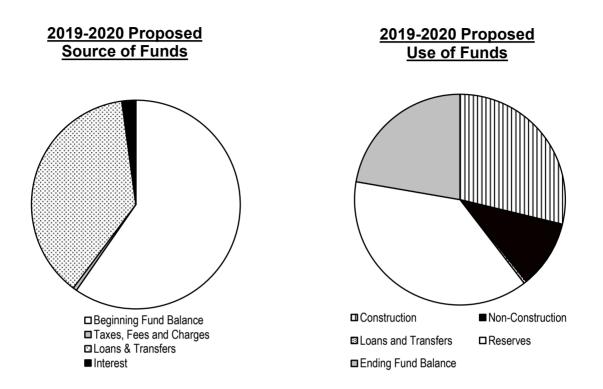
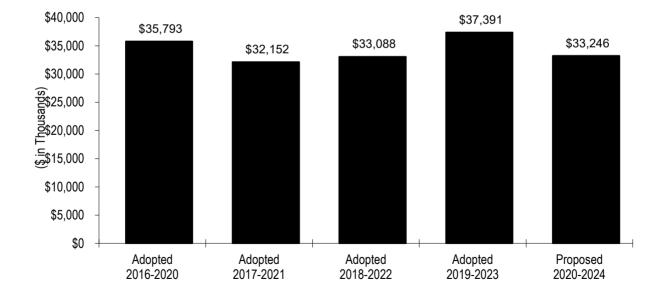
WATER UTILITY SYSTEM 2020-2024 Capital Improvement Program





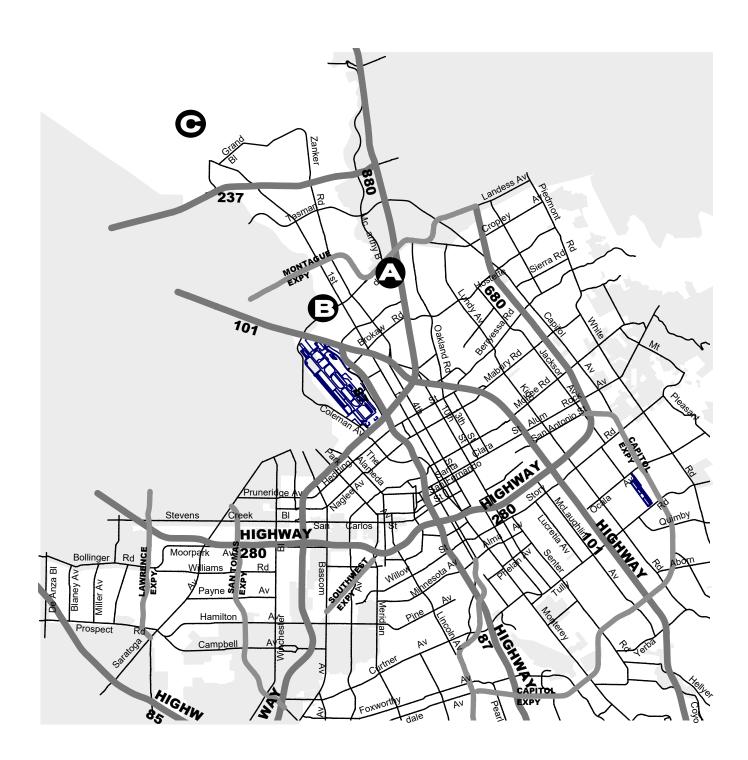
CIP History

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2020-2024 Proposed Capital Improvement Program

North

- A) North San José Reliability Well #6 Construction
- **B)** North San José Well #5 Development and Construction
- **C)** Annual Main Replacement

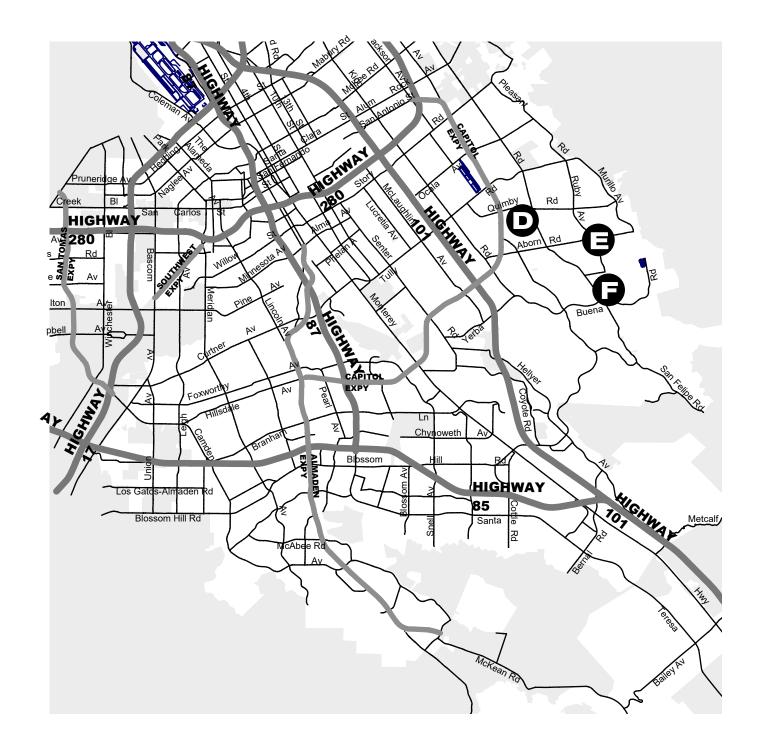


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2020-2024 Proposed Capital Improvement Program

