

Public Works - Water Resources



Fritz Buchman
Director of Public Works

The Water Resources Division (Water Resources) (#2023060000) is responsible for carrying out the functions of the San Joaquin County Flood Control and Water Conservation District (District), including administration of the County's flood management and water resources programs. Water Resources is responsible for implementing the goals and objectives established by the Board's Strategic Plan to Meet Water Needs. Water Resources also administers the County's National Pollutant Discharge Elimination System Municipal Stormwater Program, and the Delta Activities budget.

Please visit sjgov.org/pw/water-resources for more information.

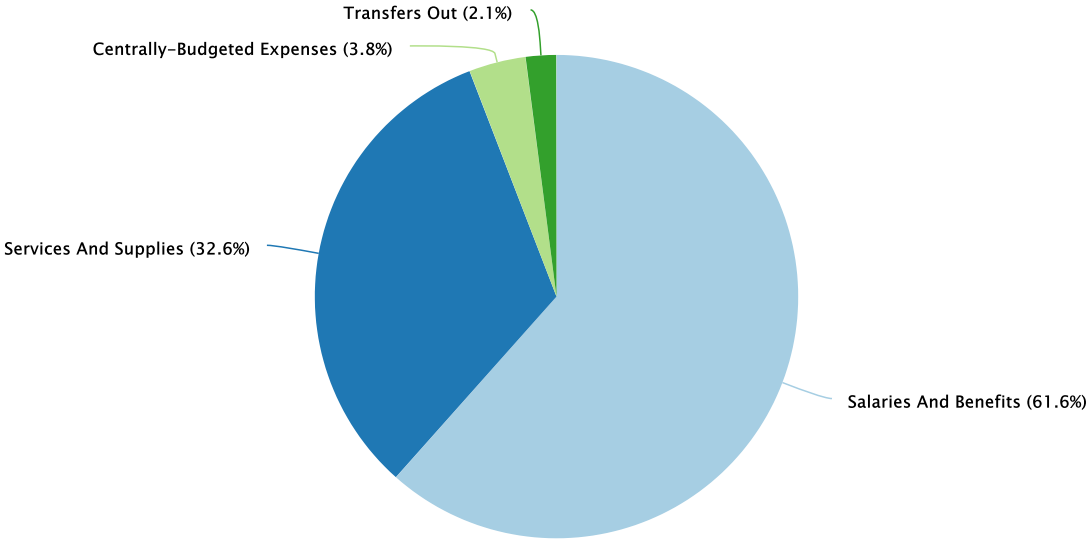
Expenditures Summary

The 2024-2025 Proposed Budget of \$4,144,476 is an increase of \$405,189 from the 2023-2024 Adopted Budget of \$3,739,287, primarily due to salaries and benefits adjustments (\$155,510), Cost Allocation Plan changes (\$136,171), and operating transfers out (\$85,000).

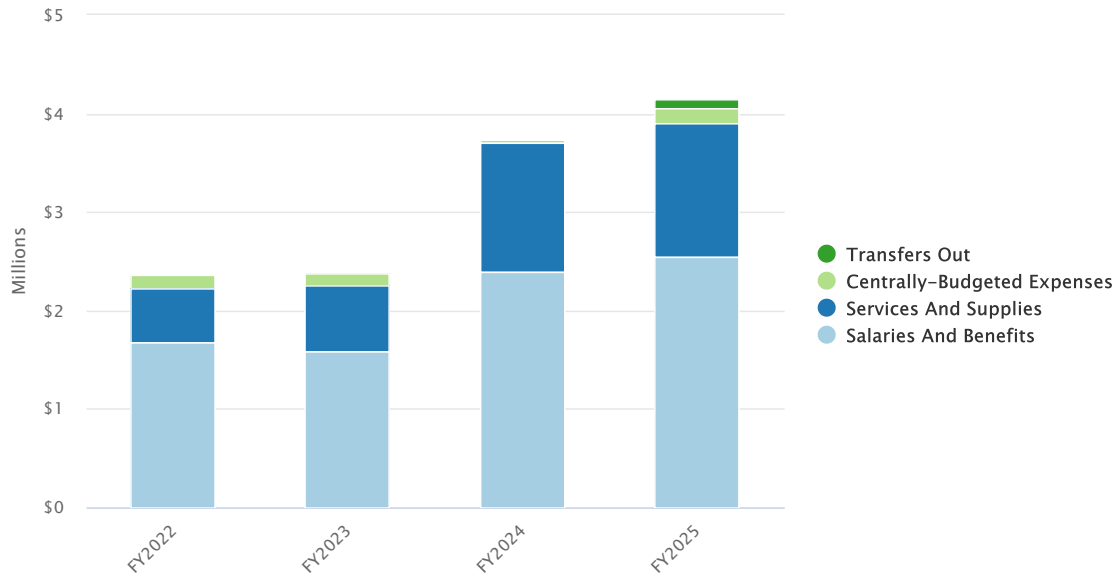
\$4,144,476 **\$405,189**
(10.84% vs. prior year)

