

Public Utilities



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Public Utilities

The Public Utilities Department provides water, wastewater, and recycled water services to approximately 1.4 million water customers and 2.3 million wastewater customers within the San Diego region. The Department's Capital Improvements Program (CIP) supports the infrastructure for reliable water supply, and wastewater collection and treatment.

The water system extends over 404 square miles with potable water deliveries of approximately 175,000 acres feet per year. This system includes 49 water pump stations, 29 treated water storage facilities, nine surface reservoirs, three water treatment plants, and approximately 3,300 miles of pipeline. The Department also manages the recycled water system, which includes three pump stations and 99 miles of purple pipe, delivering an annual average of over 9.5 million gallons per day (MGD) for irrigation, manufacturing, and other non-potable uses.

The wastewater system consists of the Municipal (Muni) System and Metropolitan (Metro) System. The Muni System consists of approximately 3,000 miles of pipelines and 77 sewer pump stations and is primarily used to collect and convey wastewater from residences and businesses in the City of San Diego. The Metro System consists of three wastewater treatment plants, one biosolids processing facility, four large pump stations, and two outfalls.

The system provides treatment and disposal services for the City and 12 other agencies and districts within a 450-square mile area, stretching from Del Mar to the north, Alpine and Lakeside to the east, and San Ysidro to the south.

The Department is constructing an innovative water purification program known as Pure Water San Diego. Pure Water San Diego is an integrated water and wastewater capital improvement program. The program is designed to provide a safe, secure, and sustainable local water supply by turning recycled water into drinkable water using water purification technology.

Funding for water and wastewater projects is provided by a variety of sources which can include bond financing, commercial paper financing, water and sewer rates, state revolving fund loans, and grants. Approximately 33 percent of all Metro Fund expenditures are funded by 12 regional Participating Agencies, made up of Cities and special districts in the San Diego Metropolitan Area.

The CIP includes water projects mandated in the Compliance Order from the California Department of Public Health (CDPH), currently known as the State Water Resources Control Board - Division of Drinking Water (DDW). These projects will meet the requirements of the federal Safe Drinking Water Act. In addition, the Department continues to replace/rehabilitate aging infrastructure in compliance with the Clean Water Act.

2022 CIP Accomplishments

As of May 2022, the Department awarded the replacement and rehabilitation of 4.14 sewer miles and 8.54 water miles. The Department has also televised 133.1 miles of sewer mains as of June 2022. To date, over 2,250 miles of sewer mains have been assessed and more than 824 miles have been identified for replacement or rehabilitation.

The Public Utilities Department, in collaboration with the Engineering & Capital Projects Department, oversees the design and construction of water, wastewater, and recycled water projects. The following accomplishments occurred in Fiscal Year 2022:

- Construction was completed on the Bay Ho Improv 2A Project (B19202), which consisted of replacement of approximately 1.48 miles of existing water mains in the Clairemont Mesa Area.
- Construction was completed on the AC Water & Sewer Group 1011 Project (B15041, B15040), which consisted of replacement of approximately 2.33 miles of existing water mains and approximately

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0.34 miles of existing sewer mains in the La Jolla Area.

- Construction was completed on the Water Group 969 Project (B14100), which included replacement of 1.51 miles of existing water mains in various areas throughout the City of San Diego.
- Construction was completed on the 30th Street Pipeline Replacement Project (S12010), which included replacement of approximately 5.15 miles of existing water mains in the North Park, Greater Golden Hill, Balboa Park, and Southeastern San Diego Areas.
- Construction was completed on the Sewer and AC Water Group 778 Project (B15069, B00388), which included replacement of approximately 5.26 miles of existing water mains and approximately 4.93 miles of existing sewer mains in the Encanto Neighborhoods Area.
- Construction was completed on the Pipeline Rehabilitation AQ-1 Project (B17151), which consisted of rehabilitation of 7.24 miles of existing sewer mains in the Navajo Area.
- Construction was completed on the Pipeline Rehabilitation AV-1 Project (B18062), which consisted of rehabilitation of 6.31 miles of existing sewer mains in the Mid-City: Eastern Area.
- Construction was completed on the AC Water & Sewer Group 1023 Project (B15117), which consisted of replacement of 1.93 miles of existing concrete sewer mains in the North Park and Greater Golden Area.
- Construction was completed on the Tierrasanta (Via Dominique) Pump Station Project (S12040), which included the replacement of 0.57 miles existing water mains in the Tierrasanta Area.
- Construction was completed on the AC Water Group 1059 Project (B18196), which consisted of replacement and installation of approximately 1.64 miles of water mains in the University Area.
- Construction was completed on the AC Water & Sewer Group 1023 Project (B15120), which consisted of replacement of 1.93 miles of existing water mains in the Greater Golden Hill and North Park Area.
- Construction was completed on the Remaining Small Diameter CI Water Phase 3 Project (B17091), which consisted of replacement and new construction of approximately 1.64 miles of water mains in in various areas throughout the City of San Diego.
- Construction was completed on the Rolando Improv 1 Project (B20126), which consisted of replacement of 1.85 miles of existing water mains in the Mid-City: Eastern Area
- Construction continues on the AC Water & Sewer Group 1056 Project (B18182, B18181), which consists of replacement and rehabilitation of approximately 0.26 miles of existing sewer mains and replacement of approximately 3.24 miles of existing water mains in the Tierrasanta Area. The construction is anticipated to be completed in 2023.
- Construction continues on the Accelerated Manhole Referral Group 1 Project (B19097), which consists of replacement or rehabilitation of 57 manholes in various areas throughout the City of San Diego. The construction is anticipated to be completed in 2023.
- Construction continues on the Talmadge AC Water Main Replacement Project (B18197), which consists of replacement of approximately 0.61 miles of existing water mains in the Mid-City: Kensington-Talmadge Area. The construction is anticipated to be completed in 2023.
- Construction continues on the AC Water & Sewer Group 1036 Project (B18121), which consists of replacement of 0.20 miles of water mains in the Mission Bay Park, Pacific Beach, and College Areas.