South

- D) Annual Water Main Replacement
- E) Fowler Pump Station Replacement
- F) Safety and Security Improvements



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2020-2024 Proposed Capital Improvement Program

Overview

INTRODUCTION

The Water Utility System Capital Program includes the Water Utility Capital Fund and the Major Facilities Fund. The Water Utility System Capital Program is developed to ensure reliable utility infrastructure for the San José Municipal Water System (Muni Water), which provides water utility service, in accordance with State of California State Water Resources Control Board requirements, to areas approved for development by the City Council

MUNICIPAL WATER SYSTEM PUBLIC INFRASTRUCTURE						
MILES OF WATER MAINS	345					
NUMBER OF RESERVOIRS	18					
NUMBER OF PUMP STATIONS	15					
NUMBER OF GROUNDWATER WELLS	14					

and within the City's water service area. The program's mission is to provide superior water service at competitive rates. The 2020-2024 Proposed Capital Improvement Program (CIP) provides funding of \$33.2 million, of which \$12.8 million is allocated in 2019-2020.

Muni Water provides water service to approximately 24,000 customers in five service areas of the City of San José: Alviso, North San José, Coyote Valley, Edenvale, and Evergreen. The Alviso service area (Council District 4) includes the area within the former City of Alviso. The North San José service area (Council District 4) is generally north of Trimble Road, between the Guadalupe River and Coyote Creek. The Coyote Valley service area (Council District 2) encompasses the area generally south of Tulare Hill, west of Highway 101, and north of Palm Avenue. The Edenvale service area (Council District 8) is south of Hellyer Avenue and east of Coyote Creek. The Evergreen service area generally coincides with the boundaries of Council District 8, east of Highway 101.

This program is part of the Environmental and Utility Services City Service Area (CSA) and supports the following outcomes: *Reliable Utility Infrastructure* and *Safe*, *Reliable, Sufficient Water Supply*.

PROGRAM PRIORITIES AND OBJECTIVES

Muni Water's CIP's guiding objective is to provide a safe, reliable water supply. Based on the CSA outcomes supported by this program, the following list of priorities has been developed:

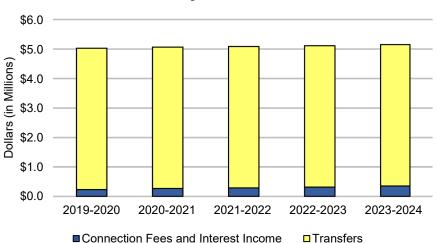
- Maintain the existing water utility system infrastructure;
- Provide facilities necessary for new development as identified in the Envision San José 2040 General Plan; and
- Ensure that the fire flow pressure and volume as recommended by the San José Fire Department is maintained.

2020-2024 Proposed Capital Improvement Program Overview

SOURCES OF FUNDING

Over the five years of this Proposed CIP, the funds available for capital improvements are estimated to total \$33.2 million, which consists of \$28.6 million in the Water Utility Capital Fund and \$4.6 million in the Major Facilities Fund. Revenue for the Proposed CIP is derived from a combination of funding sources: transfers from the Water Utility Fund to the Water Utility Capital Fund, fee income, and interest income. The Water Utility Fund derives its revenue primarily from water sales in the service areas. The amount of the transfer from the Water Utility Fund is \$4.8 million in each year of the CIP. Fee revenue in the Water Utility Capital Fund is generated from Service Connection Fees, Advanced System Design Fees, and Meter Installation Fees.

Revenue in the Major Facilities Fund is generated primarily through development fees associated with the connection and operation of major water facilities in the five service areas. Revenues received from Major Water Facilities Fees are not budgeted due to the volatility of this revenue stream. Revenue will be recognized, and programmed as necessary during the year, as it is received.



Summary of Revenues

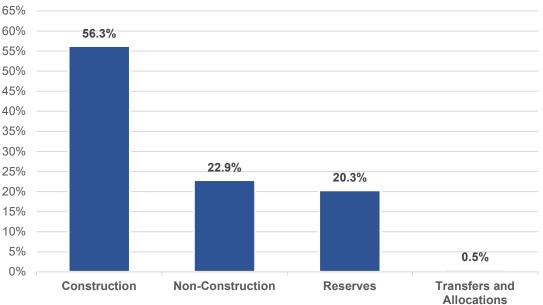
PROGRAM HIGHLIGHTS

The Water Utility System Capital Program's expenditures are organized to show the use of funds in several categories. The following highlights the major projects in the program by service area. For further information on the program's individual projects, please refer to the Detail Pages.

