approximately 387 acre-feet of groundwater annually.

Schedule

Start:	01/01/2020	Complete:	06/30/2025	Project Status:	Planning

Estimated Project Cost ($)	613,371
Capitalized Labor	212,700
Other	18,000
Planning/Design	382,671

Funding Source	%
Pay-as-you-go	83
SWSC	17

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
193,371	400,000	10,000	10,000	0	0	0

Other Financial Impact	$5,000 per year for additional electricity and material cost to maintain the new meter vault and monitoring equipment.		
Operational Impact	$5,000 per year for labor related to maintenance/calibration of control valve and meter.		
Discretionary	☑	Non-Discretionary	☐

Shadow Hills High School NPW Connection

Project Number: NP2203

Project Description

This project includes designing and constructing a nonpotable water pipeline, meter connection, and pump capacity upgrade from WRP 7's NPW distribution system to Shadow Hills High School. The connection will allow the high school to reduce its reliance on groundwater for turf irrigation purposes and help CVWD achieve groundwater sustainability goals.



Project Objectives

The objective of this project is to expand CVWD's NPW area and reduce reliance on groundwater for turf irrigation. Connecting this project to the NPW delivery system will save approximately 40 acre-feet of groundwater annually.

Schedule

Start:	03/26/2021	Complete:	06/30/2027	Project Status:	Design

Estimated Project Cost ($)	895,000
Capitalized Labor	87,700
Construction	647,300
Other	10,000
Planning/Design	150,000

Funding Source	%
Pay-as-you-go	25
Loan	60
Grant	15

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	100,000	10,000	10,000	525,000	250,000	0

Other Financial Impact	$5,000 per year for additional electricity and material cost to maintain the new meter vault and monitoring equipment.		
Operational Impact	$5,000 per year for labor related to maintenance/calibration of control valve and meter.		
Discretionary	☑	Non-Discretionary	☐

Shadow Hills North Golf Course NPW Connection

Project Number: NP2301

Project Description

This project includes designing and constructing a nonpotable water pipeline from WRP 7's NPW distribution system to Shadow Hills North Course. The connection will allow the golf course to reduce its reliance on groundwater for turf irrigation purposes and help CVWD achieve groundwater sustainability goals.



Project Objectives

The objective of this project is to expand CVWD's Nonpotable Water service area and reduce reliance on groundwater for turf irrigation. Connecting this project to the NPW delivery system will save approximately 1,000 acre-feet of groundwater annually.

Schedule

Start:	01/03/2022	Complete:	06/28/2028	Project Status:	Planning

Estimated Project Cost ($)	3,210,000
Capitalized Labor	107,080
Construction	2,767,920
Other	10,000
Planning/Design	325,000

Funding Source	%
Pay-as-you-go	25
Loan	60
Grant	15

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	100,000	10,000	10,000	525,000	250,000	2,315,000

Other Financial Impact	$5,000 per year for additional electricity and material cost to maintain the new meter vault and monitoring equipment.		
Operational Impact	$5,000 per year for labor related to maintenance/calibration of control valve and meter.		
Discretionary	☑	Non-Discretionary	☐

Southwest Community Church/Gerald Ford School NPW Connection

Project Number: NP2012

Project Description

This project includes designing and constructing a nonpotable water (NPW) pipeline and meter connections from WRP 10's NPW distribution system to Southwest Community Church and Gerald Ford School. The connection will allow the irrigation users to reduce reliance on groundwater for turf irrigation purposes and help CVWD achieve groundwater sustainability goals.



Project Objectives

The objective of this project is to expand CVWD's NPW service area and reduce reliance on groundwater for turf irrigation. Connecting this project to the NPW delivery system will save approximately 212 acre-feet of groundwater annually.

Schedule

Start:	01/01/2020	Complete:	06/30/2026	Project Status:	Planning

Estimated Project Cost ($)	1,400,094
Capitalized Labor	115,960
Construction	1,077,134
Other	10,000
Planning/Design	197,000

Funding Source	%
Pay-as-you-go	83
SWSC	17

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
200,094	400,000	200,000	400,000	200,000	0	0

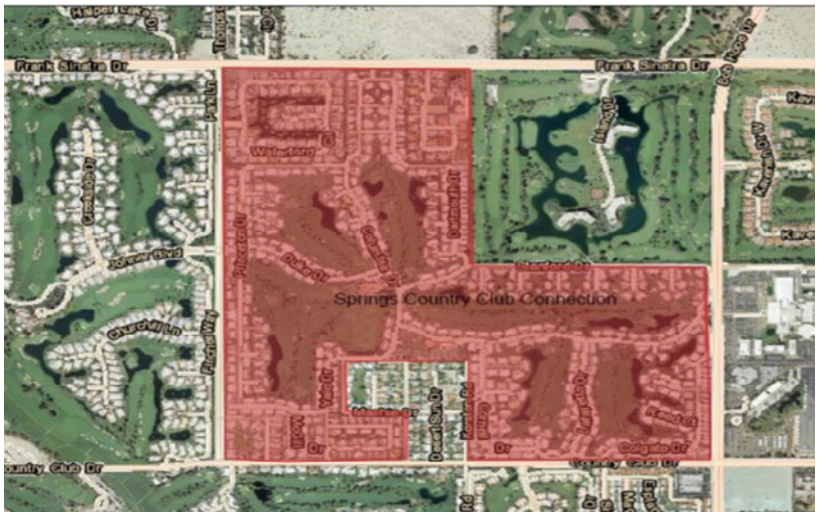
Other Financial Impact	$5,000 per year for additional electricity and material cost to maintain the new meter vault and monitoring equipment.		
Operational Impact	$5,000 per year for labor related to maintenance/calibration of control valve and meter.		
Discretionary	☑	Non-Discretionary	☐

Springs Country Club NPW Connection

Project Number: NP2201

Project Description

This project includes designing and constructing a nonpotable water (NPW) pipeline, meter connection, and pump capacity upgrade from WRP 10's NPW distribution system to Springs Country Club. The NPW connection will allow the golf course to reduce its reliance on groundwater for turf irrigation purposes and help CVWD achieve groundwater sustainability goals.



Project Objectives

The objective of this project is to expand CVWD's NPW service area and reduce reliance on groundwater for turf irrigation. Connecting this project to the NPW delivery system will save approximately 985 acre-feet of groundwater annually.

Schedule

Start:	01/03/2022	Complete:	06/30/2026	Project Status:	Planning

Estimated Project Cost ($)	1,261,161
Capitalized Labor	160,620
Construction	936,161
Other	10,000
Planning/Design	154,380

Funding Source	%
Pay-as-you-go	80
Loan	15
Grant	5

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
1,161	335,000	25,000	500,000	400,000	0	0

Other Financial Impact	$5,000 per year for additional electricity and material cost to maintain the new meter vault and monitoring equipment.		
Operational Impact	$5,000 per year for labor related to maintenance/calibration of control valve and meter.		
Discretionary	☑	Non-Discretionary	☐

Suncrest Country Club NPW Connection

Project Number: NP2009

Project Description

This project includes designing and constructing a nonpotable water (NPW) pipeline, meter connection, and pump capacity upgrade from WRP 10's NPW distribution system to Suncrest Country Club. The connection will allow the golf course to reduce its reliance on groundwater for turf irrigation purposes and help CVWD achieve groundwater sustainability goals.



Project Objectives

The objective of this project is to expand CVWD's NPW service area and reduce reliance on groundwater for turf irrigation. Connecting this project to the NPW delivery system will save approximately 410 acre-feet of groundwater annually.

Schedule

Start:	01/01/2020	Complete:	06/30/2026	Project Status:	Design

Estimated Project Cost ($)	1,365,879
Capitalized Labor	80,310
Construction	1,068,569
Other	20,000
Planning/Design	197,000

Funding Source	%
Pay-as-you-go	83
SWSC	17

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
165,879	400,000	200,000	400,000	200,000	0	0

Other Financial Impact	$5,000 per year for additional electricity and material cost to maintain the new meter vault and monitoring equipment.		
Operational Impact	$5,000 per year for labor related to maintenance/calibration of control valve and meter.		
Discretionary	☑	Non-Discretionary	☐

T1 Pump Station Replacement

Project Number: NP1807

Project Description

This project includes replacing an existing, outdated T1 pump station and constructing a replacement pump station to provide approximately 7,300 GPM additional flow capacity for the low-pressure nonpotable water (NPW) system and 9,000 GPM additional flow capacity for the high-pressure NPW delivery system. Both low and high-pressure NPW delivery systems will be equipped with one standby pump. The new pump station will also require the construction of a new MCC building, wet well, and interconnecting piping between the recycled water pipeline and the existing equalization basin. This project is required to support the expansion of the NPW delivery to five new projects on the NPW high-pressure system and two new projects on the NPW low-pressure system.



Project Objectives

The objective of this project is to replace the existing, out-of-service T1 pump station and expand the capacity to support additional customers with the expansion of the NPW distribution system.

Schedule

Start:	06/13/2017	Complete:	06/28/2024	Project Status:	Construction

Estimated Project Cost ($)	30,754,470
Capitalized Labor	702,400
Construction	27,929,140
Other	31,460
Planning/Design	2,091,470

Funding Source	%
Grant	15
Loan	75
SWSC	10

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
13,354,470	11,400,000	6,000,000	0	0	0	0

Other Financial Impact	When fully utilized, the operation and maintenance cost will increase by up to $200,000/year for electricity and pump maintenance.		
Operational Impact	This project is required to support the expansion of NPW delivery to five new projects on the NPW high-pressure system and two new projects on the NPW low-pressure system.		
Discretionary	☐	Non-Discretionary	☑

Talavera NPW Connection

Project Number: NP2202

Project Description

This project includes designing and constructing an 8-inch diameter nonpotable water (NPW) pipeline and meter connection from WRP 7's NPW distribution system to the Talavera development. The connection will allow the Talavera HOA to reduce its reliance on groundwater for irrigation purposes and help CVWD achieve groundwater sustainability goals.



Project Objectives

The objective of this project is to expand CVWD's NPW service area and reduce reliance on groundwater for turf irrigation. Connecting this project to the NPW delivery system will save approximately 107 acre-feet of groundwater annually.

Schedule

Start:	07/01/2021	Complete:	06/30/2026	Project Status:	Planning

Estimated Project Cost ($)	895,000
Capitalized Labor	87,700
Construction	647,300
Other	10,000
Planning/Design	150,000

Funding Source	%
Pay-as-you-go	25
Loan	60
Grant	15

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	100,000	25,000	550,000	220,000	0	0

Other Financial Impact	$5,000 per year for additional electricity and material cost to maintain the new meter vault and monitoring equipment.		
Operational Impact	$5,000 per year for labor related to maintenance/calibration of control valve and meter.		
Discretionary	☑	Non-Discretionary	☐

Tamarisk Country Club NPW Connection

Project Number: NP2010

Project Description

This project includes designing and constructing a nonpotable water (NPW) pipeline, meter connection, and pump capacity upgrade from WRP 10's NPW distribution system to Tamarisk Country Club. The connection will allow the golf course to reduce its reliance on groundwater for turf irrigation purposes and help CVWD achieve groundwater sustainability goals.