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The construction is anticipated to be completed in 2023.

- Construction continues on the Clairemont Mesa East Improv 1 Project (B18200, B18202), which consists of replacement of approximately 1.92 miles of existing water mains and 1.62 miles of sewer mains in the Clairemont Mesa Area. The construction is anticipated to be completed in 2023.
- Construction continues on the Kearny Mesa Pipeline Manway Project (B20072), which consists of repairs on the corroded Manways at 3 locations on Kearny Mesa pipeline as a preventive action to eliminate water main break at the location of these Manways in the Pacific Beach Area. The construction is anticipated to be completed in 2023.
- Construction continues on the Damon Ave Water Main Extension & AC Replacement Project (B18215), which consists of construction of approximately 0.22 miles of new water main in the Pacific Beach Area. The construction is anticipated to be completed in 2023.
- Construction continues on the AC Water & Sewer Group 1036 (B18123), which consists of the construction of 0.14 miles of sewer mains in the Mission Bay Park, Pacific Beach, and College Areas. The construction is anticipated to be completed in 2023.
- Construction continues on the Tierrasanta Improv 1 Project (B21003), which consists of the rehabilitation of 2.24 miles of sewer mains in the Tierrasanta Area. The construction is anticipated to be completed in 2023.

The Public Utilities Department has identified the following projects that will assist in achieving the targets set forth within the City's Climate Action Plan:

- Advanced Metering Infrastructure Project (S17008)
- North City Water Reclamation Plant Improvements to 30 MGD project (S17012)
- Pure Water Program (ALA00001)

The following accomplishments were reached on the Pure Water Program:

- Awarded and started construction contracts for the PWP North City Water Reclamation Plant Expansion (B21060 & B21128) & NCWRP Influent Pump Station and Pipeline (B16140), the Flow Equalization Basin (B21059), and Metro Biosolids Center Improvements (B17006)
- Completed construction on the early site work at the North City Water Reclamation Plant (B21060 & B21128) and North City Pure Water Facility (B15139)
- Started construction on North City Pure Water Facility (B15139) and Pure Water Pump station (B15140), Pure Water Pipeline (B16035) and Dechlorination Facility, PWP Morena Wastewater Pump Station (B21061), and Morena Conveyance Northern Alignment (B15141)
- Advertised the Miramar Reservoir Pump Station Improvement Project (B17190), PWP Morena Conveyance Southern Alignment (B15141), and Morena Conveyance Middle Alignment (B15141), and the Penasquitos Pump Station Oxygenation System for construction (B21001)
- Started and completed 100% design of PWP Phase 2 Central Area Small-Scale Facility (B21151)
- Started Pure Water Independent Advisory Panel activities for PWP Phase 2 regulatory topics and discussions.
- Received State Revolving Fund loans for Pure Water Phase 1

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2023 CIP Goals

In order to achieve the Public Utilities Department goal to provide safe drinking water and to improve its aging infrastructure, the Public Utilities Department continues to award the replacement and rehabilitation of 40 sewer miles and 35 water miles per fiscal year. These capital needs are based on condition assessment results, future demand projections, policies, and regulatory requirements to continue providing reliable service to our customers.