2020-2024 Proposed Capital Improvement Program Overview

PROGRAM HIGHLIGHTS

To meet the service needs of new developments in the Municipal Water System service area, the program continues its policy of requiring developers to construct distribution system improvements, such as pipelines, service connections, groundwater wells, and fire hydrants. Reservoirs, pump stations, and other large facilities are either constructed by developers or funded from the Major Facilities fees. Construction and reconstruction of projects for existing customers are funded from water sale revenues, which are displayed in the 2019-2020 Proposed Operating Budget in the Water Utility Fund.



2020-2024 Water Utility System Capital Program Expenditures \$30.0 million (excludes Ending Fund Balance)

2020-2024 Proposed Capital Improvement Program Overview

PROGRAM HIGHLIGHTS

System-Wide

The Safety and Security Improvements project (\$500,000) in the Proposed CIP includes the installation of safety and security equipment at various system facilities in order to maintain reliable utility infrastructure, ensure water supplies remain secured, and provide a safe working environment for staff performing operations and maintenance. In an effort to maintain and upgrade the City's Muni Water distribution system, the 2020-2024 CIP includes funding for the Annual Water Main Replacement Project (\$9.3 million), which will prioritize water mains for replacement throughout the service areas of Muni Water System by rating pipe segments based on age, adequacy of size and flow, the number of leaks or failures that have occurred, and the difficulty to repair the pipe following an unexpected failure. The 2020-2024 CIP also includes funding for Infrastucture Imrpovement (\$4.2 million) and System Maintenance and Repairs (\$3.8 million).

The System Rehabilitation/Replacement Reserve totals \$4.3 million at the end of the 2020-2024 CIP, which is approximately seven percent of the projected potable water revenue for 2020-2024. In the event that economic or environmental conditions (e.g. drought, slowing economy, etc.) decrease revenues to the Water Utility System, use of the reserve may be required to maintain infrastructure.

North San José and Alviso Service Areas

The North San José and Alviso service areas use water supplied by the Hetch-Hetchy system under the Water Supply Agreement (WSA) with the City and County of San Francisco. San José is a party to the agreement with 27 suburban agencies. The current agreement, which will expire June 30, 2034, was approved by the City Council in June 2009.

The North San José and Alviso service areas have experienced some growth in the last several years, and continued growth is assumed in this CIP. In order to meet future demand forecasts, the City continues to work with developers to construct new groundwater wells once viable locations are determined. Increased focus on rehabilitation and construction of groundwater wells will enable the San José Municipal Water System to minimize costs to customers, supply groundwater under emergency situations, and take advantage of Indirect Potable Reuse of purified water when available. The Proposed CIP includes funding for the North San José Reliability Well #6 Construction project (\$1.5 million).

2020-2024 Proposed Capital Improvement Program **Overview**

PROGRAM HIGHLIGHTS

Evergreen Service Area



Installation of New Pipe at Gumdrop Drive

The Evergreen service area contains approximately 92% of the total customers served by the water system and accounts for 72% of total water usage. Customers in the Evergreen area receive water supplied by the Santa Clara Valley Water District. The Evergreen service area has experienced minimal growth in the last several years. Included in the Proposed CIP is the completion of the Fowler Pump Station Replacement project, as well as other miscellaneous improvements to extend the useful life of the system.

Edenvale Service Area

Basic water facilities for domestic supply and fire protection for the Edenvale service area north of Silver Creek Valley Road include three wells and a reservoir. Groundwater from deep-water wells provides 100% of the supply in the Edenvale service area. The quality, supply, and management of this local groundwater basin are monitored by the Santa Clara Valley Water District. Projects scheduled in the 2020-2024 Proposed CIP in the Edenvale service area include minor improvements, such as vault site maintenance, asphalt restoration, pump station maintenance, other distribution system rehabilitation, and back-up generator replacement.

Coyote Valley Service Area

Groundwater from deep-water wells provides 100% of the supply in the Coyote Valley service area. City funding for developer-constructed water facilities in the primarily industrial North Coyote Valley service area was provided in accordance with the Master Development Agreement between the City and the coalition of North Coyote Valley developers. Once development occurs in this service area, developers will pay for the cost of expanding the water system into this area.

2020-2024 Proposed Capital Improvement Program

Overview

MAJOR CHANGES FROM THE 2019-2023 ADOPTED CIP

The overall size of the Water Utility System CIP has decreased by approximately \$4.2 million from \$37.4 million in the 2019-2023 Adopted CIP to \$33.2 million in the 2020-2024 Proposed CIP. The following table outlines the most significant changes to to the CIP, which are primarily due to projects nearing completion, thereby falling out of the five-year window.

Project	Incr/(Decr)
Fowler Pump Station Replacement	(\$1.9 million)
North San José Well #5 Development and Construction	(\$1.6 million)

OPERATING BUDGET IMPACT

There are no additional maintenance and operating costs associated with the projects in the 2020-2024 Proposed CIP.

