

City of Santa Cruz
Proposed Capital Investment Program Budget (by department)
Fiscal Years 2025 - 2029

Water Projects

711- Water & Water System Development Enterprise Fund

			Expenditures	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2025-2029
	Page		To Date	Adopted	Estimate	Estimate	Estimate	Estimate	Total
c701706		Aerators at Loch Lomond	738,612	-	-	-	-	-	-
c702101		ASR - Mid County Existing Infrastructure	1,867,335	-	4,011,562	129,792	3,884,512	81,105	8,106,971
c702102		ASR - Mid County New Wells	-	-	-	2,058,240	83,959	86,898	2,229,097
c702103		ASR - Santa Margarita Groundwater Basin	123,382	1,015,222	41,600	43,264	44,995	-	1,145,081
c701609		ASR Planning	4,290,762	407,222	273,000	283,920	181,912	-	1,146,054
c701610		ASR Planning- SDC	404,125	-	-	-	-	-	-
c702203		Beltz 12 Ammonia Removal	2,786,659	232,439	-	-	-	-	232,439
c702305		Beltz WTP Upgrades	1,020,713	1,466,259	7,755,442	6,824,185	53,336	-	16,099,222
c702002		Brackney Landslide Area Pipeline Risk Reduction	3,148,722	7,999,586	1,047,797	-	-	-	9,047,383
c702304		Branciforte Streambank Restoration	411,730	-	-	-	-	-	-
c702202		CMMS Software Replacement for Water Dept	596,874	-	197,600	-	-	-	197,600
c702901		Coast Pump Station Rehab/Replacement Project	-	-	-	-	-	183,628	183,628
c702001		Distribution System Water Quality Improvements	41,760	-	-	-	-	-	-
c701907		Facility & Infrastructure Improvements	591,378	805,000	237,120	245,523	472,443	491,341	2,251,427
c701906		Felton Diversion Pump Station Assessment	353,539	-	110,943	797,455	272,918	2,784,508	3,965,824
c701501		GHWTP CC Tanks Replacement	32,330,400	2,000,000	-	-	-	-	2,000,000
c700025		GHWTP Facilities Improvement Project	21,884,502	6,226,467	30,695,164	30,485,530	31,466,306	32,481,579	131,355,046
c702109		GHWTP Gate Entrance Upgrades	1,111,803	-	-	-	-	-	-
c702201		GHWTP SCADA Radio System Replacement	212,369	30,000	-	-	-	-	30,000
c702205		Intertie 1-Santa Cruz-Scotts Valley	1,942,590	5,784,558	3,313,760	47,567	-	-	9,145,885
c701801		Laguna Creek Diversion Retrofit	3,007,239	-	-	-	-	-	-
c709833		Main Replacement - Eng Section - Transmission	6,902,273	-	-	-	-	-	-
c700004		Main Replacements - Customer Initiated	301,259	-	52,000	54,080	56,243	58,212	220,535
c701507		Main Replacements - Distribution Section	2,855,006	145,000	780,000	811,200	843,645	873,173	3,453,018
c700002		Main Replacements - Engineering Section	9,867,774	-	-	-	-	-	-