Public Utilities has developed a robust condition assessment program to provide comprehensive assessment coverage for water and wastewater infrastructure including water transmission lines, dams, reservoirs, and large diameter wastewater pipelines. The Department is in the process of creating an integrated master plan to look comprehensively at all infrastructure managed by the Department. In addition, the Department continues its ongoing condition assessment efforts including inspection of 60 to 70 miles of sewer mains per fiscal year. The department anticipates making significant progress on preliminary engineering on a replacement of the Lakes Hodges Dam and starting several key technology projects focused on the Department's Distributed Control Systems in 2023.

In Fiscal Year 2023, the Department anticipates accomplishing the following goals for the Pure Water Program:

- Continue construction on the PWP North City Water Reclamation Plant Expansion (B21060) & NCWR Influent Pump Station and Pipeline (B16140), the Flow Equalization Basin (B21059), Metro Biosolids Center Improvements (B17006), Morena Pump Station (B21061), Morena Conveyance Northern Alignment (B15141), North City Pure Facility (B15139) and Pure Water Pump Station (B15140), and the NCPW Pipeline (B16035) and Dechlorination Facility
- Advertise for construction bids and start construction of Pure Water Phase 2 Central Area Small-Scale Facility (B21151)
- Continue activities for the Pure Water Independent Advisory Panel
- Start construction on the remaining Phase 1 construction packages: Miramar Reservoir Pump Station Improvements (B17190), PWP Morena Conveyance Southern Alignment (B15141), and Morena Conveyance Middle Alignment (B15141) as well as the Penasquitos Pump Station Oxygenation System (B21001)

Public Utilities: Capital Improvement Projects

Project	Prior Fiscal Years	FY 2023 Adopted	Future Fiscal Years	Project Total
30th Street Pipeline Replacement / S12010	\$ 33,503,592	\$ -	\$ -	\$ 33,503,592
69th & Mohawk Pump Station / S12011	15,588,594	1,250,000	-	16,838,594
Advanced Metering Infrastructure / S17008	73,996,101	-	52,539,224	126,535,325
Alvarado 2nd Extension Pipeline / S12013	16,724,242	35,500,000	72,775,758	125,000,000
Alvarado Laboratory Improvements / L22000	300,000	5,855,000	85,045,000	91,200,000
Alvarado Trunk Sewer Phase IV / S15019	37,080,000	-	35,270,000	72,350,000
Chollas Building / S11025	42,951,475	-	(939,914)	42,011,561
Cielo & Woodman Pump Station / S12012	5,878,000	3,000,000	2,162,973	11,040,973
Corrosion Control / AKA00001	500,000	-	100,000	600,000
Dams & Reservoirs Security Improvements / S22013	4,668,151	1,328,709	16,563,140	22,560,000
El Camino Real Pipeline / S23000	-	500,000	8,600,000	9,100,000
El Monte Pipeline No 2 / S10008	6,448,000	6,200,000	12,351,951	24,999,951
EMTS Boat Dock Esplanade / S00319	3,430,851	-	-	3,430,851
Enviro Monitoring Tech Svcs Div Lab Remodel at NTC / S21003	2,000,000	3,000,000	28,290,000	33,290,000
Freeway Relocation / AKB00002	2,372,000	-	-	2,372,000
Groundwater Asset Development Program / ABM00001	495,329	-	-	495,329
Harbor Drive Trunk Sewer / S18006	21,045,001	5,454,999	17,700,000	44,200,000
Instrumentation and Control / AKB00007	200,000	-	-	200,000
Kearny Mesa Trunk Sewer / S20000	5,500,000	300,000	19,068,300	24,868,300
Kearny Villa Rd Pipeline / S23001	-	500,000	47,900,000	48,400,000
La Jolla Scenic Drive 16inch Main / S12009	12,348,000	-	-	12,348,000
La Jolla View Reservoir / S15027	6,217,501	-	29,535,276	35,752,777
Lake Hodges Dam Replacement / S23002	-	500,000	149,500,000	150,000,000
Lakeside Valve Station Replacement / S22003	17,590,000	5,617,782	19,189,323	42,397,105
Large Diameter Water Transmission PPL / AKA00003	54,081,414	10,898,319	61,747,872	126,727,605
MBC Equipment Upgrades / S17013	42,256,844	6,245,622	6,389,247	54,891,713
Metropolitan System Pump Stations / ABP00002	5,611,270	1,620,000	23,627,174	30,858,444
Metropolitan Waste Water Department Trunk Sewers / AJB00001	15,610,285	2,200,000	20,978,944	38,789,229
Metro Treatment Plants / ABO00001	30,906,941	14,110,687	13,245,918	58,263,546
Miramar Clearwell Improvements / S11024	120,328,744	-	-	120,328,744
Montezuma/Mid-City Pipeline Phase II / S11026	32,092,200	-	31,000,000	63,092,200
Morena Pipeline / S16027	38,736,153	12,077,110	22,917,751	73,731,014
Murphy Canyon Trunk Sewer Repair/Rehab / S22014	3,957,388	4,000,000	31,114,612	39,072,000
NCWRP Improvements to 30 mgd / S17012	24,837,685	9,445,956	6,542,090	40,825,731
North/South Metro Interceptors Rehabilitation / S22001	-	500,000	25,500,000	26,000,000
Otay 1st/2nd PPL West of Highland Avenue / S12016	29,440,500	-	-	29,440,500
Otay 2nd Pipeline Phase 4 / S20001	4,150,000	-	33,858,900	38,008,900
Otay 2nd Pipeline Steel Replacement Ph 5 / S21000	1,100,000	2,000,000	17,029,000	20,129,000
Otay Second Pipeline Relocation-PA / S15016	13,096,171	7,750,000	7,247,053	28,093,224
Otay Water Treatment Plant Upgrade Ph 3 / S23003	-	500,000	31,500,000	32,000,000
Pacific Beach Pipeline South (W) / S12015	44,359,933	-	-	44,359,933
Pipeline Rehabilitation / AJA00002	86,511,439	4,369,229	24,421,310	115,301,978
Pressure Reduction Facility Upgrades / AKA00002	5,192,224	200,000	32,464,027	37,856,251