2019-2020 CAPITAL BUDGET

2020-2024 Capital Improvement Program

WATER UTILITY System

Source and Use of Funds Statements

<u>Water Utility System</u> 2020-2024 Proposed Capital Improvement Program

Source of Funds (Combined)

	Estimated 2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	5-Year Total
Water Utility Capital Fund (500)							
Beginning Balance	6,323,971	3,587,850	315,850	218,850	327,850	157,850	3,587,850 *
Reserve for Encumbrance	2,488,341						
Transfers							
Transfer from the Water Utility Fund TOTAL Transfers	5,360,000 5,360,000	4,800,000 4,800,000	4,800,000 4,800,000	4,800,000 4,800,000	4,800,000 4,800,000	4,800,000 4,800,000	24,000,000 24,000,000
Revenue from Use of Money and							
Property Interest Income	203,000	151,000	99,000	116,000	130,000	141,000	637,000
TOTAL Revenue from Use of Money and Property	203,000	151,000	99,000	116,000	130,000	141,000	637,000
Fees, Rates and Charges							
Advance System Design Fees	15,000	25,000	25,000	25,000	25,000	25,000	125,000
Meter Installation Fees	15,000	25,000	25,000	25,000	25,000	25,000	125,000
Service Connection Fees	80,000	25,000	25,000	25,000	25,000	25,000	125,000
TOTAL Fees, Rates and Charges	110,000	75,000	75,000	75,000	75,000	75,000	375,000
Total Water Utility Capital Fund (500)	14,485,312	8,613,850	5,289,850	5,209,850	5,332,850	5,173,850	28,599,850 *
Major Facilities Fund (502)							
Beginning Balance	5,620,317	4,026,318	2,536,318	2,629,318	2,735,318	2,849,318	4,026,318 *

2020-2024 Proposed Capital Improvement Program

Source of Funds (Combined)

	Estimated <u>2018-2019</u>	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	5-Year Total
Reserve for Encumbrance	29,050						
Revenue from Use of Money and Property Interest Income	105,000	125,000	108,000	121,000	129,000	137,000	620,000
TOTAL Revenue from Use of Money and Property	105,000	125,000	108,000	121,000	129,000	137,000	620,000
Total Major Facilities Fund (502)	5,754,367	4,151,318	2,644,318	2,750,318	2,864,318	2,986,318	4,646,318 *
TOTAL SOURCES	20,239,679	12,765,168	7,934,168	7,960,168	8,197,168	8,160,168	33,246,168 *

* The 2020-2021 through 2023-2024 Beginning Balances are excluded from the FIVE-YEAR TOTAL SOURCE OF FUNDS to avoid multiple counting of the same funds.

2020-2024 Proposed Capital Improvement Program

Use of Funds (Combined)

	Estimated 2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	5-Year Total
Water Utility System	2010-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	5-Teal Total
<u>Hator otmity oyotom</u>							
Annual Water Main Replacement	1,300,000	1,900,000	1,300,000	1,800,000	2,400,000	1,900,000	9,300,000
Backup Generator Replacement	200,000						
Cadwallader Reservoir Rehabilitation	40,978						
Edenvale Reservoir Rehabilitation	19,687						
Elkins Way Main Replacement							
Facility Sites Improvement	320,000						
Fowler Pump Station Replacement	2,545,000	250,000					250,000
Gumdrop Drive Main Replacement	1,653,499						
Infrastructure Improvements	1,034,567	810,000	820,000	830,000	840,000	850,000	4,150,000
Meter Installations	175,990	50,000	50,000	50,000	50,000	50,000	250,000
North San José Reliability Well #6		360,000	950,000	150,000			1,460,000
Construction North San José Water Well Evaluation and Rehabilitation	647,007						
North San José Well #5 Development and Construction	1,560,000						
Safety and Security Improvements	319,335	100,000	100,000	100,000	100,000	100,000	500,000
Service Installations	286,835	200,000	200,000	200,000	200,000	200,000	1,000,000
Other Water - Construction	10,102,898	3,670,000	3,420,000	3,130,000	3,590,000	3,100,000	16,910,000
Water - Construction	10,102,898	3,670,000	3,420,000	3,130,000	3,590,000	3,100,000	16,910,000
Advance System Design	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Major Facilities Fee Administration	15,000	15,000	15,000	15,000	15,000	15,000	75,000
Major Water Facility Fee Update	29,050						
Master Plan Engineering	164,617	160,000	165,000	170,000	175,000	180,000	850,000
Network System Flow Improvements	6,000	6,000	6,000	6,000	6,000	6,000	30,000

2020-2024 Proposed Capital Improvement Program

Use of Funds (Combined)