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		Page	Expenditures To Date	FY 2025 Adopted	FY 2026 Estimate	FY 2027 Estimate	FY 2028 Estimate	FY 2029 Estimate	FY 2025-2029 Total
c700003	Main Replacements - Outside Agency		1,539,705	-	-	-	56,243	58,212	114,455
c702402	Maintenance Workshop at BSR		-	-	-	-	-	-	-
c701603	Meter Replacement Project		14,049,829	-	-	-	-	-	-
c701606	NCD I/O Replacement Project		99,894,153	-	-	-	-	-	-
c702105	Newell Crk. Pipeline Felton/Graham Hill		4,806,784	7,388,187	13,761,228	11,101,891	90,230	-	32,341,536
c702801	Newell Creek Pipeline Felton/Loch Lomond		-	-	-	-	1,831,506	1,895,611	3,727,117
c702303	North Coast System Phase 4 and 5		-	-	-	-	-	-	-
c701612	Recycled Water - SDC		355,179	-	-	-	-	-	-
c701611	Recycled Water Feasibility Study		1,219,470	151,530	897,000	-	-	-	1,048,530
c701806	River Bank Filtration Study		1,072,775	-	1,754,549	1,929,963	1,073,058	107,669	4,865,239
c702302	SCADA I/O Hardware and Wiring Upgrade		30,000	-	-	-	-	-	-
c701704	Security Camera & Building Access Upgrades		403,981	-	50,000	-	-	-	50,000
c701903	Tait Diversion Rehab/Replacement		580,103	-	80,865	727,117	948,835	2,716,261	4,473,078
c702501	Tait Wells Rehabilitation		-	500,000	-	-	-	-	500,000
c702401	Trailers at BSR		-	-	-	-	-	-	-
c702107	Union/Locust Back-up Generator		62,549	200,000	-	-	-	-	200,000
c701505	University Tank No. 4 Rehab/Replacement		1,339,499	2,895,217	1,996,164	26,997	-	-	4,918,378
c701901	Water Program Administration		2,184,186	1,924,991	2,495,974	2,489,715	2,472,251	1,553,943	10,936,874
c702003	Water Program Management Reserve		-	-	7,549,394	-	-	-	7,549,394
c701705	Water Supply Augmentation		4,683,320	2,455,000	499,200	519,168	537,339	24,105,209	28,115,916
Total Project Cost Estimate: by Fund			229,012,338	41,626,678	77,600,362	58,575,607	44,369,731	67,477,349	289,649,727
Total Project Cost Estimate: by Department			229,012,338	41,626,678	77,600,362	58,575,607	44,369,731	67,477,349	289,649,727

City of Santa Cruz

Proposed Capital Investment Program Budget (by department)

Fiscal Years 2025-2029

Water

711- Water & Water System
Development Enterprise Fund

ASR - Santa Margarita Groundwater Basin

Project Description:

Project # c702103

Evaluate the feasibility of Aquifer Storage and Recover (ASR) in the Santa Margarita Groundwater Basin per the recommendations of the Water Supply Advisory Committee. This project looks specifically at the use of new property, and infrastructure (wells, pipelines, etc.) in the Santa Margarita Basin.

Project Benefit:

Provides additional potable water to City and other partners, addressing part of, or all, water supply deficiencies.

Project Location:

Santa Margarita Groundwater Basin



Operating Budget Impact:

Costs will be associated with the ongoing operation of ASR wells.

Project Schedule:

Construction: 11/2023 - 06/2027

Project Contact Email:

irivera@santacruzca.gov

	Prior	Fiscal Year 2024		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total
	Year		Estimated						
	Totals	Budget	Actuals						
Account # 711-70-91-7153-57302									
Project Cost Estimates:	23,382	184,778	100,000	1,015,222	41,600	43,264	44,995	-	1,145,081
Net Project Cost:	23,382	184,778	100,000	1,015,222	41,600	43,264	44,995	-	1,145,081

City of Santa Cruz

Proposed Capital Investment Program Budget (by department)

Fiscal Years 2025-2029

Water

711- Water & Water System
Development Enterprise Fund

ASR Planning

Project Description:

Project # c701609

Evaluate the feasibility of Aquifer Storage and Recovery (ASR) in the Mid County Groundwater Basins per the recommendations of the Water Supply Advisory Committee. Project would potentially provide additional potable water to City, addressing part of water supply deficiencies. Project requires feasibility studies, groundwater modeling, permitting, and construction of infrastructure improvements for pilot testing.

Project Benefit:

ASR would potentially provide additional potable water to City, potentially addressing part of water supply deficiencies.

Project Location:

City water service area, Santa Cruz Mid-County and Santa Margarita groundwater basins.



Operating Budget Impact:

Not applicable

Project Schedule:

Through December 2024

Project Contact Email:

lvandermaaten@santacruzca.gov

	Prior	Fiscal Year 2024							
	Year		Estimated	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total
	Totals	Budget	Actuals	Adopted	Estimate	Estimate	Estimate	Estimate	2025-2029
Account # 711-70-91-7153-57302									
Project Cost Estimates:	3,064,459	1,916,656	1,226,303	407,222	273,000	283,920	181,912	-	1,146,054
Net Project Cost:	3,064,459	1,916,656	1,226,303	407,222	273,000	283,920	181,912	-	1,146,054

City of Santa Cruz

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Water

711- Water & Water System
Development Enterprise Fund

Beltz 12 Ammonia Removal

Project Description:

Project # c702203

Ammonia and hydrogen sulfide were detected in raw groundwater at Beltz 12 well leading to a decrease in production to maintain water quality and reliability goals. This project will increase the capacity of the sodium hypochlorite generation system and install a contact vessel to remove ammonia and hydrogen sulfide at Beltz 12 well.