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Project	Prior Fiscal Years	FY 2023 Adopted	Future Fiscal Years	Project Total
PS2 Power Reliability & Surge Protection / S00312	76,100,800	-	-	76,100,800
Pump Station Restorations / ABP00001	14,986,653	-	302,396	15,289,049
Pure Water Phase 2 / ALA00002	3,536,568	36,000,000	3,460,663,431	3,500,199,999
Pure Water Pooled Contingency / P19002	44,564,745	37,000,000	29,071,943	110,636,688
PURE Water Program / ALA00001	975,288,269	276,000,000	225,139,837	1,476,428,106
Rancho Bernardo Industrial Pump Stn Replacement / S21004	2,400,000	500,000	10,148,000	13,048,000
Recycled Water Systems Upgrades / AHC00004	50,000	-	-	50,000
SBWR Plant Demineralization / S00310	5,716,911	-	-	5,716,911
Sewer CIP Emergency Reserve / ABT00007	10,000,000	-	-	10,000,000
Sewer Main Replacements / AJA00001	364,686,692	66,884,337	265,528,258	697,099,287
South San Diego Reservoir Replacement / S23004	-	500,000	45,100,000	45,600,000
Standpipe and Reservoir Rehabilitations / ABL00001	25,436,940	2,300,000	32,774,271	60,511,211
Tecolote Canyon Trunk Sewer Improvement / S15020	20,180,000	16,000,000	11,820,000	48,000,000
TH 16" Water Mains / RD21007	338,137	-	-	338,137
Tierrasanta (Via Dominique) Pump Station / S12040	18,918,996	-	-	18,918,996
University Ave Pipeline Replacement / S11021	29,300,000	-	-	29,300,000
University Heights Reservoir Rehabilitation / S20002	2,000,000	-	16,200,000	18,200,000
Unscheduled Projects / AJA00003	1,500,899	-	-	1,500,899
Upas St Pipeline Replacement / S11022	36,265,020	-	-	36,265,020
Water & Sewer Group Job 816 (W) / S13015	18,199,392	-	-	18,199,392
Water CIP Emergency Reserve / ABT00008	5,000,000	-	-	5,000,000
Water Main Replacements / AKB00003	516,734,525	98,897,872	340,398,380	956,030,777
Water Pump Station Restoration / ABJ00001	29,906,119	-	29,124,363	59,030,482
Water SCADA IT Upgrades / T22001	1,700,000	2,500,000	11,900,000	16,100,000
Water Treatment Plants / ABI00001	9,021,502	1,000,000	5,574,174	15,595,676
Total	\$ 3,072,938,196	\$ 682,505,622	\$ 5,468,979,982	\$ 9,224,423,800

Public Utilities – Preliminary Engineering Projects

Pure Water Pooled Contingency / P19002

Priority Category: High

Priority Score: 85

Expenditure by Funding Source					
Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	Project
Metro Sewer Utility - CIP Funding Source	700009	\$ -	\$ 16,985,155	\$ 17,000,000	\$ 44,571,145
Water Utility - CIP Funding Source	700010	-	27,579,590	20,000,000	66,065,543
Total		\$ -	\$ 44,564,745	\$ 37,000,000	\$ 110,636,688



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30th Street Pipeline Replacement / S12010

Water - Distribution Sys - Transmission

Council District:	3 8	Priority Score:	93
Community Planning:	Greater North Park; Greater Golden Hill; Southeastern San Diego	Priority Category:	Medium
Project Status:	Warranty	Contact Information:	Ramos-Banuelos, Jaime
Duration:	2014 - 2024		619-533-5103
Improvement Type:	Replacement		jramosbanuel@sandiego.gov

Description: This project will replace approximately 5.11 miles of existing cast iron mains from Polk Avenue to Commercial Street. Also, it will update the transmission and distribution system in the University Heights (390 Zone) to meet its current and future needs.