Project Objectives

The objective of this project is to expand CVWD's NPW service area and reduce reliance on groundwater for turf irrigation. Connecting this project to the NPW delivery system will save approximately 697 acre-feet of groundwater annually.

Schedule

Start:	01/01/2020	Complete:	06/30/2026	Project Status:	Planning

Estimated Project Cost ($)	1,360,893
Capitalized Labor	291,750
Construction	752,143
Other	20,000
Planning/Design	297,000

Funding Source	%
Pay-as-you-go	83
SWSC	37

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
160,893	400,000	200,000	400,000	200,000	0	0

Other Financial Impact	$5,000 per year for additional electricity and material cost to maintain the new meter vault and monitoring equipment.		
Operational Impact	$5,000 per year for labor related to maintenance/calibration of control valve and meter.		
Discretionary	☑	Non-Discretionary	☐

The Eagle (Crystal Lagoon) NPW Connection

Project Number: NP2401

Project Description

This project includes designing and constructing a nonpotable water (NPW) pipeline, meter connection, and pump capacity upgrade from WRP 10's NPW distribution system to Eagle, aka Crystal Lagoon. The NPW connection will allow the golf course to reduce its reliance on groundwater for turf irrigation purposes and help CVWD achieve groundwater sustainability goals.



Project Objectives

The objective of this project is to expand CVWD's NPW service area and reduce reliance on groundwater for turf irrigation. Connecting this project to the NPW delivery system will save approximately 805 acre-feet of groundwater annually.

Schedule

Start:	02/16/2023	Complete:	06/30/2025	Project Status:	Design

Estimated Project Cost ($)	400,000
Capitalized Labor	64,600
Construction	235,400
Planning/Design	100,000

Funding Source	%
Pay-as-you-go	10
Grant	15
Loan	60
SWSC	15

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	0	50,000	350,000	0	0	0

Other Financial Impact	$5,000 per year for additional electricity and material cost to maintain the new meter vault and monitoring equipment.		
Operational Impact	$5,000 per year for labor related to maintenance/calibration of control valve and meter.		
Discretionary	☑	Non-Discretionary	☐

Tri-Palm Country Club NPW Connection

Project Number: NP2011

Project Description

This project includes designing and constructing a nonpotable water (NPW) pipeline, meter connection, and pump capacity upgrade from WRP 10's NPW distribution system to Tri-Palm Country Club. The connection will allow the golf course to reduce its reliance on groundwater for turf irrigation purposes and help CVWD achieve groundwater sustainability goals.



Project Objectives

The objective of this project is to expand CVWD's NPW service area and reduce reliance on groundwater for turf irrigation. Connecting this project to the NPW delivery system will save approximately 755 acre-feet of groundwater annually.

Schedule

Start:	01/01/2020	Complete:	06/30/2026	Project Status:	Design

Estimated Project Cost ($)	1,526,981
Capitalized Labor	121,080
Construction	1,123,901
Other	35,000
Planning/Design	247,000

Funding Source	%
Pay-as-you-go	83
SWSC	17

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
251,981	75,000	200,000	800,000	200,000	0	0

Other Financial Impact	$5,000 per year for additional electricity and material cost to maintain the new meter vault and monitoring equipment.		
Operational Impact	$5,000 per year for labor related to maintenance/calibration of control valve and meter.		
Discretionary	☑	Non-Discretionary	☐

WRP 10 Low-Pressure Capacity Expansion

Project Number: NP2205

Project Description

This project includes designing and constructing new pipelines for WRP 10's nonpotable water (NPW) distribution system expansion. The new pipelines will be constructed on Cook St from WRP-10 to Riviera Road to serve new NPW customers along Frank Sinatra Drive and in the western area of the Coachella Valley.



Project Objectives

The objective of this project is to expand CVWD's NPW service area and reduce reliance on groundwater for the purpose of irrigation.

Schedule

Start:	01/06/2022	Complete:	06/30/2026	Project Status:	Design

Estimated Project Cost ($)	9,420,000
Capitalized Labor	419,700
Construction	7,675,000
Other	30,300
Planning/Design	1,295,000

Funding Source	%
Loan	75
Grant	25

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	170,000	1,500,000	3,000,000	4,750,000	0	0

Other Financial Impact	$5,000 per year for additional electricity and material cost to maintain the new meter vault and monitoring equipment.		
Operational Impact	$5,000 per year for labor related to maintenance/calibration of control valve and meter.		
Discretionary	☑	Non-Discretionary	☐

Young's Farmland & Garden Fellowship NPW Connection

Project Number: NP2002

Project Description

This project includes designing and constructing a nonpotable water (NPW) pipeline and meter connection from WRP 7's NPW distribution system to Young's family farms. The connection will allow the agricultural farmland to reduce its reliance on groundwater for irrigation purposes and help CVWD achieve groundwater sustainability goals.



Project Objectives

The objective of this project is to expand CVWD's nonpotable water service area and reduce reliance on groundwater for agricultural irrigation. Connecting this project to the NPW delivery system will save approximately 354-acre feet of groundwater per year.

Schedule

Start:	01/01/2020	Complete:	06/30/2025	Project Status:	Design

Estimated Project Cost ($)	908,107
Capitalized Labor	88,402
Construction	555,598
Other	14,107
Planning/Design	250,000

Funding Source	%
Pay-as-you-go	25
Loan	60
Grant	15

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
138,107	10,000	60,000	700,000	0	0	0

Other Financial Impact	$5,000 per year for additional electricity and material cost to maintain the new meter vault and monitoring equipment.		
Operational Impact	$5,000 per year for labor related to maintenance/calibration of control valve and meter.		
Discretionary	☑	Non-Discretionary	☐



WRP 10

STORMWATER



STORMWATER PROJECTS

Planned Stormwater Fund projects for fiscal year 2024 amount to approximately $41.5 million. Funding includes approximately $31.5 million in Pay-Go funding and approximately $10 million in debt financing.

Capital Improvement Budget - Stormwater

Project Name	Budget FY 2024	Planned FY 2025	FY 2026	FY 2027	FY 2028	Total 5-Year
Districtwide Project Allocation	$219,060	$222,250	$241,250	$91,250	$10,000	$783,810
Subtotal Districtwide Project Allocation	**$219,060**	**$222,250**	**$241,250**	**$91,250**	**$10,000**	**$783,810**
Stormwater						
Coachella Valley Stormwater Channel Improvements-Avenue 54 to the Thermal Drop Structure	$5,000,000	$25,000	$ -	$ -	$ -	$5,025,000
Coachella Valley Multiple Species Habitat Conservation Plan Constructed Wetlands Project	100,000	3,300,000	3,300,000	3,300,000		10,000,000
Cochella Valley Storm Channel Thermal Drop Structure to Avenue 64 Improvement Project	-	300,000	300,000	1,000,000	5,400,000	7,000,000
East Side Dike, Phase 2 (Intersate 10 to North Shore)	400,000	100,000	-	-	-	500,000
East Side Dike Improvement, Phase 1 (Dune Palms to Interstate 10)	50,000	-	-	-	-	50,000
East Side Dike Realignment between Wasteway No. 3 and Dillon Road	1,000,000	1,120,000	-	-	-	2,120,000
Evaluation and Installation of Rainfall Gages	50,000	50,000	50,000	50,000	50,000	250,000
Flood Easement Renewal - White Water River Stormwater Channel	50,000	-	-	-	-	50,000
Kings Road Regional Stormwater Facility for the Oasis Area	-	500,000	1,100,000	1,400,000	1,600,000	4,600,000
Levee Certification for Whitewater River Stormwater Channel/Coachella Valley Storm Channel (Vista Chino to Ramon Road)	50,000	-	-	-	-	50,000
Levee Certification for White Water River Storm Channel from Ramon Road Bridge to Country Club Drive, Phase 2	-	-	-	300,000	3,200,000	3,500,000
Martinez Canyon (Avenue 68) Regional Stormwater Facility for the Oasis Area	-	-	-	1,000,000	900,000	1,900,000
North Cathedral City Regional Stormwater	1,000,000	8,500,000	150,000	-		9,650,000
North Indio Regional Flood Control System, Phase 2	32,000,000	100,000	-	-	-	32,100,000
Thousand Palms Channel Improvement Project from Sun City Shadow Hills Channel to the Coachella Valley Storm Channel	530,000	6,350,000	6,350,000	6,140,000	-	19,370,000
Thousand Palms Flood Control	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Whitewater River Channel Bank Protection Upstream of Cook Street	50,000	50,000	50,000	50,000	1,600,000	1,800,000
Subtotal Stormwater	**$41,280,000**	**$21,395,000**	**$12,300,000**	**$14,240,000**	**$13,750,000**	**$102,965,000**
Total Stormwater	**$41,499,060**	**$21,617,250**	**$12,541,250**	**$14,331,250**	**$13,760,000**	**$103,748,810**

Coachella Valley Stormwater Channel Improvements
Avenue 54 to the Thermal Drop Structure
Project Number: SW0042

Project Description

This project includes constructing proposed improvements to the Coachella Valley Stormwater Channel (CVSC) from Avenue 54 to the Thermal Drop Structure to increase the conveyance capacity of the CVSC to the 100-year flood design standard (39,000 cfs). When completed, the project will provide regional flood protection to life and property on adjacent lands in compliance with FEMA and CVWD design standards. It will also revise the effective FEMA flood insurance rate maps by removing about 4,577 acres of adjacent land areas from the special flood hazard area. This project is under construction.



Project Objectives

The objective of this project is to increase the regional flood conveyance capacity of the CVSC to the 100-year flood design standard and satisfy the requirements of CVWD and FEMA for regional flood protection to life and property.

Schedule

Start:	01/01/2020	Complete:	06/30/2025	Project Status:	Construction

Estimated Project Cost ($)	61,226,082
Capitalized Labor	546,801
Construction	59,244,281
Other	35,000
Planning/Design	1,400,000

Funding Source	%
Pay-as-you-go	93
Loan	7

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
29,097,500	27,103,582	5,000,000	25,000	0	0	0

Other Financial Impact	This project has received a WIFIA loan that covers 49% of the capital improvement cost for the project.		
Operational Impact	When constructed, the project will require an additional cost of $10,000 for O&M to maintain conveyance capacity.		
Discretionary	☐	Non-Discretionary	☑

Coachella Valley Multiple Species Habitat Conservation Plan Constructed Wetlands Project

Project Number: SW0044

Project Description

This project includes the design, construction, and establishment of permanent riparian and wetland habitat within the Coachella Valley Stormwater Channel and Delta Conservation Area in accordance with the Coachella Valley Multiple Species Habitat Conservation Plan.