Project Benefit:

Adds the ability to treat and remove ammonia and hydrogen sulfide from groundwater, which restores the reliable operation of the treatment facility through drier seasons.

Project Location:

2750 Research Park Drive, Santa Cruz



Operating Budget Impact:

Operating costs are expected to increase slightly due to increased chemical usage.

Project Schedule:

Construction: 03/2023 - 08/2025

Project Contact Email:

mzeman@santacruzca.gov

	Prior	Fiscal Year 2024		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total
	Year		Estimated						
	Totals	Budget	Actuals						
			Adopted						
		Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	2025-2029
Account # 711-70-91-7152-57302									
Project Cost Estimates:	1,757,370	1,540,642	1,029,289	232,439	-	-	-	-	232,439
Net Project Cost:	1,757,370	1,540,642	1,029,289	232,439	-	-	-	-	232,439

City of Santa Cruz
Proposed Capital Investment Program Budget (by department)
Fiscal Years 2025-2029

Water

**711- Water & Water System
Development Enterprise Fund**

Beltz WTP Upgrades

Project Description:

Project # c702305

Many components of the Beltz Water Treatment Plant are reaching the end of their design life. This project will modernize the current facility to meet existing and future water quality and reliability goals, and incorporate the treatment of native groundwater as well as ASR water. Preliminary planning and conceptual design began in early 2023.

Project Benefit:

Restores the capability of this treatment plant to reliably treat groundwater and other upgrades to process injected ASR water.

Project Location:

Roland Drive, Santa Cruz



Operating Budget Impact:

A reduction in future repairs are expected. Operating operating costs are expected to increase due to new capabilities added to the facility.

Project Schedule:

Construction: 03/2025 - 01/2026

Project Contact Email:

mzeman@santacruzca.gov

	Prior	Fiscal Year 2024		FY 2025 Adopted	FY 2026 Estimate	FY 2027 Estimate	FY 2028 Estimate	FY 2029 Estimate	Total 2025-2029
	Year	Estimated							
	Totals	Budget	Actuals						
Account # 711-70-91-7152-57302									
Project Cost Estimates:	304,628	1,170,852	716,085	1,466,259	7,755,442	6,824,185	53,336	-	16,099,222
Net Project Cost:	304,628	1,170,852	716,085	1,466,259	7,755,442	6,824,185	53,336	-	16,099,222

City of Santa Cruz

Proposed Capital Investment Program Budget (by department)

Fiscal Years 2025-2029

Water

711- Water & Water System
Development Enterprise Fund

Brackney Landslide Area Pipeline Risk Reduction

Project Description:

Project # c702002

The Newell Creek Pipeline in the Brackney landslide area is susceptible to damage from repeated landslides. This project will construct approx. 2,700 linear feet of new, re-aligned pipe between Glen Arbor Rd and Brackney Rd. This re-alignment will replace the existing pipe, which is at its end of useful life, and relocate the pipeline so it is protected from future landslide and geological movements. This project is a continuation of work superseding c701803-Brackney Landslide Risk Reduction.

Project Benefit:

Improves resiliency of this critical water supply transmission pipeline and the reliability of supply from Loch Lomond.

Project Location:

Ben Lomond, CA



Operating Budget Impact:

Reduced costs for future repairs expected.