Justification: This project will replace the cast iron pipe, provide supply reliability to the south end of the 390 Zone and improve water quality.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the Greater North Park, Greater Golden Hill, and Southeastern San Diego Community Plans and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2015 and was completed in Fiscal Year 2018. Construction began in Fiscal Year 2018 and was completed in Fiscal Year 2022.

Summary of Project Changes: The total project cost increased by \$2.5 million due to unforeseen utility conflicts, unforeseen poor soil conditions, redesign of pipeline bridge crossing which required additional construction support and street damage fee. \$2.5 million of Water Utility - CIP funding was allocated to this project in Fiscal Year 2022 via City Council resolution. The project schedule has been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 31,614,896	\$ 1,888,695	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 33,503,592
Water Utility Operating Fund	700011	1,163	(1,163)	-	-	-	-	-	-	-	-	-
Total		\$ 31,616,059	\$ 1,887,532	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 33,503,592

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69th & Mohawk Pump Station / S12011

Bldg - Water - Pump Stations

Council District:	4 9	Priority Score:	96
Community Planning:	College Area; Mid-City: Eastern Area	Priority Category:	High
Project Status:	Continuing	Contact Information:	Van Martin, Debbie
Duration:	2013 - 2024		619-533-6651
Improvement Type:	Expansion		dvanmartin@sandiego.gov

Description: This project will construct a new pump station at the corner of 69th Street and Mohawk Street. The new pump station will feed the 645 Redwood Village Pressure Zone.

Justification: This project will replace the existing 40-year-old Montezuma Pump Station for Redwood Village which is reaching the end of its lifecycle.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with College Area and Mid-City: Eastern Area Community Plans and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2015 and was completed in Fiscal Year 2017. Construction began in Fiscal Year 2018 and is anticipated to be completed in Fiscal Year 2024.

Summary of Project Changes: The total project costs increased by \$1.3 million due to unforeseen conditions. The project schedule has been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 15,561,224	\$ 27,369	\$ 1,250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,838,594
Total		\$ 15,561,224	\$ 27,369	\$ 1,250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,838,594

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Advanced Metering Infrastructure / S17008

Bldg - Other City Facility / Structures

Council District:	Citywide	Priority Score:	59
Community Planning:	Citywide	Priority Category:	Low
Project Status:	Continuing	Contact Information:	Arnold, Jane
Duration:	2017 - 2031		858-614-4517
Improvement Type:	Betterment		jarnold@sandiego.gov

Description: This project deploys Advanced Metering Infrastructure (AMI) technology to approximately 280,000 water meters citywide. The AMI technology allows water meters to be read electronically rather than by direct visual inspection by field staff, which improves the accuracy of the meter reads. AMI offers several benefits, including mitigating human error in meter readings, automatically detecting leaks, and allowing customers to monitor their own hourly water consumption. This enhances customer service and assists customers with water conservation. This project also helps to implement the City's Climate Action Plan.

Justification: This project streamlines the collection of water meter information, provides near real time data, assists with promptly solving water usage and billing questions and provides customers with a tool to conserve and manage their water consumption.

Operating Budget Impact: None

Relationship to General and Community Plans: This project is consistent with applicable community plans, is in conformance with the City's General Plan and helps to implement the City's Climate Action Plan.

Schedule: Design began in Fiscal Year 2012, which carried out an initial Pilot Program of approximately 11,000 metered connections between Fiscal Years 2013 – 2015. In Fiscal Year 2019 the citywide AMI implementation approach, project budget and timeline for the remaining approximately 270,000 meters were re-evaluated to address productivity issues and take corrective actions, as needed, to guide the rest of the AMI implementation. The revised AMI implementation approach will engage third-party contracted professional management and construction installation services, which will adjust the assumed project schedule. It is assumed that the awarding of this contract, as well as any necessary budget adjustments associated with the contract will be presented to City Council in a standalone item.