Project Objectives

The objective of this project is to design, construct, and establish permanent riparian and wetland habitat within the Coachella Valley Stormwater Channel and Delta Conservation Area in accordance with the Coachella Valley Multiple Species Habitat Conservation Plan.

Schedule

Start:	07/01/2015	Complete:	06/30/2027	Project Status:	Design

Estimated Project Cost ($)	10,647,700
Capitalized Labor	323,270
Construction	9,809,430
Other	15,000
Planning/Design	500,000

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
547,700	100,000	100,000	3,300,000	3,300,000	3,300,000	0

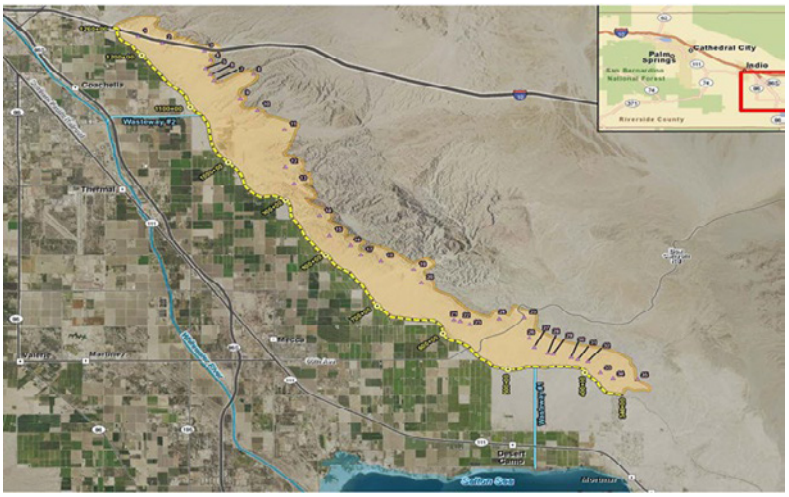
Other Financial Impact	The project is a design/build project with establishment criteria.		
Operational Impact	No operational impact. The project will be transferred to the Coachella Valley Conservation Commission upon completion.		
Discretionary	☐	Non-Discretionary	☑

East Side Dike, Phase 2 (Intersate 10 to North Shore)

Project Number: SW2001

Project Description

This project includes completing the design and environmental documentation that considers previously finalized hydrology, hydraulic and scour analyses, and geotechnical investigation for the 17-mile East Side Dike (Dike). The goal is to identify and mitigate required improvements to certify the Dike as a regional stormwater facility to the Federal Emergency Management Agency (FEMA).



Project Objectives

The objective of this project is to identify mitigation needs and construct required improvements to certify the Dike as compliant with FEMA's 100-year flood design standard. It also helps to provide regional stormwater protection to the Coachella Canal and adjacent lands in Mecca and North Shore.

Schedule

Start:	01/01/2020	Complete:	06/30/2030	Project Status:	Design

Estimated Project Cost ($)	15,519,619
Capitalized Labor	168,200
Construction	12,521,800
Other	560,000
Planning/Design	2,269,619

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
724,400	500,000	400,000	100,000	0	0	0

Other Financial Impact	The funding for this phase can be augmented through WIFIA loans or grants. Construction of this project is beyond FY 2028.		
Operational Impact	The facility's improvements are not expected to exceed the existing O&M cost.		
Discretionary	☐	Non-Discretionary	☑

East Side Dike Improvement, Phase 1 (Dune Palms to Interstate 10)

Project Number: SW1601

Project Description

The project includes constructing proposed improvements to the western portion of the East Side Dike (Dike) levee (~3,500 linear feet) and certifying the Dike from Dune Palms Road to Interstate 10 to the Federal Emergency Management Agency (FEMA) as a regional stormwater facility. This will be followed by submitting a Letter of Map Revision report to FEMA to revise FEMA's flood insurance rate maps and remove the Talavera Development and WRP 7 from a Special Flood Hazard Area.



Project Objectives

The objective of this project is to construct proposed improvements and certify the Dike for compliance with FEMA's 100-year flood design standard. It also helps to remove existing developments, such as the Talavera Community and WRP 7, from the special flood hazard area.

Schedule

Start:	01/01/2020	Complete:	12/31/2024	Project Status:	Construction

Estimated Project Cost ($)	3,565,900
Capitalized Labor	83,613
Construction	2,899,287
Other	25,000
Planning/Design	558,000

Funding Source	%
Grant	75
Pay-as-you-go	25

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
3,415,900	100,000	50,000	0	0	0	0

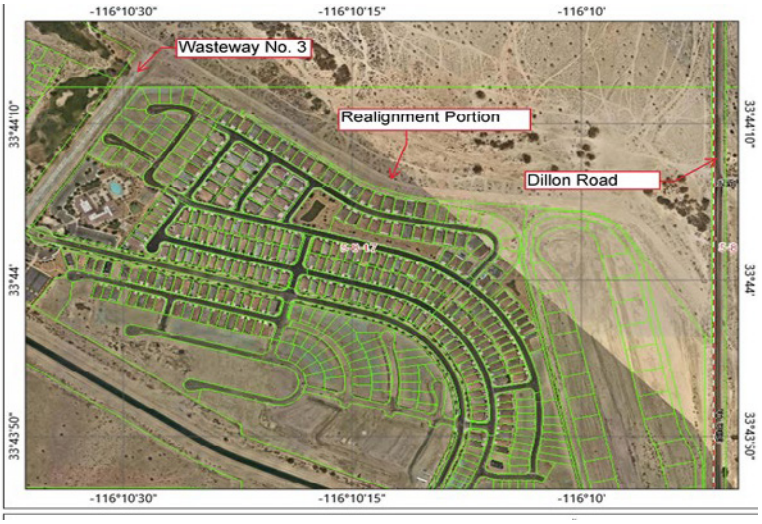
Other Financial Impact	O&M cost is expected to increase by about $10,000 annually following levee certification.		
Operational Impact	Additional O&M and annual levee inspection reports are required to maintain certification.		
Discretionary	☐	Non-Discretionary	☑

East Side Dike Realignment between Wasteway No. 3 and Dillon Road

Project Number: SW2103

Project Description

This project includes a design to modify and realign a portion of the East Side Dike (Dike) between Wasteway No. 3 and Dillon Road to allow for vehicular access and maintenance on the southern slope of the Dike. Currently, approximately 3,600 linear feet of the Dike have restrictions for access.



Project Objectives

The objective of this project is to realign a portion of the East Side Dike between Wasteway No. 3 and Dillon Road to provide vehicular access for long-term maintenance of the southerly slope of the Dike.

Schedule

Start:	09/01/2020	Complete:	06/30/2025	Project Status:	Construction

Estimated Project Cost ($)	2,561,700
Capitalized Labor	70,900
Construction	2,262,061
Other	30,000
Planning/Design	198,739

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
116,700	325,000	1,000,000	1,120,000	0	0	0

Other Financial Impact	No additional financial impact is expected.		
Operational Impact	It improves or makes O&M cost effective for the long term.		
Discretionary	☐	Non-Discretionary	☑

Evaluation and Installation of Rainfall Gauges

Project Number: SW1606

Project Description

This project includes installing additional rainfall gauges within the Coachella Valley to increase coverage of rainfall data collection.



Project Objectives

The objective of this project is to increase the coverage of rainfall gauges in the valley to allow for better analysis of storm events that impact the valley and to develop a database for planning efforts into the future.

Schedule

Start:	07/01/2019	Complete:	06/30/2028	Project Status:	Construction

Estimated Project Cost ($)	638,300
Capitalized Labor	48,475
Construction	75,000
Other	514,825

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
338,300	50,000	50,000	50,000	50,000	50,000	50,000

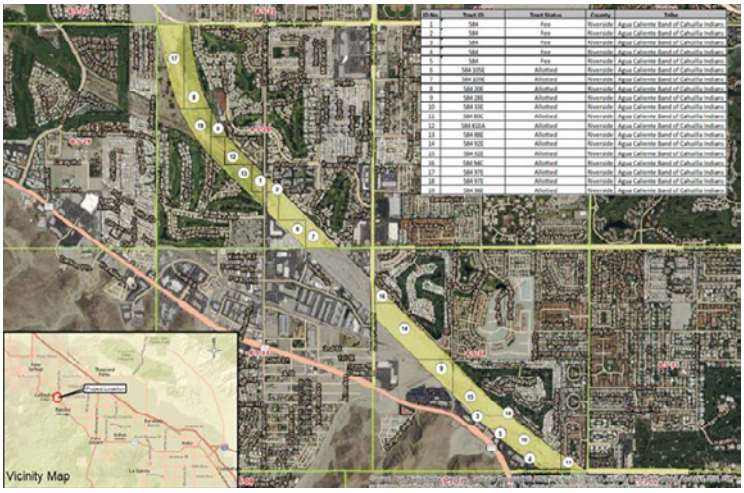
Other Financial Impact	No additional financial impact.		
Operational Impact	The addition of rainfall gauging stations will better represent the aerial distribution of observed rainfall storms within the Coachella Valley.		
Discretionary	☑	Non-Discretionary	☐

Flood Easement Renew - Whitewater River Stormwater Channel

Project Number: SW0045

Project Description

This project includes coordinating with the Bureau of Indian Affairs to renew flood easements along the Whitewater River Stormwater Channel and other flood conveyance channels within the Coachella Valley.



Project Objectives

The objective of this project is to coordinate the establishment of new flooding easements with the Bureau of Indian Affairs in areas of existing flooding within the valley.

Schedule

Start :	07/01/2019	Complete :	06/30/2029	Project Status :	Planning

Estimated Project Cost ($)	877,700
Capitalized Labor	17,000
Contracted ROW Consultant	183,700
Other	132,000
ROW Easement	525,000
Temporary Access Fees	20,000

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
255,700	55,000	50,000	0	0	0	0

Other Financial Impact	Project completion is planned beyond FY 2028.		
Operational Impact	None		
Discretionary	☐	Non-Discretionary	☑

Levee Certification for Whitewater River Stormwater Channel/ Coachella Valley Storm Channel (Vista Chino to Monroe Street)

Project Number: SW1602

Project Description

The project includes engaging a consultant to prepare design plans and specifications for the deficient Whitewater River Stormwater Channel levees between Vista Chino and Ramon Road. Hydraulic and geotechnical studies were completed that identified the locations of deficiencies in the levee.



Project Objectives

The objective of this project is to meet FEMA and CVWD requirements for levee certification by FEMA.