Project Schedule:

Construction: 05/2024 - 07/2026

Project Contact Email:

lkay@santacruzca.gov

	Prior	Fiscal Year 2024		FY 2025 Adopted	FY 2026 Estimate	FY 2027 Estimate	FY 2028 Estimate	FY 2029 Estimate	Total 2025-2029
	Year	Estimated							
	Totals	Budget	Actuals						
Account # 711-70-91-7153-57302									
Project Cost Estimates:	2,099,659	3,857,207	1,049,063	7,999,586	1,047,797	-	-	-	9,047,383
Funding Estimates:									
FEMA - HMGP	1,090,684	1,308,995	1,308,995	2,750,000	407,290	-	-	-	3,157,290
Net Project Cost:	1,008,975	2,548,212	(259,932)	5,249,586	640,507	-	-	-	5,890,093

City of Santa Cruz

Proposed Capital Investment Program Budget (by department)

Fiscal Years 2025-2029

Water

711- Water & Water System
Development Enterprise Fund

Facility & Infrastructure Improvements

Project Description:

Project # c701907

This project serves as a programmatic project to reserve budget for minor system issues that may not be defined or scoped by longer range planning documents, facility master plans, or condition assessments. When minor system issues are identified and sufficiently defined, a new CIP project is created and budget is reallocated. Examples of these projects include pressure regulator upgrades, backup power systems, and radio replacements.

Project Benefit:

Project Location:

Provides a budget placeholder for small but critical projects, which ensures long-term budgeting is inclusive and complete.

Various water facilities and locations operated by the Water Department



Operating Budget Impact:

Associated operating costs are captured in the operating budget.

Project Schedule:

Continuous

Project Contact Email:

tkihoi@santacruzca.gov

	Prior	Fiscal Year 2024		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total
	Year		Estimated						
	Totals	Budget	Actuals						
Account # 711-70-91-7159-57302									
Project Cost Estimates:	10,359	509,394	581,019	805,000	237,120	245,523	472,443	491,341	2,251,427
Net Project Cost:	10,359	509,394	581,019	805,000	237,120	245,523	472,443	491,341	2,251,427

City of Santa Cruz

Proposed Capital Investment Program Budget (by department)

Fiscal Years 2025-2029

Water

711- Water & Water System
Development Enterprise Fund

GHWTP CC Tanks Replacement

Project Description:

Project # c701501

Infrastructure improvements to the Graham Hill Water Treatment Plant are necessary to meet regulatory requirements, improve operations, and increase overall reliability. This project will improve the seismic resiliency of key process tanks, improve water quality, and enhance treatment residuals management. Construction for the replacement of the Filtered Water Tank, Wash Water Reclamation Tank, and Solids Storage Tank began in 2021. This project is financed with low-interest loans through the State Revolving Fund (SRF) Loan Program.

Project Benefit:

Replaces existing tanks and pumps with new equipment which will extend the useful life of the treatment plant and allow more efficient handling of treatment residuals as well as lower byproducts from the disinfection stage of the treatment process.

Project Location:

Graham Hill Water Treatment Plant, Santa Cruz



Operating Budget Impact:

Maintenance costs are expected to decrease due to a robust design with redundant features. Energy costs are expected to increase due to additional capabilities of the new facilities.

Project Schedule:

Construction: 02/2021 - 11/2024

Project Contact Email:

mzeman@santacruzca.gov

	Prior	Fiscal Year 2024		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total
	Year		Estimated						
	Totals	Budget	Actuals						
Account # 711-70-91-7152-57302									
Project Cost Estimates:	26,962,064	15,229,107	5,368,336	2,000,000	-	-	-	-	2,000,000
Net Project Cost:	26,962,064	15,229,107	5,368,336	2,000,000	-	-	-	-	2,000,000

City of Santa Cruz

Proposed Capital Investment Program Budget (by department)

Fiscal Years 2025-2029

Water

711- Water & Water System
Development Enterprise Fund

GHWTP Facilities Improvement Project

Project Description:

Project # c700025

The Graham Hill Water Treatment Plant was commissioned in 1960 and various components of the facility are reaching the end of their useful life. The project includes treatment process upgrades and structural, infrastructure and site improvements, to improve reliability. The project design-build team will complete the design phase in 2024 with a subsequent construction duration from 2024 through 2027. This project is expected to be financed with low-interest loans through the State Revolving Fund (SRF) Loan Program and the United States Environmental Protection Agency's Water Infrastructure Finance and Innovation Act (WIFIA).

Project Benefit:

Project Location:

Provides a modernized water treatment plant to improve reliability, meets current and future water quality goals and regulations, addresses changing source water quality and emerging contaminant concerns, and supports the City's Water Supply Augmentation Strategy.

Graham Hill Water Treatment Plant, Santa Cruz



Operating Budget Impact:

Maintenance costs will initially decrease due to new equipment and different processes. Energy and chemical costs are expected to increase due to the new capabilities.