Summary of Project Changes: No significant changes have been made to this project in Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Grant Fund-Enterprise-Federal	710000	\$ 7,283	\$ 992,395	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 999,679
Muni Sewer Utility - CIP Funding Source	700008	11,993,408	9,905,518	-	5,353,495	6,683,035	3,725,238	-	-	-	-	37,660,694
Water Utility - CIP Funding Source	700010	28,693,240	22,404,255	-	12,491,486	15,593,747	8,692,223	-	-	-	-	87,874,952
Total		\$ 40,693,931	\$ 33,302,169	\$ -	\$ 17,844,981	\$ 22,276,782	\$ 12,417,461	\$ -	\$ -	\$ -	\$ -	\$ 126,535,325

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Alvarado 2nd Extension Pipeline / S12013

Water - Distribution Sys - Transmission

Council District:	2 7	Priority Score:	95
Community Planning:	Mission Valley; Mission Bay Park; Linda Vista	Priority Category:	High
Project Status:	Continuing	Contact Information:	Ramos-Banuelos, Jaime
Duration:	2016 - 2028		619-533-5103
Improvement Type:	Expansion		jramosbanuel@sandiego.gov

Description: The Alvarado 2nd Extension Pipeline project is proposing to build a new 48-inch and a 24-inch main, extending the existing Alvarado 2nd Pipeline westerly, connecting to the new 20-inch Pacific Beach Pipeline along West Mission Bay Dr. (approx. 6.42 miles). A 536 to 390 HGL Pressure Reducing Station (PRS) will be built along the new 30-inch pipeline at the Friars Rd. and Napa St. intersection. This project includes the replacement of all parallel 16-inch AC water mains. The AC mains run along Friars Rd. between Morena Blvd. and East of Mission Center Rd. (approx. 3.90 miles). Total length of this project is approximately 10.32 miles.

Justification: This project was driven by the need to provide redundant transmission to the coastal zones of La Jolla and Pacific Beach for supply reliability. The proposed Alvarado 2nd Pipeline Extension will be the main feed to Pacific Beach Zones. With the new pipeline feeding from the Alvarado Water Treatment Plant (WTP), the San Diego County Water Authority (CWA) treated water intake at San Diego Connection #11, which currently feeds those zones will be greatly reduced. This will also provide supply flexibility between the Alvarado and Miramar WTP Service Areas.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the Mission Valley, Linda Vista, and Mission Bay Park Community Plans and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2018 and is anticipated to be completed in Fiscal Year 2023. Construction is scheduled to begin in Fiscal Year 2024 and is anticipated to be completed in Fiscal Year 2028.

Summary of Project Changes: The project schedule has been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 8,609,847	\$ 8,114,394	\$ 35,500,000	\$ -	\$ 240,000	\$ 35,000,000	\$ 32,000,000	\$ 4,535,758	\$ 1,000,000	\$ -	\$ 125,000,000
Total		\$ 8,609,847	\$ 8,114,394	\$ 35,500,000	\$ -	\$ 240,000	\$ 35,000,000	\$ 32,000,000	\$ 4,535,758	\$ 1,000,000	\$ -	\$ 125,000,000

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Alvarado Laboratory Improvements / L22000

Bldg - MWWWD - Laboratories

Council District:	7	Priority Score:	85
Community Planning:	Navajo	Priority Category:	Medium
Project Status:	Continuing	Contact Information:	Aberra, Nitsuh
Duration:	2022 - 2029		619-533-3167
Improvement Type:	Betterment		naberra@sandiego.gov

Description: This project will renovate Alvarado Laboratory to meet State of CA Environmental Laboratory Accreditation Program (ELAP) standards. Phase 1 includes the construction of a new lab building to increase footprint capacity from 52,595 to 73,115 square feet. New lab spaces shall create an 'open design concept' to increase opportunities for communication and collaboration to house the City's drinking water and wastewater chemistry and biology labs. In addition, new space capacity will also accommodate Industrial Wastewater Control Program and Water Systems Operation (WSO) Division staff at Alvarado. Phase 2 includes the improvement and retrofitting of the existing lab building and relocation of employees from the existing lab to the new building. In Fiscal Year 2022, this project was converted from standalone project S22000 to an L-project.

Justification: ELAP standards are required to be met for the labs to analyze samples for multiple regulatory programs; failure to meet these standards could jeopardize laboratory certifications, effectively preventing the laboratories from conducting permit-required analyses. Lab testing groups can be reorganized to share common equipment, thus reducing needs for additional lab equipment. Labs shall have independently functioning climate control systems to minimize possibility of contamination from other lab systems.

Operating Budget Impact: As the project develops and progresses, operating impacts will be identified.

Relationship to General and Community Plans: This project is consistent with the Navajo neighborhood and is in compliance with the City's General Plan.

Schedule: Design of Phase 1 is scheduled to begin in 2023 and construction of Phase 1 is anticipated to be completed in 2028. Design of Phase 2 is scheduled to begin 2023 and construction of Phase 2 is to be determined.