	Estimated						
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	5-Year Total
Preliminary Engineering - Water	160,000	145,000	150,000	155,000	160,000	165,000	775,000
GIS Support	75,680	65,000	65,000	65,000	65,000	65,000	325,000
System Maintenance/Repairs	1,221,267	740,000	760,000	760,000	780,000	780,000	3,820,000
Tuers Road Site Improvements	510,000						
General Non-Construction - Water	2,381,613	1,331,000	1,361,000	1,371,000	1,401,000	1,411,000	6,875,000
Water - Non Construction	2,381,613	1,331,000	1,361,000	1,371,000	1,401,000	1,411,000	6,875,000
Public Art Funding	126,000	16,000	4,000	4,000			24,000
Public Art Projects	126,000	16,000	4,000	4,000			24,000
Capital Program and Public Works Department Support Service Costs	7,000	22,000	20,000	18,000	21,000	18,000	99,000
Allocations	7,000	22,000	20,000	18,000	21,000	18,000	99,000
City Hall Debt Service Fund	8,000	6,000	6,000	6,000	6,000	6,000	30,000
Transfers to Special Funds	8,000	6,000	6,000	6,000	6,000	6,000	30,000
Transfers Expense	8,000	6,000	6,000	6,000	6,000	6,000	30,000
North Coyote Valley Water System		168,000					168,000
Reserve System Growth Related Projects Reserve		1,600,000					1,600,000
System Rehabilitation/Replacement Reserve		3,100,000	275,000	368,000	172,000	423,000	4,338,000
Expense Reserves - Non Construction		4,868,000	275,000	368,000	172,000	423,000	6,106,000
Total Expenditures	12,625,511	9,913,000	5,086,000	4,897,000	5,190,000	4,958,000	30,044,000
Ending Fund Balance	7,614,168	2,852,168	2,848,168	3,063,168	3,007,168	3,202,168	3,202,168 *
TOTAL	20,239,679	12,765,168	7,934,168	7,960,168	8,197,168	8,160,168	33,246,168 *

2019-2020 CAPITAL BUDGET

2020-2024 Capital Improvement Program

WATER UTILITY System

DETAIL OF PROJECTS

2020-2024 Proposed Capital Improvement Program

Detail of One-Time Construction Projects

Fowler Pump Station Replacement

Total	12	2,545	250					250		2,807
Construction		2,500	250					250		2,750
Design	12	45								57
			Expenditu	ure Sched	dule (000s					
	PRIOR YEARS	FY19 EST	FY20	FY21	FY22	FY23	FY24	5 YEAR TOTAL	BEYOND 5 YEARS	PROJECT TOTAL
Major Cost Changes	2019-2023 CIP - Increase 2020-2024 CIP - Increase									
Notes										
Justification	To ensure the efficient op replaced at the end of the and improve system open	eir useful lif								
Description	This project consists of th useful life.	ne replacen	nent and u	pgrade of t	he Fowler I	Pump Stati	on, which \	vill have re	ached the e	nd of its
Appropriation	A402N					FY	Initiated		2017-2018	
Council District							ial Project	t Budget	\$1,560,000	
Location	Fowler Road					Re	vised End	Date	2nd Qtr. 20	20
Department	Environmental Services					Re	vised Star	t Date		
CSA Outcome	Safe, Reliable, and Suffic	ient Water	Supply; Re	eliable Utili	ty Infrastru	cture Init	ial End Da	ate	2nd Qtr. 20	19
CSA	Environmental and Utility	Services				Init	ial Start D	ate	3rd Qtr. 201	17

(500)	12	2,545	250	250	2,807
Total	12	2,545	250	250	2,807

Annual Operating Budget Impact (000s)

2020-2024 Proposed Capital Improvement Program

Detail of One-Time Construction Projects

North San José Reliability Well #6 Construction

CSA	Environmental and Utility Services	itial Start Date	3rd Qtr. 2018
CSA Outcome		itial End Date	2nd Qtr. 2021
Department		evised Start Date	3rd Qtr. 2019
Location	Trimble Road	evised End Date	2nd Qtr. 2022
Council Districts	s 4 In	itial Project Budget	\$1,460,000
Appropriation	TEMP_152 F	Y Initiated	2019-2020
Description	This project constructs a groundwater well in the North San José service area existing customers.	to provide water supp	ly reliability to
Justification	An existing backup well has begun to reach end of useful life and exceed second standards. This project will replace the existing reliability well.	ondary maximum cont	aminant limit health
Notes			
Major Cost Changes			

Total			360	950	150			1,460		1,460
Post Construction					150			150		150
Construction				950				950		950
Design			360					360		360
			Expenditu	ure Schee	dule (000	s)				
	YEARS	EST						TOTAL	5 YEARS	TOTAL
	PRIOR	FY19	FY20	FY21	FY22	FY23	FY24	5 YEAR	BEYOND	PROJECT

Funding Source Schedule (000s)								
Water Utility Capital Fund (500)	360	950	150	1,460	1,460			
Total	360	950	150	1,460	1,460			

Annual Operating Budget Impact (000s)

2020-2024 Proposed Capital Improvement Program

Detail of Ongoing Construction Projects

Annual Water Main Replacement

CSA CSA Outcome Department Location Council Districts Appropriation	Environmental and Utility Services Safe, Reliable, and Sufficient Water Supply; Reliable Water System Environmental Services System-wide City-wide A410Q	Initial Start Date Initial End Date Revised Start Date Revised End Date Initial Project Budget	Ongoing Ongoing			
Description	ion This project is part of a continuing program to maintain and upgrade the City's Municipal Water distribution system. Most water pipes have a design life of roughly 50 years, depending upon when it was manufactured and the soil conditions where it is installed. The program has prioritized water mains for replacement throughout the service areas of Muni Water System by rating pipe segments based on age, adequacy of size and flow, the number of leaks or failures that have occurred, and the difficulty to repair the pipe if it failed considering location and traffic conditions.					
Justification	To ensure the efficient operation of the water system and to maintain reliable utility infrastructure.					
Notes	Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.					
Major Cost Changes						