Project Schedule:

Construction: 11/2024 - 05/2028

Project Contact Email:

mzeman@santacruzca.gov

	Prior	Fiscal Year 2024		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total
	Year		Estimated						
	Totals	Budget	Actuals						
			Adopted						
		Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	2025-2029
Account # 711-70-91-7152-57302									
Project Cost Estimates:	16,516,166	5,195,147	5,368,336	6,226,467	30,695,164	30,485,530	31,466,306	32,481,579	131,355,046
Net Project Cost:	16,516,166	5,195,147	5,368,336	6,226,467	30,695,164	30,485,530	31,466,306	32,481,579	131,355,046

City of Santa Cruz
Proposed Capital Investment Program Budget (by department)
Fiscal Years 2025-2029

Water711- Water & Water System
Development Enterprise Fund

GHWTP SCADA Radio System Replacement

Project Description:Project # c702201

This project will replace radio equipment used to transmit and receive information between the Graham Hill Water Treatment Plant (GHWTP) and remote sites. The existing radio infrastructure is no longer supported and the sole manufacturer is no longer in business. The scope of this project involves approximately 30 remote water site locations and the replacement and programming of base radio equipment located at the GHWTP.

Project Benefit:Project Location:
Ensures that critical information on water facilities
continues to be transmitted to maintain the operation of
the treatment plant and delivery of water to the
community.Various remote sites within the distribution system.



Operating Budget Impact:
No change in operating costs is expected.

Project Schedule:
Schedule: 01/2024 - 07/2024

Project Contact Email:
egoad@santacruzca.gov

	Prior	Fiscal Year 2024		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total
	Year		Estimated						
	Totals	Budget	Actuals						
Account # 711-70-95-7152-57302									
Project Cost Estimates:	2,520	244,824	209,849	30,000	-	-	-	-	30,000
Net Project Cost:	2,520	244,824	209,849	30,000	-	-	-	-	30,000

City of Santa Cruz
Proposed Capital Investment Program Budget (by department)
 Fiscal Years 2025-2029

Water

**711- Water & Water System
 Development Enterprise Fund**

Intertie 1 - Santa Cruz-Scotts Valley

Project Description:

Project # c702205

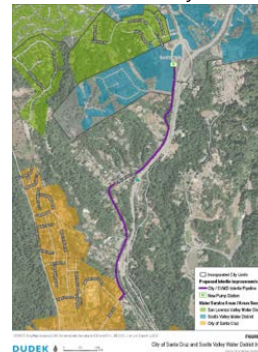
This project will link the City of Santa Cruz and Scotts Valley Water District through the construction of a nearly 2-mile intertie pipeline with SVWD. The Pipeline will be along La Madronna Drive, from Kite Hill Tank in Pasatiempo to the intertie pump station. The project has received a no-match grant from the Department of Water Resources.

Project Benefit:

Supports conjunctive use of resources to ensure supply reliability particularly during droughts.

Project Location:

Between the City of Santa Cruz to Scotts Valley



Operating Budget Impact:

May reduce the need for pumping and treatment of other raw water supplies.

Project Schedule:

Construction: Summer 2024 - Winter 2026

Project Contact Email:

tkihoi@santacruzca.gov

	Prior	Fiscal Year 2024		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total
	Year	Estimated							
	Totals	Budget	Actuals						
Account # 711-70-91-7151-57302									
Project Cost Estimates:	788,086	1,800,051	1,154,504	5,784,558	3,313,760	47,567	-	-	9,145,885
Funding Estimates:									
Local Operating Grants & Contrib	293,867	1,930,000	1,930,000	4,280,000	370,000	-	-	-	4,650,000
Net Project Cost:	494,219	(129,949)	(775,496)	1,504,558	2,943,760	47,567	-	-	4,495,885

City of Santa Cruz

Proposed Capital Investment Program Budget (by department)

Fiscal Years 2025-2029

Water

711- Water & Water System
Development Enterprise Fund

Main Replacements - Distribution Section

Project Description:

Project # c701507

Recurring program to replace deteriorated or undersized water mains as identified and prioritized by the Department and implemented by the Distribution Section. Projects are typically based on leak history, but also address water quality and fire flow issues.