Schedule

Start:	06/01/2018	Complete:	06/30/2024	Project Status:	Planning

Estimated Project Cost ($)	430,300
Capitalized Labor	37,600
Other	86,100
Planning/Design	306,600

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
380,300	0	50,000	0	0	0	0

Other Financial Impact	No additional financial impact.		
Operational Impact	The project will ensure compliance with FEMA's 100-year flood standard for regional flood protection.		
Discretionary	☐	Non-Discretionary	☑

North Cathedral City Regional Stormwater Project

Project Number: SW0001

Project Description

This project includes preparing design plans, specifications, and environmental documentation to construct Phase I of the North Cathedral City Stormwater Master Plan (SMP). The scope includes designing and constructing improvements to convey a portion of a 100-year flood from the Morongo Wash south of Interstate 10 to the Whitewater River Stormwater Channel.



Project Objectives

The objective of this project is to construct a concrete channel beneath the Union Pacific Railroad bridge to convey stormwater flows from upstream of Interstate 10 to the Whitewater River Stormwater Channel.

Schedule

Start:	06/26/2018	Complete:	06/30/2026	Project Status:	Design

Estimated Project Cost ($)	11,425,000
Capitalized Labor	554,000
Construction	7,741,000
Other	1,630,000
Planning/Design	1,500,000

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
1,675,000	100,000	1,000,000	8,500,000	150,000	0	0

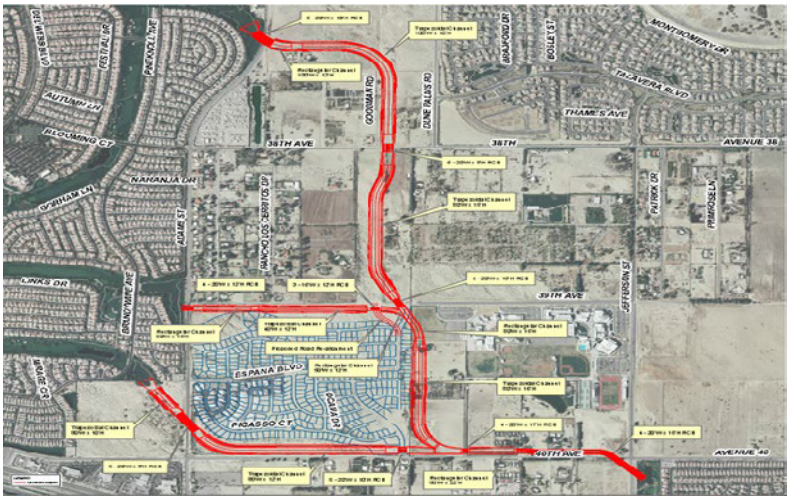
Other Financial Impact	$5,000 per year for O&M costs.		
Operational Impact	The design and construction of SMP Phase 1 will protect existing development in northern Cathedral City from a 100-year flood, including a portion of riverine flows currently conveyed to Thousand Palms. The construction of the project will also provide biological benefits through improved wildlife connectivity and sand transport between the Willow Hole and Whitewater Floodplain Conservation areas.		
Discretionary	☐	Non-Discretionary	☑

North Indio Regional Flood Control System, Phase 2

Project Number: SW2201

Project Description

The project includes constructing the Phase 2 regional flood control improvements. It consists of constructing regional flood control conveyance channels for the North Indio area to convey the 100-year flood from Sun City Palm Desert to Sun City Shadow Hills. The project, when complete, will remove approximately 2,700 acres of land within the North Indio area from a FEMA-designated Special Flood Hazard Area. This project is under construction.



Project Objectives

The objective of this project is to construct regional stormwater channels and associated improvements and capture regional stormwater flows from Sun City Palm Desert to convey them through Sun City Shadow Hills for ultimate discharge into the Coachella Valley Stormwater Channel.

Schedule

Start:	07/01/2019	Complete:	06/30/2025	Project Status:	Construction

Estimated Project Cost ($)	101,345,200
Capitalized Labor	1,189,620
Construction	96,392,868
Other	3,762,712

Funding Source	%
Pay-as-you-go	5
Bond	65
Loan	30

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
20,445,200	48,800,000	32,000,000	100,000	0	0	0

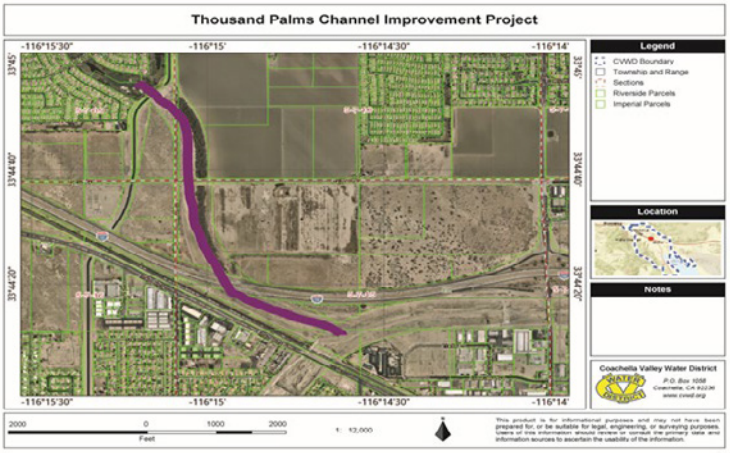
Other Financial Impact	The project is funded partially (49%) through a WIFIA Loan that will cover up to $32 million of the capital improvement cost.		
Operational Impact	Annual O&M for the stormwater system following construction will be required.		
Discretionary	☐	Non-Discretionary	☑

Thousand Palms Channel Improvement Project from Sun City Shadow Hills Channel to the Coachella Valley Storm Channel

Project Number: SW2104

Project Description

This project includes providing engineering design services and preparing environmental documentation for the Thousand Palms Channel Improvement Project from Coachella Siphon crossing the Sun City Shadow Hills (SCSH) channel to the Coachella Valley Stormwater Channel (CVSC). The project will provide final connectivity to convey regional stormwater flows from the SCSH channel to the CVSC.



Project Objectives

The objective of this project is to make improvements that will enhance workers' safety during maintenance activities. This project aims to design and prepare environmental documentation and required environmental permits for constructing Thousand Palms Channel improvements. This project will connect regional stormwater flow from the SCSH channel to the CVSC.

Schedule

Start:	09/01/2020	Complete:	06/30/2027	Project Status:	Design

Estimated Project Cost ($)	20,474,300
Capitalized Labor	173,300
Construction	19,061,000
Other	30,000
Planning/Design	1,210,000

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
454,300	650,000	530,000	6,350,000	6,350,000	6,140,000	0

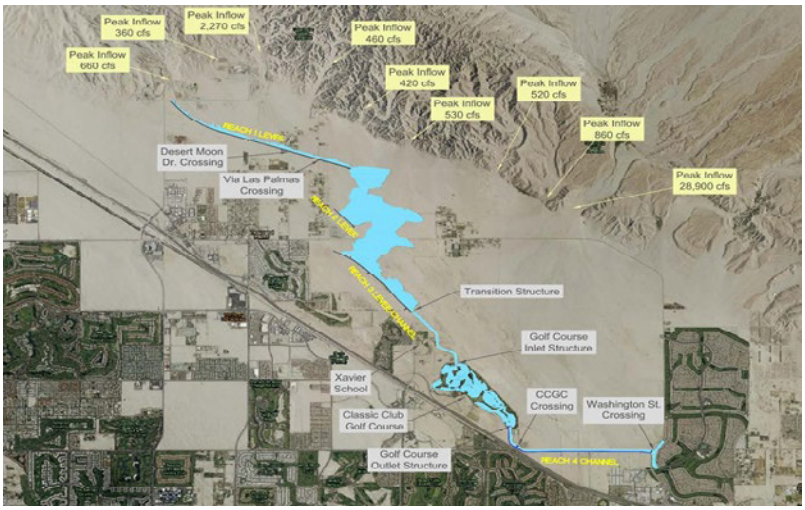
Other Financial Impact	Costs are expected at most $5,000 for regular O&M following the project's construction.		
Operational Impact	There will be no additional operation impact expected other than the required O&M.		
Discretionary	☐	Non-Discretionary	☑

Thousand Palms Flood Control Project

Project Number: SW0004

Project Description

This project includes designing and constructing a series of levees and channels to protect a portion of the Thousand Palms community. The project will collect flows from the alluvial fans to the north and convey them to the existing Sun City Palm Desert flood control channel system.



Project Objectives

The objective of this project is to provide regional flood protection to a portion of the Thousand Palms community and maintain a sand transport system for the Coachella Valley Fringe-Toed Lizard Preserve.

Schedule

Start:	07/01/2019	Complete:	06/30/2035	Project Status:	Design

Estimated Project Cost ($)	80,000,000
Capitalized Labor	891,300
Construction	64,700,000
Other	10,550,000
Planning/Design	3,858,700

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
4,921,900	175,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000

Other Financial Impact	The project requires land acquisition prior to construction. Construction of this project is beyond FY 2028.		
Operational Impact	After construction, Operation and maintenance costs will increase by more than $10,000 annually.		
Discretionary	☐	Non-Discretionary	☑

Whitewater River Channel Bank Protection Upstream of Cook Street

Project Number: SW2003

Project Description

This project includes designing and constructing approximately 2,500 linear feet of concrete slope protection for the Whitewater River Stormwater Channel (WWRSC) west of Cook Street. The purpose of this project is to reinforce the north bank to mitigate scour and protect two sewer pipelines installed at the top of the slope.



Project Objectives

The objective of this project is to mitigate the potential for scour within the channel slope near Cook Street by reinforcing the slope with concrete slope protection.