	FY19	FY20	FY21	FY22	FY23	FY24	5 YEAR		
	EST						TOTAL		
Expenditure Schedule (000s)									
Design	50	60	80	80			220		
Construction	1,250	1,840	1,220	1,720	2,400	1,900	9,080		
Total	1,300	1,900	1,300	1,800	2,400	1,900	9,300		

Funding Source Schedule (000s)							
Water Utility Capital Fund (500)	1,300	1,900	1,300	1,800	2,400	1,900	9,300
Total	1,300	1,900	1,300	1,800	2,400	1,900	9,300

Annual Operating Budget Impact (000s)

2020-2024 Proposed Capital Improvement Program

Detail of Ongoing Construction Projects

Infrastructure Improvements

CSA	Environmental and Utility Services	Initial Start Date	Ongoing				
CSA Outcome	Reliable Utility Infrastructure	Initial End Date	Ongoing				
Department	Environmental Services	Revised Start Date					
Location	System-wide	Revised End Date					
Council Districts	2, 4, 7, 8	Initial Project Budget					
Appropriation	A5366						
Description	This allocation provides funding to replace and/or refurbish pumps, motors, valves, electrical control mechanisms, generators, and water mains that are nearing the end of their useful lives. The selection and scope of the projects selected in any particular year will be based on the previous year's maintenance needs.						
Justification	Mechanical and electrical equipment requires replacement at the end of	its service life to ensure or	ngoing operation.				
Notes	Project schedule dates and selected budget information are not provided	l due to the ongoing nature	e of this project.				
Major Cost Changes							

	FY19	FY20	FY21	FY22	FY23	FY24	5 YEAR			
	EST						TOTAL			
Expenditure Schedule (000s)										
Design	146									
Construction	889	810	820	830	840	850	4,150			
Total	1,035	810	820	830	840	850	4,150			

Funding Source Schedule (000s)							
Water Utility Capital Fund (500)	1.035	810	820	830	840	850	4.150
Total	1,035	810	820	830	840	850	4,150

Annual Operating Budget Impact (000s)

2020-2024 Proposed Capital Improvement Program

Detail of Ongoing Construction Projects

Meter Installations

CSA CSA Outcome Department Location Council Districts Appropriation	Environmental and Utility Services Reliable Utility Infrastructure Environmental Services System-wide 2, 4, 7, 8 A4347	Initial Start Date Initial End Date Revised Start Date Revised End Date Initial Project Budget	Ongoing Ongoing					
Description	This allocation provides funding to purchase, test, and install water meters for new developments and customers, the cost of which is offset by the meter installation fees paid by developers and property owners.							
Justification	New meters are needed to provide water to new utility customers.							
Notes	Project schedule dates and selected budget information are not provided of	due to the ongoing nature	of this project.					
Major Cost Changes								

	FY19 EST	FY20	FY21	FY22	FY23	FY24	5 YEAR TOTAL		
Expenditure Schedule (000s)									
Construction	176	50	50	50	50	50	250		
Total	176	50	50	50	50	50	250		

Funding Source Schedule (000s)							
Water Utility Capital Fund (500)	176	50	50	50	50	50	250
Total	176	50	50	50	50	50	250

Annual Operating Budget Impact (000s)

2020-2024 Proposed Capital Improvement Program

Detail of Ongoing Construction Projects

Safety and Security Improvements

CSA CSA Outcome Department	Environmental and Utility Services Reliable Utility Infrastructure Environmental Services	Initial Start Date Initial End Date Revised Start Date	Ongoing Ongoing						
Location Council Districts	System-wide	Revised End Date Initial Project Budget							
Appropriation	A4095	initial Project Buuget							
Description	ption This project includes the repair and installation of additional safety and security improvements at various system facilities. Examples of improvements include new and repaired fencing at reservoirs, construction of concrete block walls around wells, and the installation of safety railing at various sites.								
Justification	This project will maintain reliable utility infrastructure, ensure water supple environment for staff performing operations and maintenance.	es remain secured, and p	rovide a safe working						
Notes	Project schedule dates and selected budget information are not provided	due to the ongoing nature	of this project.						
Major Cost Changes									

Total	319	100	100	100	100	100	500		
Construction	319	100	100	100	100	100	500		
Expenditure Schedule (000s)									
	EST						TOTAL		
	FY19	FY20	FY21	FY22	FY23	FY24	5 YEAR		

Funding Source Schedule (000s)							
Water Utility Capital Fund (500)	319	100	100	100	100	100	500
Total	319	100	100	100	100	100	500

Annual Operating Budget Impact (000s)