Summary of Project Changes: This project was previously published as S22000 - Alvarado Laboratory Improvements.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ -	\$ -	\$ 2,446,000	\$ -	\$ 2,978,000	\$ 4,016,000	\$ 10,235,000	\$ 16,805,000	\$ -	\$ -	\$ 36,480,000
Muni Sewer Utility - CIP Funding Source	700008	-	-	1,469,000	-	1,768,000	2,414,000	6,349,000	9,890,000	-	-	21,890,000
Water Utility - CIP Funding Source	700010	106,473	193,527	1,940,000	-	2,390,000	3,570,000	9,585,000	15,045,000	-	-	32,830,000
Total		\$ 106,473	\$ 193,526	\$ 5,855,000	\$ -	\$ 7,136,000	\$ 10,000,000	\$ 26,169,000	\$ 41,740,000	\$ -	\$ -	\$ 91,200,000

Public Utilities

Alvarado Trunk Sewer Phase IV / S15019

Wastewater - Collection Sys - Trunk Swr

Council District:	7 9	Priority Score:	84
Community Planning:	Navajo; College Area	Priority Category:	Medium
Project Status:	Continuing	Contact Information:	Jaro, Janice
Duration:	2015 - 2029		619-533-3851
Improvement Type:	Replacement		jjaro@sanidiego.gov

Description: This project replaces and upsizes 3.12 miles of the Alvarado Trunk Sewer to provide additional capacity.

Justification: This trunk sewer will be upgraded with a larger pipe to improve capacity and condition.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the Navajo and College Area Community Plans and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2016 and was completed in Fiscal Year 2020. Construction is scheduled to begin in Fiscal Year 2023 and is anticipated to be completed in Fiscal Year 2027. The construction schedule has been delayed due to ongoing easement acquisitions.

Summary of Project Changes: The project cost increased \$5.4 million due to a revised construction estimate. The project schedule has been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Muni Sewer Utility - CIP Funding Source	700008	\$ 6,242,810	\$ 30,837,189	\$ -	\$ -	\$ 14,809,000	\$ 11,780,000	\$ 8,681,000	\$ -	\$ -	\$ -	\$ 72,350,000
Total		\$ 6,242,810	\$ 30,837,189	\$ -	\$ -	\$ 14,809,000	\$ 11,780,000	\$ 8,681,000	\$ -	\$ -	\$ -	\$ 72,350,000

Public Utilities

Chollas Building / S11025

Bldg - Operations Facility / Structures

Council District:	4	Priority Score:	77
Community Planning:	Mid-City: Eastern Area	Priority Category:	Medium
Project Status:	Warranty	Contact Information:	Lewis, Nikki
Duration:	2010 - 2024		619-533-6653
Improvement Type:	Replacement		nlewis@sanidiego.gov

Description: This project will construct two new buildings: one two-story building for administration staff and a one-story maintenance shop. In addition, new compartment material storage bins will be constructed.

Justification: This project will allow for Water Operations Division to consolidate their staff in one central facility. The existing facility is not adequate for current needs and has surpassed the intended useful life of the structure.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the existing use as referenced in Mid-City Area Community Plan.

Schedule: Design and construction began in Fiscal Year 2017 and was completed in Fiscal Year 2021.

Summary of Project Changes: Total project cost decreased by \$4.0 million due to reduced construction costs. \$3.1 million in Water Utility - CIP funding was removed from this project in Fiscal Year 2022 via City Council resolution. The project schedule has been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 42,248,978	\$ 452,022	\$ -	\$ (939,914)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 41,761,086
Water Utility Operating Fund	700011	250,475	-	-	-	-	-	-	-	-	-	250,475
Total		\$ 42,499,453	\$ 452,022	\$ -	\$ (939,914)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 42,011,561

Public Utilities

Cielo & Woodman Pump Station / S12012

Bldg - Water - Pump Stations

Council District:	4	Priority Score:	87
Community Planning:	Southeastern (Encanto Neighborhoods)	Priority Category:	High
Project Status:	Continuing	Contact Information:	Ammerlahn, Parita
Duration:	2014 - 2026		619-533-5406
Improvement Type:	Expansion		pammerlahn@sandiego.gov

Description: This project provides for the replacement of the existing Cielo and Woodman Pump Station with an 11 MGD capacity pump station and a backup generator. The Cielo & Woodman Pump Station works in conjunction with the Paradise Mesa Standpipe and three pressure regulating stations which are fed by San Diego County Water Authority connection SD#19.

Justification: This replacement of the existing deteriorating pump station will expand capacity and improve efficiency and reliability of the water system.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the Southeastern (Encanto Neighborhoods) Community Plan and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2015 and is anticipated to be completed in Fiscal Year 2023. Construction is scheduled to begin in Fiscal Year 2024 and is anticipated to be completed in Fiscal Year 2026.