Project Benefit:

Maintains the reliability of the treated water distribution system and our customer's faith in the City's stewardship.

Project Location:

Treated Water Distribution system



Operating Budget Impact:

Reduced maintenance costs due to fewer leak incidents.

Project Schedule:

Continuous

Project Contact Email:

dvalby@santacruzca.gov

Prior Year Totals	Fiscal Year 2024		FY 2025 Adopted	FY 2026 Estimate	FY 2027 Estimate	FY 2028 Estimate	FY 2029 Estimate	Total 2025-2029
	Budget	Estimated						
		Actuals						

Account # 711-70-97-7151-57302									
Project Cost Estimates:	2,205,006	1,330,041	650,000	145,000	780,000	811,200	843,645	873,173	3,453,018
Net Project Cost:	2,205,006	1,330,041	650,000	145,000	780,000	811,200	843,645	873,173	3,453,018

City of Santa Cruz
Proposed Capital Investment Program Budget (by department)
Fiscal Years 2025-2029

Water711- Water & Water System
Development Enterprise Fund

Maintenance Workshop at BSR

Project Description:Project # c702402

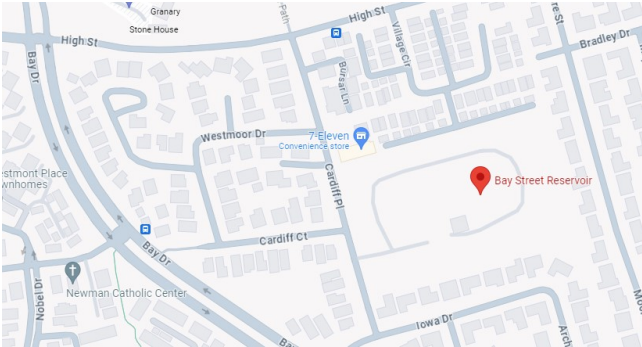
New prefabricated steel building at Bay Street Reservoir for use as a maintenance workshop. Project will be commencing in late May. The metal structure will be installed by staff in early June, and move equipment out to the site beginning in July. Staff will begin to slowly work out of the Bay street workshop as early as October 2024.

Project Benefit:Project Location:
This new building will provide workspace for the Bay Street Reservoir
maintenance staff currently located at the Graham Hill
Water Treatment Plant (GHWTP) during construction of
the GHWTP Facilities Improvement Project.

Operating Budget Impact:
None

Project Schedule:
FY 2024- FY 2025

Project Contact Email:
egoad@santacruzca.gov



	Prior	Fiscal Year 2024		FY 2025 Adopted	FY 2026 Estimate	FY 2027 Estimate	FY 2028 Estimate	FY 2029 Estimate	Total 2025-2029	
	Year	Estimated								
	Totals	Budget	Actuals							
Account # 711-70-95-7159-57302										
Project Cost Estimates:	-	150,000	-	-	-	-	-	-	-	
Net Project Cost:	-	150,000	-	-	-	-	-	-	-	

City of Santa Cruz
Proposed Capital Investment Program Budget (by department)
Fiscal Years 2025-2029

Water711- Water & Water System
Development Enterprise Fund

Newell Creek Pipeline Felton/Graham Hill WTP

Project Description:Project # c702105

This project includes approximately 4.5 miles of Newell Creek Pipeline from Felton to the Graham Hill Water Treatment Plant. This segment of the Newell Creek Pipeline was identified as the highest priority segment for replacement. The Project will relocate the pipeline out of Henry Cowell State Park and into Graham Hill Road, avoiding multiple geologic hazards that have caused past breaks. The project will initiate design in parallel with a program level environmental review. This project is intended to ensure continued reliability of this critical water supply transmission main.

Project Benefit:Project Location:
This project ensures continued reliability of this critical water supply transmission main.Graham Hill Road between Felton Booster Pump Station and the Graham Hill Water Treatment Plant

Operating Budget Impact:

Reduced costs for future repairs expected.