Schedule

Start:	07/01/2019	Complete:	06/30/2029	Project Status:	Construction

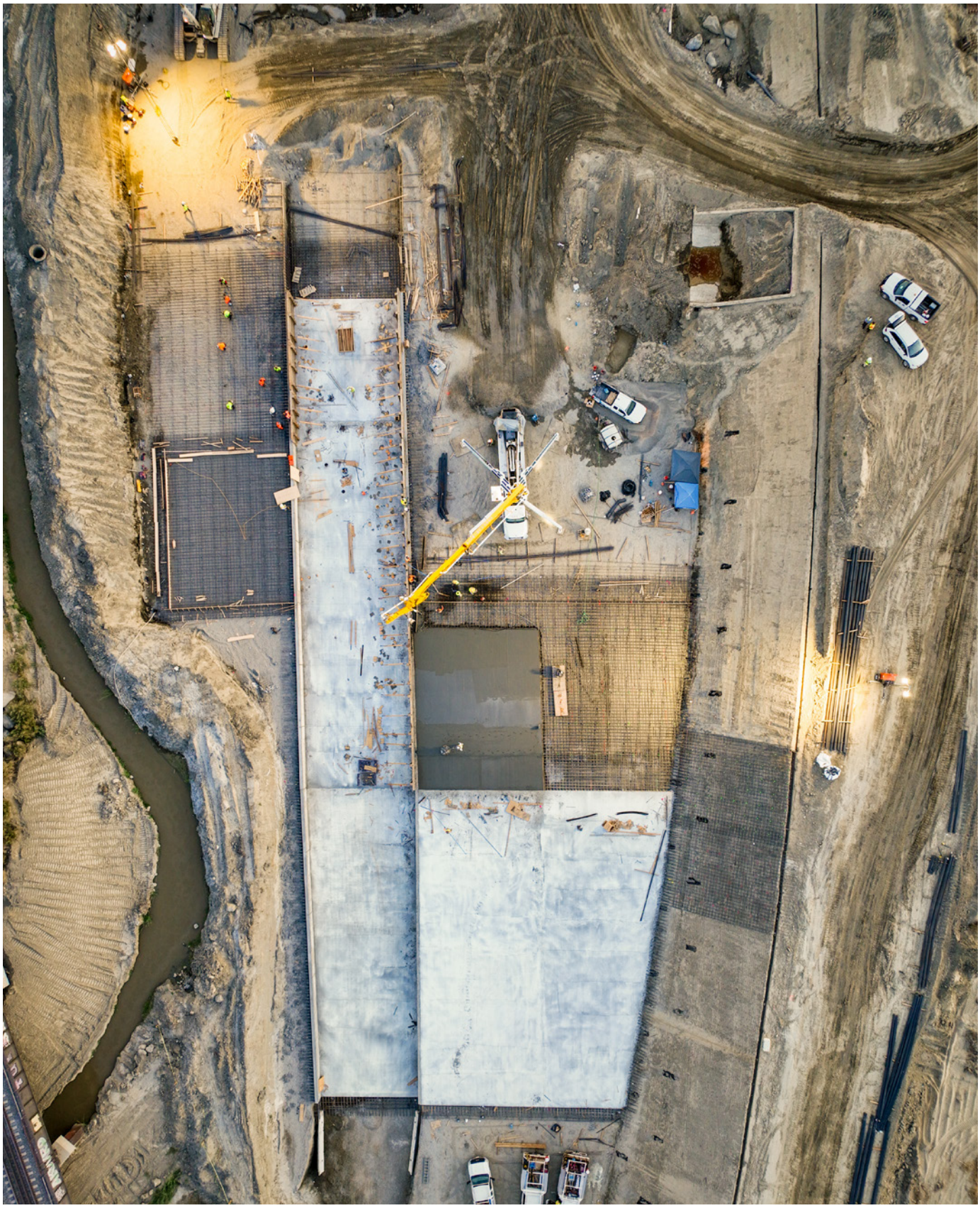
Estimated Project Cost ($)	3,215,008
Capitalized Labor	57,008
Construction	2,958,000
Other	50,000
Planning/Design	150,000

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
157,000	0	50,000	50,000	50,000	50,000	1,600,000

Other Financial Impact	Project construction continues beyond FY 2028.		
Operational Impact	This project reduces slope maintenance's operation and maintenance costs for this reach of the WWRSC.		
Discretionary	☐	Non-Discretionary	☑



Coachella Valley Stormwater Improvement Project

REPLENISHMENT



REPLENISHMENT PROJECTS

The East and West Whitewater Replenishment Fund projects for fiscal year 2024 amount to approximately $2.1 million and $2.2 million, respectively. East Replenishment projects utilize Pay-Go as primary funding. West Replenishment includes Supplemental Water Supply Charge (SWSC) restricted funding for the Palm Desert Groundwater Facility, Phase 2 project.

Capital Improvement Budget - Replenishment

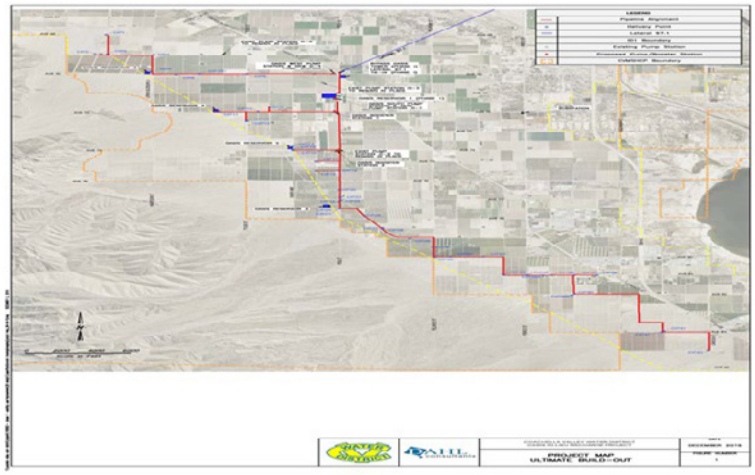
Project Name	Budget FY 2024	Planned FY 2025	Planned FY 2026	Planned FY 2027	Planned FY 2028	Total 5-Year
East Whitewater Replenishment						
Districtwide Project Allocation	$247,310	$241,500	$247,500	$172,500	$10,000	$918,810
Subtotal Districtwide Project Allocation	**$247,310**	**$241,500**	**$247,500**	**$ 172,500**	**$ 10,000**	**$918,810**
Eagle Falls Golf Course Connection	$ -	$140,000	$770,000	$ -	$ -	$910,000
Oasis In-Lieu Recharge, Phase 2	100,000	-	-	-	-	100,000
The Quarry Country Club Nonpotable Water Golf Course Connection	1,800,000	600,000	-	-	-	2,400,000
Subtotal East Whitewater Replenishment	**$1,900,000**	**$740,000**	**$770,000**	**$ -**	**$ -**	**$3,410,000**
Total East Whitewater	**$2,147,310**	**$981,500**	**$1,017,500**	**$172,500**	**$10,000**	**$4,328,810**
West Whitewater Replenishment						
Districtwide Project Allocation	$211,310	$201,500	$202,500	$172,500	$10,000	$797,810
Subtotal Districtwide Project Allocation	**$211,310**	**$201,500**	**$202,500**	**$ 172,500**	**$ 10,000**	**$797,810**
Palm Desert Groundwater Replenishment Facility, Phase 2	$2,000,000	$5,500,000	$5,500,000	$ -	$ -	$13,000,000
Subtotal West Whitewater Replenishment	**$2,000,000**	**$5,500,000**	**$5,500,000**	**$ -**	**$ -**	**$13,000,000**
Total West Whitewater	**$2,211,310**	**$5,701,500**	**$5,702,500**	**$172,500**	**$10,000**	**$13,797,810**

Oasis In-Lieu Recharge, Phase 2

Project Number: C02001

Project Description

This project includes the design and construction of four reservoirs, five pump stations, approximately 18 miles of distribution pipeline, and an expansion of the irrigation distribution system to serve an additional 4,520 acres of land in the Oasis area. This project will provide in-lieu recharge by converting customers from groundwater pumping to surface water supplies. This project is under construction.



Project Objectives

The objective of this project is to facilitate in-lieu recharge by providing up to approximately 32,000 acre-feet per year of Colorado River water as a substitute for groundwater pumping.

Schedule

Start:	07/01/2019	Complete:	06/30/2024	Project Status:	Construction

Estimated Project Cost ($)	52,112,300
Capitalized Labor	621,200
Construction	47,284,151
Other	3,320,949
Planning/Design	886,000

Funding Source	%
Bond	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
48,012,300	4,000,000	100,000	0	0	0	0

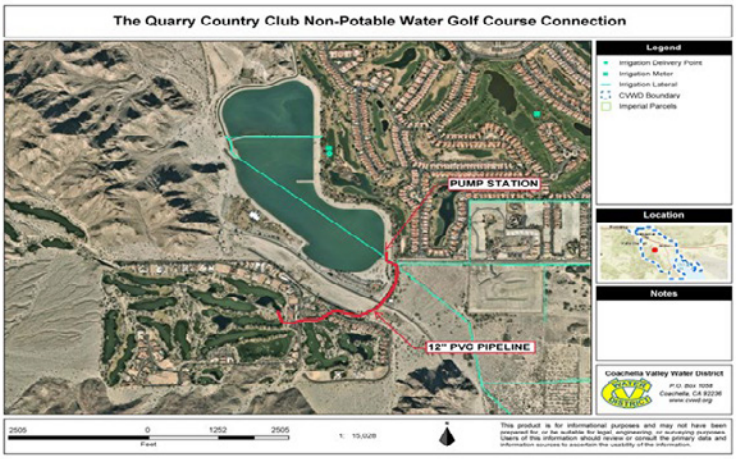
Other Financial Impact	This project will include four reservoirs, five pump stations, and over 18 miles of pipe distribution system.		
Operational Impact	This project will expand CVWD's service area for the Colorado River water delivery and comply with the Alternative Plan's source substitution element (in-lieu recharge).		
Discretionary	☐	Non-Discretionary	☑

The Quarry Country Club Nonpotable Water Golf Course Connection

Project Number: C02302

Project Description

This project includes designing and constructing an irrigation pipeline from Lake Cahuilla to The Quarry Country Club. The connection will allow The Quarry Country Club to reduce its reliance on groundwater for turf irrigation.



Project Objectives

The objective of this project is to meet the source substitution element of the Alternative Plan by providing The Quarry Country Club with an alternate source of supply for its golf course irrigation needs in lieu of pumping groundwater.

Schedule

Start:	07/01/2022	Complete:	06/30/2025	Project Status:	Construction

Estimated Project Cost ($)	2,550,000
Capitalized Labor	144,120
Construction	2,150,000
Other	17,180
Planning/Design	238,700

Funding Source	%
Pay-as-you-go	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
0	150,000	1,800,000	600,000	0	0	0

Other Financial Impact	No additional impacts.		
Operational Impact	None.		
Discretionary	☐	Non-Discretionary	☑

Palm Desert Groundwater Replenishment Facility, Phase 2

Project Number: NP2204

Project Description

This project includes constructing ponds to replenish Colorado River water within the Whitewater River Stormwater Channel. A groundwater replenishment facility will help mitigate historical groundwater level declines within the West Whitewater River Subbasin Area. Studies indicate that approximately 15,000 acre-feet per year of Colorado River water may be delivered via the Mid-Valley Pipeline for replenishment in the Whitewater River Stormwater Channel.



Project Objectives

The objective of this project is to mitigate historical groundwater level declines and improve groundwater quality within the West Whitewater River Subbasin Area by replenishing 15,000 acre-feet per year of Colorado River water within the Whitewater River Stormwater Channel.