2020-2024 Proposed Capital Improvement Program

Detail of Ongoing Construction Projects

Service Installations

CSA	Environmental and Utility Servio	ces		Init	al Start Date	Ongoing	a
CSA Outcome	Reliable Utility Infrastructure			Init	ial End Date	Ongoing	g
Department	Environmental Services			Rev	vised Start Date		-
Location	System-wide			Rev	vised End Date		
Council Districts	2, 4, 7, 8			Init	ial Project Budg	get	
Appropriation	A4348				-	-	
Description Justification	This allocation provides funding existing water mains. A portion the work, which is not tied to de boxes, air release valves, and n As development proceeds in the customers. Additional minor co	of this work rela veloper fees, en nain extensions e City, connectio	ited to new dever tails connection in existing servious ons between wat	elopment is paid is to water, servi ce areas to incre ter mains and m	for by develope ce laterals, samp ease the operabi eters are require	r fees. The ro pling stations lity of the sys ed to service r	emainder of , meter tem. new
	ensure a safe drinking water su			1 5	ŗ	·	5
Notes	Project schedule dates and sele	ected budget info	ormation are not	t provided due to	the ongoing na	ture of this pr	oject.
Major Cost Changes							
	FY19 EST	FY20	FY21	FY22	FY23	FY24	5 YEAR TOTAL
		Expenditure	Schedule (00	00s)			

Expenditure Schedule (000s)									
Construction	287	200	200	200	200	200	1,000		
Total	287	200	200	200	200	200	1,000		

Funding Source Schedule (000s)								
Water Utility Capital Fund								
(500)	287	200	200	200	200	200	1,000	
Total	287	200	200	200	200	200	1,000	

Annual Operating Budget Impact (000s)

2020-2024 Proposed Capital Improvement Program

Detail of Ongoing Non-Construction Projects

Advance System Design

Notes	Selected budget information is	s not provided due	e to the ongoing	nature of this p	roject.		
Notes	Selected budget information is	s not provided due	e to the ongoing	nature of this p	roject.		
Description	This allocation funds the design Utility System. Project costs a			or the connectio	n of new develo	pments to the	Water
Appropriation	A4346						
Council Districts							
Department	Environmental Services						
CSA CSA Outcome	Environmental and Utility Serventiable Utility Infrastructure						

Design	200	200	200	200	200	200	1,000
Total	200	200	200	200	200	200	1,000

Funding Source Schedule (000s)									
Water Utility Capital Fund									
(500)	200	200	200	200	200	200	1,000		
Total	200	200	200	200	200	200	1,000		

2020-2024 Proposed Capital Improvement Program

Detail of Ongoing Non-Construction Projects

GIS Support

CSA	Environmental and Utility	Services						
CSA Outcome	Reliable Utility Infrastruct	ure						
Department	Environmental Services							
Council Districts	City-wide							
Appropriation	A7365							
Description	This allocation funds Geo other associated needs.	ographic Ir	formation S	ystem (GIS) rela	ated updates, in	provements, su	ipport services	s, and
Notes	Selected budget informati	ion is not	provided due	e to the ongoing	nature of this p	roject.		
	FY′ ES		FY20	FY21	FY22	FY23	FY24	5 YEAR TOTAL
		=	xpenditure	e Schedule (0	00s)			
Design		65	65	65	65	65	65	325
Maintenance, Rep	oire Other	11						

Funding Source Schedule (000s)									
Water Utility Capital Fund (500)	76	65	65	65	65	65	325		
Total	76	65	65	65	65	65	325		

65

65

65

65

325

65

76

2020-2024 Proposed Capital Improvement Program

Detail of Ongoing Non-Construction Projects

Major Facilities Fee Administration

CSA	Environmental and Utility Services
CSA Outcome	Reliable Utility Infrastructure
Department	Environmental Services
Council Districts	2, 4, 7, 8
Appropriation	A5369
Description	This allocation provides funding to administer the Major Facilities Fees. The Major Facilities Fund receives fees associated with the connection and operation of major water facilities constructed in the North San José, Evergreen, Alviso, Edenvale, and Coyote Valley areas.

	FY19	FY20	FY21	FY22	FY23	FY24	5 YEAR				
	EST						TOTAL				
Expenditure Schedule (000s)											
General Administration	15	15	15	15	15	15	75				
Total	15	15	15	15	15	15	75				

Funding Source Schedule (000s)										
Major Facilities Fund (502)	15	15	15	15	15	15	75			
Total	15	15	15	15	15	15	75			

2020-2024 Proposed Capital Improvement Program

Detail of Ongoing Non-Construction Projects

Master Plan Engineering

5 YEAR TOTAL

850

850

CSA	Environmental and Utility Servi	ices					
CSA Outcome	Reliable Utility Infrastructure						
Department	Environmental Services						
Council Districts	2, 4, 7, 8						
Appropriation	A4349						
Description	This allocation is used to updat consumption.	te the Water Sys	tem Master Plar	n based on antio	cipated develop	ment and cust	omer
Notes	Selected budget information is	not provided due	e to the ongoing	nature of this p	roiect.		
					· - ,		
	FY19	FY20	FY21	FY22	FY23	FY24	5 Y
	FY19 EST	-		FY22		FY24	5 Y TO
		-	FY21 Schedule (0	FY22		FY24	
Project Feasibility	EST	Expenditure	e Schedule (0	FY22 00s)	FY23		
Development	EST 155	-		FY22		FY24 180	
•	EST	Expenditure	e Schedule (0	FY22 00s)	FY23		