Expenditures by Expense Type

Budgeted Expenditures by Expense Type



Budgeted and Historical Expenditures by Expense Type



Name	FY2022 Actual	FY2023 Actual	FY2024 Budget	FY2025 Budget	FY2024 Budget vs. FY2025 Budget (% Change)
Expense Objects					
Salaries And Benefits	\$1,682,859	\$1,582,377	\$2,389,348	\$2,551,842	6.8%
Services And Supplies	\$544,356	\$679,017	\$1,321,800	\$1,350,401	2.2%
Centrally-Budgeted Expenses	\$132,469	\$115,001	\$28,139	\$157,233	458.8%
Transfers Out	\$0	\$0	\$0	\$85,000	N/A
Total Expense Objects:	\$2,359,684	\$2,376,395	\$3,739,287	\$4,144,476	10.8%

Funding Summary

The 2024-2025 Proposed Budget includes \$4,144,476 in cost reimbursements from San Joaquin Flood Control & Water Conservation District (District), Water Investigation Zone 2, District Zone 9 & Zone 10, San Joaquin Flood Control Assessment Fund, Delta Activities, and County Service Area 54 (National Pollutant Discharge Elimination System).

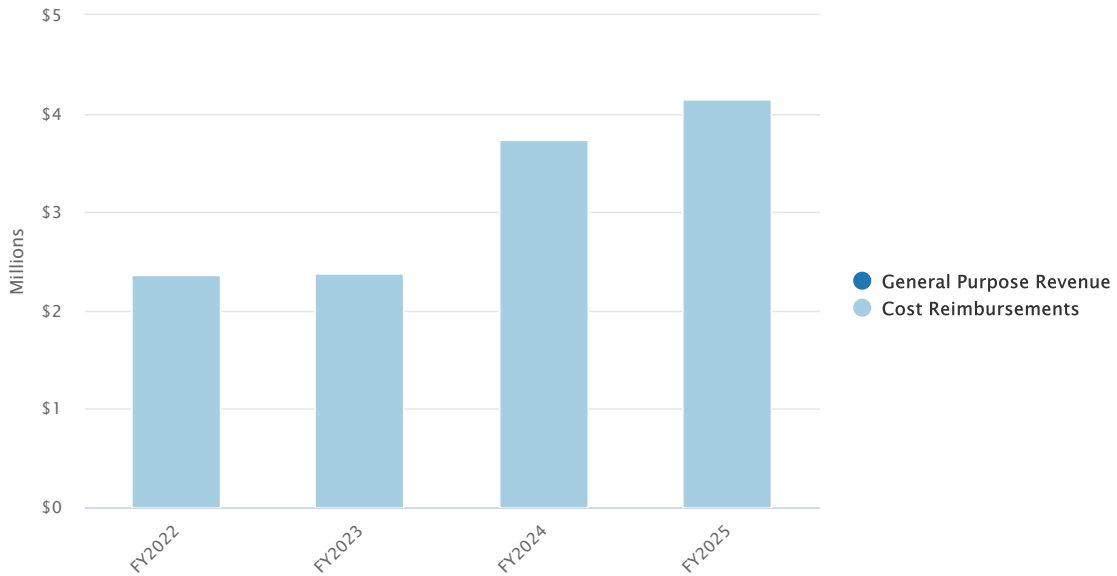
For additional information on these funding sources, please visit sjwater.org/About-the-District/Funding.

\$4,144,476 **\$405,189**
 (10.84% vs. prior year)



Funding by Source

Budgeted and Historical Funding by Source



Name	FY2022 Actual	FY2023 Actual	FY2024 Budget	FY2025 Budget	FY2024 Budget vs. FY2025 Budget (% Change)
Cost Reimbursements	\$2,359,684	\$2,375,596	\$3,739,287	\$4,144,476	10.8%
General Purpose Revenue	\$0	\$799	\$0	\$0	0%
Total:	\$2,359,684	\$2,376,395	\$3,739,287	\$4,144,476	10.8%

Position Summary

The 2024-2025 Proposed Budget includes no position changes from the prior year.

	Allocated June 2024	Proposed 2024-2025	Increase / (Decrease)
Allocated Total	13.0	13.0	0.0
Temporary (FTE)	2.3	2.3	0.0
Position Total	15.3	15.3	0.0



Program Discussion

Water Resources continues to face increasing workload demands, largely due to complex and frequently changing State and Federal requirements affecting its flood control, stormwater management, and water resources management functions.