Schedule

Start:	07/01/2018	Complete:	06/30/2026	Project Status:	Design

Estimated Project Cost ($)	13,511,337
Capitalized Labor	367,458
Construction	12,590,000
Other	153,879
Planning/Design	400,000

Funding Source	%
SWSC	100

Budget

Expenses Through Previous Year ($)	Estimated Expenses Current Year ($)	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
134,042	377,295	2,000,000	5,500,000	5,500,000	0	0

Other Financial Impact	The project will add labor costs for operation (10-month expected operation period) and maintenance (2-month expected maintenance period) of replenishment ponds.		
Operational Impact	The replenishment ponds will be designed to operate manually and add operational costs.		
Discretionary	☐	Non-Discretionary	☑



Whitewater Replenishment Facility

MOTORPOOL



MOTORPOOL

Planned purchases for vehicles and heavy equipment for fiscal year 2024 amount to approximately $2.4 million. New vehicles and heavy equipment for the various departments are budgeted for in the Motorpool Fund. At year-end, funds are transferred into the Motorpool Fund from the District's enterprise funds based on the actual benefit of equipment received.

Capital Improvement Budget - Motorpool

Department	Division	Vehicle Being Replaced	Replacement Vehicle Type	FY 2024 Budget
Vehicle and Equipment Replacements				
Environmental Services	Water Resources	2007 Ford 1/2 Ton Pickup Truck	Battery Electric Utility Vehicle (EUV)	$52,000
Environmental Services	Water Resources	2016 Chevrolet 1/2 Ton Pickup Truck 4WD	Battery Electric Utility Vehicle (EUV)	52,000
Finance	Warehouse	2000 Electric Cart	Battery Electric Cart	17,171
Operations & Maintenance	Auto Shop	2004 Sterling Fuel Truck 58K	F600 Fuel Truck	180,000
Operations & Maintenance	Service Installation	2001 International Dump Truck 26K 2007 & Chevy Dump Truck 26K	26K GVWR Dump Truck	102,426
Operations & Maintenance	Service Installation	2006 GMC 25K Maintainer	26K GVWR Maintainer Truck w/Crane & Auxiliary Power Unit	268,000
Operations & Maintenance	Leak Repair	2006 GMC 25K Maintainer	26K GVWR Maintainer Truck w/Crane & Auxiliary Power Unit	268,000
Operations & Maintenance	Collections Maintenance	2015 Kenworth Vactor Truck	Vactor Truck (Refurbishment)	241,000
Service	Meter Reading	2006 Chevrolet 1/2 Ton Pickup Truck	Battery Electric Utility Vehicle (EUV)	52,000
Service	Meter Reading	2006 Chevrolet 1/2 Ton Pickup Truck 4WD	Battery Electric Utility Vehicle (EUV)	52,000
Service	Meter Reading	2006 Chevrolet 1/2 Ton Pickup Truck 4WD	Battery Electric Utility Vehicle (EUV)	52,000
Service	Meter Reading	2007 Ford 1/2 Ton Pickup Truck	Battery Electric Utility Vehicle (EUV)	52,000
Service	Meter Reading	2007 Ford 1/2 Ton Pickup Truck	Battery Electric Utility Vehicle (EUV)	52,000
Service	Meter Reading	2007 Ford 1/2 Ton Pickup Truck 4WD	Battery Electric Utility Vehicle (EUV)	52,000
Service	Meter Reading	2008 Ford 1/2 Ton Pickup Truck	Battery Electric Utility Vehicle (EUV)	52,000
Service	Meter Reading	2008 Ford 1/2 Ton Pickup Truck	Battery Electric Utility Vehicle (EUV)	52,000
Service	Meter Reading	2010 Ford 1/2 Ton Pickup Truck 4WD	Battery Electric Utility Vehicle (EUV)	52,000
Service	Meter Reading	2010 Ford 1/2 Ton Pickup Truck 4WD	Battery Electric Utility Vehicle (EUV)	52,000
Service	Meter Reading	2010 Ford 1/2 Ton Pickup Truck 4WD	Battery Electric Utility Vehicle (EUV)	52,000
Service	Meter Reading	2013 Ford 1/2 Ton Pickup Truck	Battery Electric Utility Vehicle (EUV)	52,000
Service	Meter Reading	2013 Ford 1/2 Ton Pickup Truck	Battery Electric Utility Vehicle (EUV)	52,000
Service	Meter Reading	2013 Ford 1/2 Ton Pickup Truck	Battery Electric Utility Vehicle (EUV)	52,000
Service	Meter Reading	2013 Ford 1/2 Ton Pickup Truck	Battery Electric Utility Vehicle (EUV)	52,000
Service	Meter Reading	2013 Ford 1/2 Ton Pickup Truck 4WD	Battery Electric Utility Vehicle (EUV)	52,000
Service	Meter Reading	2013 Ford 1/2 Ton Pickup Truck 4WD	Battery Electric Utility Vehicle (EUV)	52,000
Service	Meter Reading	2013 Ford 1/2 Ton Pickup Truck 4WD	Battery Electric Utility Vehicle (EUV)	52,000
Service	Meter Reading	2014 Ford 1/2 Ton Pickup Truck	Battery Electric Utility Vehicle (EUV)	52,000
Service	Meter Reading	2014 Ford 1/2 Ton Pickup Truck 4WD	Battery Electric Utility Vehicle (EUV)	52,000
Service	Meter Reading	2016 Ford 1/2 Ton Pickup Truck 4WD	Battery Electric Utility Vehicle (EUV)	52,000
Service	Meter Reading	2016 Ford 1/2 Ton Pickup Truck 4WD	Battery Electric Utility Vehicle (EUV)	52,000
Service	Meter Reading	2018 GMC 1/2 Ton Pickup Truck 4WD	Battery Electric Utility Vehicle (EUV)	52,000
Total Motorpool				**$2,376,597**

ACRONYMS & GLOSSARY



ACRONYMS

AC	Asbestos Cement
ACFR	Annual Comprehensive Financial Report (Formerly Comprehensive Annual Financial Report)
ACVWDM	Association of Coachella Valley Water District Managers
ACWA	Association of California Water Agencies
af	Acre-Foot or Acre-Feet
AGOL	ArcGIS Online
AIR-VAC	Air-Vacuum
ALAE	Allocated Loss Adjustment Expenses
AMMP	Asset Management Master Plan
AMP	Asset Management Program
AMR	Automated Meter Reading
AMWA	Association of Metropolitan Water Agencies
AOB	Area of Benefit
APN	Assessor's Parcel Number
APs	Access Points
AQMD	Air Quality Management District
ARC	Annual Required Contribution
ASSET	Association of Supervisory Support Evaluation Team
AV	Assessed Value
AWWA	American Water Works Association
BDCP	Bay-Delta Conservation Plan
BIL	Bipartisan Infrastructure Law
BLM	Bureau of Land Management
BOD	Biological Oxygen Demand
BOR	Broker of Record
CAD	Computer-Aided Design
CAL/OSHA	California Occupational Safety and Health Administration
CalPERS	California Public Employee's Retirement System
CAMP	California Asset Management Program
Ccf	One Hundred Cubic Feet
CCLP	Coachella Canal Lining Project
CCR	California Code Regulations
CCTV	Closed Circuit Television
CDP	Census Defined Places
CDSM	Cement Deep Soil Mixing
CEQA	California Environmental Quality Act
CIB	Capital Improvement Budget
CIP	Capital Improvement Plan
CLM	Contract Lifecycle Management
CMMS	Computerized Maintenance Management System
COBRA	Consolidated Omnibus Budget Reconciliation Act
COLAs	Cost-of-Living Adjustments
COP	Certificates of Participation
COSS	Cost of Service Study
CPI	Consumer Price Index
CRW	Colorado River Water
Cr3	Chromium-3
Cr6	Chromium-6
CVB	Convention and Visitors Bureau
CVCWD	Coachella Valley County Water District
CVILC	Coachella Valley Irrigated Lands Coalition
CVMSHCP	Coachella Valley Multiple Species Habitat Conservation Plan
CVSC	Coachella Valley Stormwater Channel
CVWD	Coachella Valley Water District
CVWDEA	Coachella Valley Water District Employees Association
DAC	Disadvantaged Community
DBCP	Defined Benefit and Contribution Plan
DCP	Drought Contingency Plan
DIP	Ductile Iron Pipe
DMS	Data Management System
DSCR	Debt Service Coverage Ratio
DWA	Desert Water Agency
DWR	Department of Water Resources
EAP	Employee Assistance Program

EDC	Electronic Data Capture
EDU	Equivalent Dwelling Unit
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
EPO	Exclusive Provider Organization
ERP	Enterprise Resource Planning
ESU	Equivalent Sewer Unit
EUM	Effective Utility Management
FEMA	Federal Emergency Management Agency
FITSM	Federated Information Technology Service Management
FSA	Flexible Spending Account
FTE	Full-Time Equivalent
FY	Fiscal Year
GAAP	Generally Accepted Accounting Principles
GASB	Governmental Accounting Standards Board
GFOA	Government Finance Officers Association
GIS	Geographic Information System
GLC	Glorious Lands Company
GPM	Gallons Per Minute
GPS	Global Positioning System
GRF	Groundwater Replenishment Facility
GSA	Groundwater Sustainability Agency
HDHP	High Deductible Health Plan
HMO	Health Maintenance Organization
HOA	Homeowners Association
HRDP	Human Resources Development Program
HVAC	Heating, Ventilation, and Air Conditioning
ICP-MS	Inductively Coupled Plasma Mass Spectrometry
ID	Improvement District
IID	Imperial Irrigation District
IM	Instant Messaging
IRWM	Integrated Regional Water Management
IS	Information Systems
IT	Information Technology
IWAA	Irrigation Water Availability Assessment
IXTP	Ion Exchange Treatment Plant
KW	Kilowatt
LAIF	California Local Agency Investment Fund
LAN	Local Area Network
LC	Lower Colorado
LIMS	Laboratory Information Management System
LS	Lift Station
maf	Million Acre Feet
MCC	Motor Control Center
MDM	Mobile Device Management
MG	Million Gallons
MGD	Million Gallons Per Day
MOU	Memorandum of Understanding
MP	Milepost
MS4	Municipal Separate Storm Sewer System
MVP	Mid-Valley Pipeline
MWD	Metropolitan Water District
NEPA	National Environmental Protection Act
NFIP	National Flood Insurance Program
NIRLs	Noninterference Review Letters
NPDES	National Pollutant Discharge Elimination System
NPW	Nonpotable Water
O&M	Operations & Maintenance
OMPR	Operation, Maintenance, Power, & Replacement
OPEB	Other Post-Employment Benefits
OSHA	Occupational Safety & Health Administration
PC	Personal Computer
PCD	Pressure Control Device
PEPRA	Public Employee Pension Reform Act
PFAS	Per- and Polyfluoroalkyl Substances
PHG	Public Health Goal