Project Schedule:

Construction: 08/2024 - 04/2027

Project Contact Email:

dvalby@santacruzca.gov



	Prior	Fiscal Year 2024		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total
	Year	Estimated							
	Totals	Budget	Actuals						
Account # 711-70-91-7153-57302									
Project Cost Estimates:	3,386,004	6,564,408	1,420,780	7,388,187	13,761,228	11,101,891	90,230	-	32,341,536
Net Project Cost:	3,386,004	6,564,408	1,420,780	7,388,187	13,761,228	11,101,891	90,230	-	32,341,536

City of Santa Cruz

Proposed Capital Investment Program Budget (by department)

Fiscal Years 2025-2029

Water

711- Water & Water System
Development Enterprise Fund

Recycled Water Feasibility Study

Project Description:

Project # c701611

Evaluate the feasibility of using treated wastewater for beneficial uses as per the recommendations of the Water Supply Advisory Committee. This Phase 2 study pursues projects highlighted in the Phase 1 Recycled Water Facilities Planning Study including irrigation, groundwater recharge, as well as regional projects with neighboring water agencies.

Project Benefit:

Recycled water would potentially provide additional potable water to City and other partners, potentially addressing part or all of water supply deficiencies.

Project Location:

City water service area as well as Santa Cruz Mid-County and Santa Margarita groundwater basins.



Operating Budget Impact:

Not applicable

Project Schedule:

Through December 2024

Project Contact Email:

irivera@santacruzca.gov

	Prior	Fiscal Year 2024		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total
	Year		Estimated						
	Totals	Budget	Actuals						
			Adopted						
		Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	2025-2029
Account # 711-70-91-7153-57302									
Project Cost Estimates:	742,406	675,534	477,064	151,530	897,000	-	-	-	1,048,530
Net Project Cost:	742,406	675,534	477,064	151,530	897,000	-	-	-	1,048,530

City of Santa Cruz

Proposed Capital Investment Program Budget (by department)

Fiscal Years 2025-2029

Water

711- Water & Water System
Development Enterprise Fund

Tait Wells Rehabilitation

Project Description:

Project # c702501

Rehabilitation of Tait Wells 1B, 3B, and 4 to restore lost performance and extend the life of the wells. Work will include pre- and post-rehab performance tests.

Project Benefit:

A 2023 well performance testing and assessment project demonstrated that the Tait Wells have lost significant capacities from baseline conditions. This project will rehabilitate the three wells to restore water collection capacity.

Project Location:

Santa Cruz, CA



Operating Budget Impact:

No change in operations and maintenance.

Project Schedule:

FY 2025

Project Contact Email:

dholtzclaw@santacruzca.gov

	Prior	Fiscal Year 2024								
	Year		Estimated	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total	
	Totals	Budget	Actuals	Adopted	Estimate	Estimate	Estimate	Estimate	2025-2029	
Account # 711-70-95-7153-57302										
Project Cost Estimates:	-	-	-	500,000	-	-	-	-	500,000	
Net Project Cost:	-	-	-	500,000	-	-	-	-	500,000	

City of Santa Cruz

Proposed Capital Investment Program Budget (by department)

Fiscal Years 2025-2029

Water

711- Water & Water System
Development Enterprise Fund

Union/Locust Back-up Generator

Project Description:

Project # c702107

The Water Administration Building does not currently have a backup generator. This vulnerability was highlighted during the 2019 Public Safety Power Shutoffs (PSPS) when the administration building lost power for several days interrupting the work of staff and impacting normal business functions.

Project Benefit:

This project provides a new backup power supply to maintain business operations during power outage events.

Project Location:

Union/Locust Building



Operating Budget Impact:

Minimal costs will be associated with the operation and maintenance of the backup power supply, but offset by maintenance of business continuity.

Project Schedule:

Completion expected 2025

Project Contact Email:

jsegal@santacruzca.gov

	Prior	Fiscal Year 2024		FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Total
	Year		Estimated						
	Totals	Budget	Actuals						
Account # 711-70-91-7153-57302									
Project Cost Estimates:	12,549	97,451	50,000	200,000	-	-	-	-	200,000
Net Project Cost:	12,549	97,451	50,000	200,000	-	-	-	-	200,000

City of Santa Cruz

Proposed Capital Investment Program Budget (by department)

Fiscal Years 2025-2029

Water

711- Water & Water System
Development Enterprise Fund

University Tank No. 4 Rehab/Replacement

Project Description:

Project # c701505

University Tank No. 4 (U4) is a 400,000 gallon steel tank constructed in 1965. Video inspections of U4 in 2019 revealed signs of corrosion on the tank floor, shell, and roof, necessitating a full rehabilitation or replacement project to ensure ongoing reliability. Planning work determined that replacement instead rehabilitation of the current tank provided the best benefit/cost balance. The project is currently in design and includes design of a replacement tank, secondary maintenance tank, site access and drainage improvements, and fire resiliency features.