Water Resources staff provide technical and administrative support for several stakeholder-driven water resources programs. Water Resources provides the primary support staff to the District's Advisory Water Commission, the Greater San Joaquin County Regional Water Coordinating Committee, the Eastern San Joaquin Groundwater Authority, and the Tracy Subbasin Coordinating Committee. The latter two groups were created to address the requirements of the Sustainable Groundwater Management Act of 2014.

Water Resources administers the County's Flood Hazards Ordinance, which involves regulating development in Special Flood Hazard Areas in accordance with Federal Emergency Management Agency (FEMA) requirements. Part of this effort is voluntary participation in FEMA's Community System program, through which unincorporated County property owners receive flood insurance discounts of up to 15%.

San Joaquin Area Flood Control Agency

The County and District are member agencies of the San Joaquin Area Flood Control Agency (SJAFCA). During 2023-2024, the District and SJAFCA established the Levee and Channel Maintenance Assessment (LCMA) to provide funding for improved levees in North and Central Stockton and additional funding for Federal project levee maintenance within District Zone 9. LCMA also provides funding for operation and maintenance of SJAFCA's Smith Canal Gate Structure, which will be maintained by the District when it comes online by the end of 2024. During 2024-2025, one of SJAFCA's priorities will be to establish an Assessment District that will be the final piece of the local funding mechanism for 200-year flood protection improvements in the Mossdale Tract area.

Mokelumne River Water Rights Application

Through the Mokelumne River Water and Power Authority, the County will continue to pursue its Water Rights Application 29835 on the Mokelumne River. Identifying projects to beneficially use available water will also be a top priority for 2024-2025. This State grant-funded work is critical to preventing Application 29835 from being canceled by the State Water Resources Control Board.

Sustainable Groundwater Management Act (SGMA)

SGMA establishes a State-mandated framework for sustainable groundwater management by local Groundwater Sustainability Agencies. The two groundwater subbasins in the County are subject to SGMA: the Eastern San Joaquin (ESJ) Subbasin and the Tracy Subbasin. The ESJ Subbasin consists of roughly two-thirds of the County northeast of the San Joaquin River, and the Tracy Subbasin consists of roughly one-third of the County southwest of the San Joaquin River.

Groundwater Sustainability Plans (GSPs) have been prepared for both subbasins in accordance with SGMA. The ESJ Subbasin GSP has been reviewed and approved by Department of Water Resources (DWR) after it was revised in 2022. The Tracy Subbasin GSP was approved by DWR in January 2024. Water Resources, in collaboration with the other GSAs in both subbasins, will focus on implementing the GSPs, which are intended to result in sustainable groundwater use within 20 years. The 2024-2025 District Zone 2 budget contains appropriations of \$225,000 to support ESJ GSP implementation activities and \$85,000 to fund Tracy Subbasin implementation activities.

Demonstration Recharge Extraction and Aquifer Management (DREAM) Project

The DREAM Project is a demonstration scale groundwater storage project in Eastern San Joaquin County. The project allows the East Bay Municipal Utility District (EBMUD), under permit from the County, to temporarily store groundwater in the underground basin and recover up to half of the banked water in the future. The project will provide a supplemental dry-year supply for EBMUD and additional groundwater for local users, while reducing groundwater overdraft. Demonstration project operations are scheduled to conclude in 2024-2025, after which the project results will be evaluated and future larger-scale DREAM Project phases considered.

Delta Activities

Advocating for the County's interests in the Delta has been a longstanding Board priority. Public Works has worked closely on Delta-related activities with other County departments. Water Resources will continue to support efforts to advocate for County positions, respond to proposed legislation, build and participate in coalitions, communicate County positions through the media and other outreach avenues, and coordinate with various Delta and Statewide interests.

The County is participating in litigation challenging the State's Delta Conveyance Project, and it is possible that funding beyond that proposed in the Delta Activities budget may be needed at some point to continue these efforts.



Workload Data

	2021-2022 Actual	2022-2023 Actual	2023-2024 Est./Act.	2024-2025 Projected
Development Reviews, Environmental Impact Reports, Other Agency Document Reviews	55	55	65	65
Investigation of Complaint-Violations	10	10	15	20
Central Valley Flood Protection Board Endorsements & Watercourse Encroachment Permits	15	13	16	16
Elevation Certificate Review	40	23	20	20
Flood Zone Inquiries	60	60	65	65
Plan Checks for Building Permits	120	125	125	125
Project Information Reviews	25	25	25	25
Conduct Groundwater Monitoring Investigations	960	960	960	960
Support and Attend Water Related Commission, Committee, & Board Meetings	194	194	148	150
Industrial Site Inspections	14	14	19	23
Commercial Site Inspections	20	20	209	209
Enforcement Actions	2	2	5	8
Public Outreach Activities	24	24	24	24