Funding Source Schedule (000s)									
Water Utility Capital Fund (500)	165	160	165	170	175	180	850		
Total	165	160	165	170	175	180	850		

2020-2024 Proposed Capital Improvement Program

Detail of Ongoing Non-Construction Projects

Network System Flow Improvements

CSA	Environmental and Utility Se	rvices						
CSA Outcome	Reliable Utility Infrastructure							
Department	Environmental Services							
Council Districts	2, 4, 7, 8							
Appropriation	A4350							
Description	This allocation is used to per system's reservoirs, pump st and development of new fac	ations, and	,		,	, 0	0	es
Notes	Selected budget information	is not provid	ded due to t	he ongoing nati	ure of this proje	ect.		
	EV10	EV	/20	EV24	EV22	EV22	EV24	

	FTIS	F120	FIZI	FIZZ	FIZJ	F124	JIEAN
	EST						TOTAL
		Expenditure	Schedule (0	00s)			
Design	6	6	6	6	6	6	30
Total	6	6	6	6	6	6	30

	Fu	nding Source	e Schedule (0	00s)			
Water Utility Capital Fund (500)	6	6	6	6	6	6	30
Total	6	6	6	6	6	6	30

2020-2024 Proposed Capital Improvement Program

Detail of Ongoing Non-Construction Projects

Preliminary Engineering - Water

CSA CSA Outcome	Environmental and Utility Services Reliable Utility Infrastructure
Department	Environmental Services
Council Districts	5 2, 4, 7, 8
Appropriation	A4952
Description	This allocation provides funding for project development in the early stages of planning.
Notes	Selected budget information is not provided due to the ongoing nature of this project.

	FY19 EST	FY20	FY21	FY22	FY23	FY24	5 YEAR TOTAL
Expenditure Schedule (000s)							
Design	140	145	150	155	160	165	775
Maintenance, Repairs, Other	20						
Total	160	145	150	155	160	165	775

Funding Source Schedule (000s)							
Water Utility Capital Fund (500)	160	145	150	155	160	165	775
Total	160	145	150	155	160	165	775

2020-2024 Proposed Capital Improvement Program

Detail of Ongoing Non-Construction Projects

System Maintenance/Repairs

adget mornation is i		0 0		-		
udget information is r	not provided due	to the ongoing	nature of this p	roject.		
ation funds emergency	/ and miscellane	eous repairs in t	he distribution s	system.		
Environmental Services						
tility Infrastructure						
•	es					
1	2	ntal and Utility Services ility Infrastructure	,	5	,	,

	FY19 EST	FY20	FY21	FY22	FY23	FY24	5 YEAR TOTAL
		Expenditure	Schedule (00	00s)			
Design Equipment, Materials and	72						
Supplies	1,149	740	760	760	780	780	3,820
Total	1,221	740	760	760	780	780	3,820

Funding Source Schedule (000s)							
Water Utility Capital Fund (500)	1,221	740	760	760	780	780	3,820
Total	1,221	740	760	760	780	780	3,820

2019-2020 CAPITAL BUDGET

2020-2024 Capital Improvement Program

WATER UTILITY System

SUMMARY OF RESERVES

Summary of Reserves

Project Name 5-Yr CIP Budget Total Budget Council Districts	North Coyote Valley Water System Reserve \$ 168,000 \$ 168,000 2	Initial Start Date Initial End Date Revised Start Date Revised End Date	N/A N/A
Description	This reserve sets aside funds in the Water Utility Capital Fund for outsta close-out activities, to be completed by the contractor relating to final pro- close-out issues that continue to remain unresolved. The Department p owner and their attorney to obtain the last necessary project documenta	oject documentation. Ther eriodically attempts to cool	e are outstanding project
Project Name	System Growth Related Projects Reserve	Initial Start Date	N/A
5-Yr CIP Budget	\$ 1,600,000	Initial End Date	N/A
Total Budget	\$ 1,600,000	Revised Start Date	
Council Districts	2	Revised End Date	
Description	This reserve sets aside funds in the Major Facilities Fund for acquisition accommodate future system growth and development.	of property and the constr	uction of facilities to
Project Name	System Rehabilitation/Replacement Reserve	Initial Start Date	N/A
5-Yr CIP Budget	\$ 4,338,000	Initial End Date	N/A
Total Budget	\$ 4,338,000	Revised Start Date	
Council Districts	2	Revised End Date	
Description	This reserve sets aside funds in the Water Utility Capital Fund for rehab Ordinance No. 26903, which was approved by the City Council on May annual operating revenues. This reserve is estimated to total \$4.3 millio operating revenue projections through 2023-2024.	27, 2003, requires that this	reserve total 7% of

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