Project Benefit:

Replaces aging infrastructure, improves water system reliability, water quality, fire preparedness, and provides operational enhancements.

Project Location:

Empire Grade Road near UCSC Western Entrance



Operating Budget Impact:

There are no anticipated increases to the operating budget.

Project Schedule:

Construction: 05/2024 - 01/2026

Project Contact Email:

tkihoi@santacruzca.gov

	Prior	Fiscal Year 2024		FY 2025 Adopted	FY 2026 Estimate	FY 2027 Estimate	FY 2028 Estimate	FY 2029 Estimate	Total 2025-2029
	Year	Estimated							
	Totals	Budget	Actuals						
Account # 711-70-91-7153-57302									
Project Cost Estimates:	787,109	601,872	552,390	2,895,217	1,996,164	26,997	-	-	4,918,378
Funding Estimates:									
Federal capital grants	-	1,000,000	1,000,000	-	-	-	-	-	-
Net Project Cost:	787,109	(398,128)	(447,610)	2,895,217	1,996,164	26,997	-	-	4,918,378

City of Santa Cruz
Proposed Capital Investment Program Budget (by department)
 Fiscal Years 2025-2029

Water

**711- Water & Water System
 Development Enterprise Fund**

Water Program Administration

Project Description:

Project # c701901

The City originally contracted with HDR, Inc. in 2017 for five years to provide Program Management Services. As Program Manager, HDR supplements City staff and brings the additional technical and managerial resources required to implement an expanded Capital Investment Program. HDR's Master Service Agreement was renewed in June 2022 for an additional five-year term.

Project Benefit:

Maximizes annual project delivery volume and increases the rate of completion of projects.

Project Location:

Not Applicable



Operating Budget Impact:

There are no impacts to the operating budget.

Project Schedule:

Continuous

Project Contact Email:

irivera@santacruzca.gov

	Prior	Fiscal Year 2024		FY 2025 Adopted	FY 2026 Estimate	FY 2027 Estimate	FY 2028 Estimate	FY 2029 Estimate	Total 2025-2029
	Year	Estimated							
	Totals	Actuals							
	Budget								
Account # 711-70-91-7159-57302									
Project Cost Estimates:	2	2,765,982	2,184,184	1,924,991	2,495,974	2,489,715	2,472,251	1,553,943	10,936,874
Net Project Cost:	2	2,765,982	2,184,184	1,924,991	2,495,974	2,489,715	2,472,251	1,553,943	10,936,874

City of Santa Cruz
Proposed Capital Investment Program Budget (by department)
Fiscal Years 2025-2029

Water711- Water & Water System
Development Enterprise Fund

Water Supply Augmentation

Project Description:Project # c701705

This project replaces projects c701402 & c701403 to capture various higher-level feasibility studies and analyses to support the evaluation of water supply alternatives identified by the Water Supply Advisory Committee.

Project Benefit:Project Location:
Informs the selection of water supply projects that meet the water supply reliability goals of the City.
City water service area as well as Santa Cruz Mid-County and Santa Margarita groundwater basins.

Operating Budget Impact:
To be determined.

Project Schedule:
Planning Work Through December 2024

Project Contact Email:
irivera@santacruzca.gov



	Prior	Fiscal Year 2024		FY 2025 Adopted	FY 2026 Estimate	FY 2027 Estimate	FY 2028 Estimate	FY 2029 Estimate	Total 2025-2029
	Year		Estimated						
	Totals	Budget	Actuals						
Account # 711-70-91-7153-57302									
Project Cost Estimates:	3,019,606	2,774,056	1,663,714	2,455,000	499,200	519,168	537,339	24,105,209	28,115,916
Funding Estimates:									
Local Operating Grants & Contrib	-	-	-	950,000	-	-	-	-	950,000
Net Project Cost:	3,019,606	2,774,056	1,663,714	1,505,000	499,200	519,168	537,339	24,105,209	27,165,916