PLC	Programmable Logic Controller
POS	Point of Service
PPO	Preferred Provider Organization
PUC	Public Utilities Commission
PVC	Polyvinyl Chloride
PWS	Public Water System
QSA	Quantification Settlement Agreement
RAC	Replenishment Assessment Charge
RAS	Return Activated Sludge
RCFCWCD	Riverside County Flood Control and Water Conservation District
RDA	Redevelopment Agency
RFP	Request for Proposal
ROW	Right-of-Way
RTU	Remote Terminal Unit
SBS	Sodium Bisulfate
SCADA	Supervisory Control and Data Acquisition
SCAQMD	South Coast Air Quality Management District
SCC	Sanitation Capacity Charge
SCE	Southern California Edison
SCSH	Sun City Shadow Hills
SDCWA	San Diego County Water Authority
SEIS	Supplemental Environmental Impact Statement
SGMA	Sustainable Groundwater Management Act
SLA	Service Level Agreement
SLR	San Luis Rey River Indian Water Authority
SMP	Stormwater Master Plan
SMPZ	Sky Mountain Pressure Zone
SNMP	Salt and Nutrient Management Plan
SQFT	Square foot
SRAB	Steve Robbins Administration Building
SRF	State Revolving Fund
SSMP	Sanitary Sewer Master Plan
SSO	Sanitary System Overflow
SWP	State Water Project
SWR	Stormwater Resources
SWRCB	State Water Resources Control Board
SWS	Small Water Systems
SWSC	Supplemental Water Supply Charge
S&P	Standard & Poor's
T1	Tertiary Plant 1
T2	Tertiary Plant 2
TAF	Thousand Acre Feet
TEL	Thomas E. Levy Groundwater Replenishment Facility
TNI	The NELAC Institute
TSS	Total Suspended Solids
UAL	Unfunded Accrued Liability
UB	Utility Billing
USBR	United States Bureau of Reclamation
USDA	United States Department of Agriculture
USGS	United States Geological Survey
WAN	Wide Area Network
WAS	Waste Activated Sludge
WDOF	Water Demand Offset Fee
WDR	Waste Discharge Requirement
WIFIA	Water Infrastructure Finance and Innovation Act
WIMs	Water Information Management Solution
WIIN	Water Infrastructure Improvements for the Nation Act
WLAN	Wireless Local Area Network
WRP	Wastewater Reclamation Plant
WSBFC	Water System Backup Facility Charge
WWRSC	Whitewater River Stormwater Channel

ACCRUAL BASIS OF ACCOUNTING. Method of accounting that recognizes the financial effect of transactions, events, and interfund activity when they occur, regardless of the timing of related cash flows. Revenues are recorded when earned, and expenses recognized when incurred.

ACTIVE. The asset is functioning.

ACRE-FOOT. A unit of volume of water in irrigation. The amount covering one acre to a depth of one-foot equals 43,560 cubic feet or 325,851 gallons.

ADEQUACY. 1. When the asset is able to do the job that it is assigned to do (e.g., flow capacity relative to required capacity); 2. Delivery of an acceptable quantity and quality of water at a suitable pressure in response to customer requirements.

ADVANCED TREATMENT. A treatment process that involves sophisticated methods to bring about high-quality water. Advanced treatment is often associated with drinking water, reuse, or wastewater treatment.

AERATION. A gas transfer unit process that allows for the absorption of gas (most commonly oxygen) by water.

AIR RELIEF VALVE. A valve that allows accumulating gases to escape at the top of the valve and seal closed when displaced by liquid.

ALL AMERICAN CANAL. An 80-mile (130 km) long aqueduct located in southeastern California. It conveys water from the Colorado River into the Imperial Valley and to nine cities. It is the Imperial Valley's only water source.

ALLUVIAL FAN. A fan- or cone-shaped deposit of sediment crossed and built up by streams.

ALLUVIAL FAN FLOODING. Flooding occurring on the surface of an alluvial fan or similar landform, which originates at the highest spot and is characterized by high-velocity flows; active processes of erosion, sediment transport and deposition; and unpredictable flow paths.

APPROPRIATION. Authorization of funds restricting expenditure to a designated purpose within a specified time frame.

APPURTENANCES. Something added to another, more important thing; an appendage.

AQUEDUCT. A conduit, at or above ground level, to convey water by gravity.

AQUIFER. An underground layer of water-bearing permeable rock or unconsolidated materials (gravel, sand, silt from which groundwater can be extracted.

ARCGIS ONLINE (AGOL). A geographic information system (GIS) for working with maps and geographic information. It is used for creating and using maps, compiling geographic data, analyzing mapped information, sharing and discovering geographic information, using maps and geographic information in various applications, and managing geographic information in a database.

ARTESIAN WELL. A well in which water flows to the surface under natural pressure without pumping.

ASSET. Anything of value, such as an area of land, a building, an item of plant or equipment, or infrastructure that provides service potential or future economic benefits over a period greater than one year and has a material cost (at least $10,000). Assets are typically classified as physical, financial (e.g., cash, stocks, debt instruments), or intangible (e.g., intellectual property, goodwill).

ASSOCIATION OF CALIFORNIA WATER AGENCIES (ACWA). Largest statewide coalition of public water agencies in the country that was formed to provide comprehensive leadership, advocacy, and resources for California public water agencies to ensure a high quality and reliable water supply in an environmentally sustainable and fiscally responsible manner.

AUTOMATED METER READER (AMR). A method of conveying water meter readings without interfacing directly with the meter or a contact point, usually through radio transmitters.

BALANCED BUDGET. The District's current operating expenses will be paid from current revenues and reserves carried forward from the prior year.

BIOLOGICAL OXYGEN DEMAND (BOD). The analytical parameter represents the amount of dissolved oxygen consumed by aerobic bacteria growing on the organic material present in a water sample at a specific temperature over a specific time period.

BIPARTISAN INFRASTRUCTURE LAW (BIL). Law signed by the White House in mid-November 2021 allowing for an investment in the nation's infrastructure, including investments in drinking water and wastewater infrastructure.

BIOSOLIDS. Nutrient-rich organic materials resulting from the treatment of domestic sewage in a treatment facility.

BLOWER. Mechanical equipment used to pump air.

BUREAU OF RECLAMATION (USBR), FORMERLY THE UNITED STATES RECLAMATION SERVICE. An agency under the U.S. Department of the Interior that oversees water resource management, specifically as it applies to the oversight and/or operation of numerous diversions, delivery, and storage projects it built throughout the western United States for irrigation, water supply, and attendant hydroelectric power generation.

CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA). A California statute passed in 1970, shortly after the United States federal government passed the National Environmental Policy Act (NEPA), to institute a statewide policy of environmental protection. CEQA does not directly regulate land uses but instead requires state and local agencies within California to follow a protocol of analysis and public disclosure of the environmental impacts of proposed projects and adopt all feasible measures to mitigate those impacts.

CHANNEL. An open (nonpressurized) waterway that conveys water between two points.

CHECK VALVE. A controlling device connected to a pipe that only permits flow in one direction.

CHLORINATION. The process of adding the element chlorine to water for oxidation and disinfection. Chlorine systems can use chlorine gas, hypochlorite solution, or onsite hypochlorite generation.

CHLORINATOR. A device used to add chlorine to water.

CHROMIUM-6 (CR-6). A form of the metallic element chromium found naturally in common minerals. Also known as hexavalent chromium.

CLASSIC MEMBER. An existing CalPERS member as of December 31, 2012, or a member that has a break in service of more than six months but returns to service with the same employer.

COACHELLA CANAL. A 123-mile (196 km) aqueduct that conveys Colorado River water for irrigation from the All-American Canal to the Coachella Valley in Riverside County, California.

CONTROLLER. A device that controls the starting, stopping, or operation of a device or piece of equipment.

CONVEYANCE SYSTEM. The combination of assets used to deliver an adequate supply of the selected material (water) from one point to another. The conveyance can include piping, pumps, controls (valves), and storage.

COOLING TOWER. A tower-like device in which atmospheric air circulates and cools warm water, generally by direct contact (evaporation).

COVID-19. Coronavirus Pandemic

DELIVERY SYSTEM. The piping, valves, and related assets that convey water from one point in the operation to another. For example, a delivery system can take water from the intake to the plant or from the plant to the customer.

DEPRECIATION. The reduction in value of a long-lived asset from use or obsolescence. A periodic allocation of the asset's original cost to current operations on an income statement recognizes the decline in value. The District does not show depreciation on its budgetary Statement of Revenues, Expenses, and Changes in Reserve because it is not a cash item.

DIFFUSER. A device to inject a gas or liquid into water so that it disperses evenly.

DOWNTIME. The time that water mains or service lines are unavailable for use. Can be a function of a failure and the time to restore service, or can refer to the time required to renew the main or service.

DRAIN. A gravity system that carries water from a higher flow level to a lower level, usually via a pipe.

EFFECTIVE UTILITY MANAGEMENT (EUM). A nationally recognized framework designed to help water and wastewater utility managers make practical, systematic changes to achieve excellence in utility performance.

EFFLUENT. An outflow or discharge of liquid waste from a sewer or sewage system.

ENTERPRISE FUND. Proprietary fund type used to report an activity for which a fee is charged to external users for goods or services.

ENVIRONMENTAL PROTECTION AGENCY (EPA OR SOMETIMES USEPA). An agency of the United States federal government which was created for the purpose of protecting human health and the environment by writing and enforcing regulations based on laws passed by Congress.

FILTER. A unit designed with a physical barrier (media or screen) to remove particulate matter from a liquid stream but allows a stream to pass through. May operate by gravity or applied pressure.

FOREBAY. A small reservoir at the head of the pipeline that carries water to the consumer.

FULL-TIME EQUIVALENT (FTE). A measure of labor requirement equal to the full-time use of one worker (e.g., one person full-time or two people half-time).

FUND. Fiscal and accounting entity with a self-balancing set of accounts recording cash and other financial resources, including all related liabilities and residual equities or balances, with changes segregated for the purpose of carrying on specific activities or attaining certain objectives in accordance with special regulations, restrictions, or limitations.

GAUGE. A device or instrument for measuring and registering a physical property (e.g., pressure gauge).

GEOGRAPHIC INFORMATION SYSTEM (GIS). A computer system for capturing, storing, checking, and displaying data related to positions on the Earth's surface.

HEADWORKS. Structures and devices located at the diversion point of a pipe, channel, or treatment process. The beginning or point of origin of a treatment process.

HYDRAULIC. Operated by the pressure created by forcing water through a comparatively narrow pipe or orifice.

HYDROLOGIC. Of or dealing with the science of occurrence, circulation, distribution, and properties of the waters of the earth and its atmosphere.

HYDROPNEUMATIC. Of, relating to, or operating by means of both water and air or other gas.

INFLUENT. A stream of liquid that enters a location, such as a water plant intake.

INTAKE. A structure or device placed in a surface water source to permit the withdrawal of water.

INTERRUPTION. An event in which the customer is deprived of a proper level of service. For water service, it typically implies a loss of flow and pressure to a few customers for brief periods.

ION EXCHANGE. A reversible chemical process to exchange ions in solution with ions from an insoluble solid medium.

LAGOON. A detention or holding pond used to contain sludge that may promote evaporation, sedimentation, or biological oxidation.

MANHOLE. The opening in a vault to allow access for maintenance, inspections, and operations to pipelines. In sewer lines, this can interface directly with the run of flow through adjacent sewer pipe.

METER. A device that measures and records the quantity of a substance, such as water or energy, that has passed through it during a specified period.

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA (MWD). The largest supplier of treated water in the US. It is a cooperative of 14 cities and 12 municipal water districts that indirectly provides water to 18 million people in its 5,200-square-mile (13,000 km2) service area.

ODOR CONTROL. The elimination of odors by aeration, chemical oxidation, adsorption, or other means.

OFFSET. A reduction in one or more budget line items (accounts).

OUTAGE. An event in which the customer is deprived of a proper level of service. For water service, it typically implies loss of flow and pressure to multiple customers for extended periods.

OVERFLOW. A sewer overflow is a discharge of untreated, raw sewage into local waterways. Overflows occur when there is too much wastewater for the sewer system or treatment plants to handle, such as after heavy rainstorms.

PEAK DEMAND. The experienced or calculated maximum required to manage wastewater or delivery of water expressed as a unit of time (year, month, day, hour, minute).

PEPRA MEMBER. A new hire who has no prior membership in any California public retirement system prior to January 1, 2013, or who is rehired by a different CalPERS employer after a break in service of greater than six months.

PER-AND POLYFLUOROALKYL SUBSTANCES. A synthetic organofluorine chemical compound that has multiple fluorine atoms attached to an alkyl chain.

PIPE. A conduit that conducts or diverts water from one location to another.

PRESSURE ZONE (PZ). An area within a distribution system in which the pressure is maintained by pumps, tank levels, or regulators independent from any adjacent pressure zone (separated by valves).

PUMP. A mechanical device for raising or lifting water, pushing it, and changing flow and pressure.

PUMP STATION. A structure containing pumps, appurtenant piping, valves, and other mechanical and electrical equipment for pumping raw water. Also called a lift station.

QUAGGA MUSSEL. A subspecies of freshwater mussel, an aquatic bivalve mollusk. It is one of seven Dreissena species and has an average life span of 3 to 5 years. Quagga Mussels were discovered in Lake Mead on January 6, 2007, and all reservoirs, lakes, and watersheds receiving raw Colorado River water have been exposed to Quagga Mussels.

QUALITY. Measures the performance of assets to perform their function toward meeting regulatory and nonregulatory goals; these are often associated with water quality.

QUANTIFICATION SETTLEMENT AGREEMENT (QSA). An agreement ratified in October 2003 quantifies Colorado River water allocations to California water contractors for 75 years, allowing for water transfer between agencies. CVWD received a base allocation of 330,000 af/yr under the QSA.

REDEVELOPMENT AGENCY (RDA). Created to improve, upgrade, and revitalize areas within the City that had become blighted because of deterioration, disuse, and unproductive economic conditions. It is a legal and separate public body with separate powers and a separate budget from the City. In February 2012, all Redevelopment Agencies within the State of California were dissolved.

REGULATOR. A device for controlling flow, movement, or pressure.

RELIABILITY. The probability that a system performs a specified function or mission under given conditions for a prescribed time.

REPLENISH. A hydrologic process where water, usually from an imported source, is moved through layers of sand, dirt, and rock to groundwater.

RESERVES. The amount of cash and investments in a fund, plus the accounts receivable, less the accounts payable, and amounts due to others in that fund.

RESERVOIR. An impounded body of water or controlled lake in which water can be collected and stored.

SACRAMENTO-SAN JOAQUIN RIVER DELTA OR CALIFORNIA DELTA. An expansive inland river delta and estuary in Northern California. The Delta is formed at the western edge of the Central Valley by the confluence of the Sacramento and San Joaquin rivers, lying just east of where the rivers enter Suisun Bay.

SCREEN. A device to retain or remove debris and suspended solids.

SEPTAGE RECEIVING FACILITY. A structure used to accept and process septic system waste.

SERVICE LINE. Pipe from the common distribution main to provide water to individual customers for domestic or fire service.

SIPHON. A closed conduit in which enough pressure is created to permit a fluid to flow upward and then transfer across a higher elevation to a discharge point at a lower elevation.

SLUDGE. The by-product of drinking water and wastewater treatment processes that contains most of the solids (residuals). Sludge contains water, and many processes are used to remove the sludge from the liquid treatment and significant portions of the water in the by-product.

STATE WATER PROJECT (SWP). The world's largest publicly built and operated water and power development and conveyance system. The project's original purpose was to provide water for arid Southern California, which lacks adequate local water resources to provide for the growth the region has experienced.

STORAGE. A vessel that can provide a readily available water supply and can be used to account for variations in demand.

STORAGE TANK. A container for storing liquids or gases.

SUBBASIN. A geologic basin formed within or as part of another basin.

SUBMERSIBLE PUMP. A device designed to fit inside a tank or well casing used to operate below the water level and lift water to facilities above ground or directly to customers.

SUBSIDENCE. The gradual sinking of landforms to a lower level resulting from earth movements.

SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA). A computer-monitored alarm, response, control, and data acquisition system used by drinking water facilities to monitor operations.

SUPPLEMENTAL REQUEST. A budget request for funds to purchase items that exceed a department's base budget. A supplemental request may be recurring or nonrecurring.

TANK. A vessel or container used to hold water or other liquid.

TELEMETRY. Communication technologies that allow the remote measurement and status reporting of information.

TOTAL SUSPENDED SOLIDS (TSS). Dry-weight of suspended particles that are not dissolved in a water sample that a filter can trap.

TRANSMISSION MAIN. A large water main transports water from the main supply or source to a distant area where the water is further distributed. Finished water transmission mains usually have no or few connections.

TUNNEL. An underground passage for conveyance of water, vehicles, piping, or conduit.

VALVE. A device to regulate or isolate the flow of water.

VAULT. An underground structure to house pumps, meters, etc.

WASTEWATER TREATMENT. The planned actions taken on sewer discharges that may remove solids, particulate matter, and chemical contaminants or render biological organisms inert for placement of water back into the environment and proper handling of sludge.

WATER DISTRIBUTION. A network of pipes, pumps, and storage facilities to transport potable water from the source or treatment facility to the consumer.

WATER METER. A device designed to measure flow passing through it accurately. Meters are of various types and materials and function with accuracy within certain flow ranges.

WATER QUALITY. Various measures by which materials (contaminants) and appearance (aesthetics) are compared against what are considered appropriate levels for acceptable water.

WATER QUALITY MONITORING. Instrumentation for measuring the quality of water.

WATERSHED. The area of land that catches rain and snow, and drains or seeps into a marsh, stream, river, lake, or groundwater aquifer.

WATER TENDER. A trailer with a small pump used to store water. It provides water to affected customers during emergency water outages and for community outreach and special events.

WATER TREATMENT. Any process that intentionally alters and improves the chemical, biological, or physical characteristics of water.

WELL. 1. A subsurface water source generally accessed through a drilled casing and pipe into the aquifer; 2. The entire system of the underground water source, pipe casing, pump, etc. Also called a borehole.

WELLHEAD PROTECTION. A system of deterrents to guard against potential groundwater contamination through the well casing. Includes well curb or cap, fences, etc.

WET WELL. A chamber in which water or wastewater is collected and to which a suction pump is connected.

WETLAND. An area saturated by surface or groundwater at sufficient frequency and duration to support vegetation adapted for life in saturated soil conditions.

WHITEWATER RIVER. A small permanent stream in western Riverside County and southwestern San Bernardino County, California.

WHITEWATER RIVER STORMWATER CHANNEL. The naturally occurring portion of the storm channel that runs from the Whitewater area north of Palm Springs to Washington Street.

WORKING CAPITAL. The amount of cash and investments in a fund, plus the accounts receivable, less the accounts payable and amounts due to others in that fund. Also referred to as reserves


WATER
DISTRICT

2022 BY THE NUMBERS

MG: Million gallons | MGD: Million gallons per day | AF: Acre-feet

568 *full-time &* **2** *part-time employees budgeted as of 6/30/2023*

$78,489,300,953

Combined assessed valuation for property within the CVWD service boundaries as of 6/30/2023

DOMESTIC (DRINKING) WATER

SERVICE INFORMATION

Population Served	270,000
Active Accounts[1]	113,481
Average Daily Demand	81.4 MGD
Total Water Delivered	91,230 AF

SYSTEM INFORMATION

Active Wells	94
Total Daily Well Pumping Capacity	237 MGD
Distribution Reservoirs	67
Storage Capacity	171.7 MG
Distribution Piping System	2,043 Miles

BLENDED, MVP, RECYCLED WATER[2]

SERVICE INFORMATION

Active Accounts	24
Average Daily Flow	18 MGD
Total Blended & MVP Water Supplied:	22 MGD

SYSTEM INFORMATION

Wastewater Reclamation Plants	2
Total Daily Tertiary Capacity	17.5 MGD
Distribution Piping System	37 Miles

CANAL WATER

SERVICE INFORMATION

Irrigable Acres for Service	77,121
Active Accounts	1,348
Total Water Delivered	314,978 AF
Average Daily Demand	863 AF
Maximum Daily Demand	1,470 AF

SYSTEM INFORMATION

Reservoirs	2
Storage Capacity	1,361 AF
Distribution System	485 Miles
Pumping Plants	16
Length of Canal	123 Miles

[1] The number of active service connections excludes fire service.

[2] **Blended:** Recycled water blended with Colorado River water
MVP: Colorado River water accessed from the Mid-Valley Pipeline
Recycled: Reclaimed wastewater from Wastewater Reclamation Plants 7 and 10

AGRICULTURAL DRAINAGE

Total on-farm drains	2,298 Miles
Acreage with farm drains	37,425 Acres
District open drains	21 Miles
District pipe drains	166 Miles

GROUNDWATER MANAGEMENT

In cooperation with Desert Water Agency

Replenishment facilities	4
Replenishment from imported water	53,953 AF
Imported supply since 1973 through 2022	4,562,483 AF



STORMWATER PROTECTION

SERVICE INFORMATION

Service Area	381,479 acres

SYSTEM INFORMATION

Stormwater Channels	18
Length of Whitewater River/ Coachella Stormwater Channel	50 Miles
Length of all Regional Flood Protection Facilities	169 Miles

WASTEWATER

SERVICE INFORMATION

Population Served	245,000
Active Accounts	103,616
Average Daily Flow	17.05 MGD

SYSTEM INFORMATION

Wastewater Reclamation Plants	5
Total Daily Plant Capacity	33.1 MGD
Collection Piping System	1,170 Miles



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