Summary of Project Changes: Total project cost has increased by \$4.2 million due to current construction industry estimates. The project schedule and justification have been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 2,344,653	\$ 3,533,346	\$ 3,000,000	\$ -	\$ 1,000,000	\$ 1,162,973	\$ -	\$ -	\$ -	\$ -	\$ 11,040,973
Total		\$ 2,344,653	\$ 3,533,346	\$ 3,000,000	\$ -	\$ 1,000,000	\$ 1,162,973	\$ -	\$ -	\$ -	\$ -	\$ 11,040,973

Public Utilities

Corrosion Control / AKA00001

Water - Distribution Sys - Transmission

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Phung, Tung
Duration:	2010 - 2040		858-292-6425
Improvement Type:	Replacement		tphung@sandiego.gov

Description: This annual allocation provides for renovating or replacing deteriorating corrosion control and monitoring systems throughout the City.

Justification: Deteriorating corrosion control and monitoring systems are in need of rehabilitation. This annual allocation provides for an ongoing program to rehabilitate over 600 existing corrosion protection stations.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with applicable community plans and is in conformance with the City's General Plan.

Schedule: Projects will be scheduled on a priority basis.

Summary of Project Changes: Total project cost has increased due to updates to the cost and schedule of subprojects.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 79,258	\$ 420,741	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600,000
Total		\$ 79,258	\$ 420,741	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600,000

Public Utilities

Dams & Reservoirs Security Improvements / S22013

Bldg - Water - Reservoirs/Dams

Council District:	Citywide	Priority Score:	75
Community Planning:	Citywide	Priority Category:	Medium
Project Status:	New	Contact Information:	Van Martin, Debbie
Duration:	2022 - 2027		619-533-6651
Improvement Type:	Replacement		dvanmartin@sandiego.gov

Description: Security improvement is required to be performed at ten City-owned and operated dams to improve security and protect the raw water supply across the San Diego Region including physical and electronic security. The project was converted from sublet B21067 (ABL00001 Standpipe & Reservoir Rehabilitations) to a standalone CIP in Fiscal Year 2022.

Justification: The City of San Diego owns and operates 10 dams and reservoirs (lakes) to store water for use when needed. While some monitoring and guarding elements are already in place and operating, there are additional security improvements that can be implemented to augment the existing security elements. This project will add physical and electronic security measures and a wireless microwave communication system to further secure the safety and security of this critical infrastructure, preventing potential loss of life should any of these facilities catastrophically fail.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with applicable community plans and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2021 and is anticipated to be completed in Fiscal Year 2024. Construction is scheduled to begin in Fiscal Year 2024 and is anticipated to be completed in Fiscal Year 2026.

Summary of Project Changes: The total project cost exceeds the threshold for a sublet project and, in Fiscal Year 2022, was converted from sublet project under B21067 (ABL00001 Standpipe & Reservoir Rehabilitations) to a standalone CIP. This is a newly published project for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 1,485,189	\$ 3,182,961	\$ 1,328,709	\$ -	\$ 7,560,000	\$ 7,000,000	\$ 2,003,140	\$ -	\$ -	\$ -	\$ 22,560,000
Total		\$ 1,485,189	\$ 3,182,961	\$ 1,328,709	\$ -	\$ 7,560,000	\$ 7,000,000	\$ 2,003,140	\$ -	\$ -	\$ -	\$ 22,560,000

Public Utilities

El Camino Real Pipeline / S23000

Water - Distribution Sys - Distribution

Council District:	1	Priority Score:	92
Community Planning:	Carmel Valley; Fairbanks Country Club; Via De La Valle; N Cty Future Urbanizing Area - Subarea 2	Priority Category:	Low
Project Status:	New	Contact Information:	Aberra, Nitsuh
Duration:	2023 - 2027		619-533-3167
Improvement Type:	New		naberra@sanidiego.gov

Description: This project will install new 6,670 linear feet 16-inch PVC pipeline from 24-inch Cement Mortar Lined and Coated Steel (CMLCS) El Camino Real Pipeline near Rosecroft Way to proposed 16-inch PVC Via De La Valle Pipeline. Other improvements include replacing valves with spools at El Camino Real and Sea Country Pressure Reducing Station (PRS), installing new El Camino Real and Modena #2 PRS next to existing El Camino West of Modena PRS, connecting new PRS to both 24-inch and 12-inch pipelines, adding 12-inch PVC connection from existing El Camino West of Modena PRS to 12-inch Asbestos Cement pipeline and upsizing Half Mile & Land Fair PRS from 10-inch and 2-inch to dual 12-inch pipelines.

Justification: To provide water service to the Via De La Valle Pipeline.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the Carmel Valley, Fairbanks Country Club, NCFUA Subarea II and Via De La Valle neighborhoods and is in conformance with the City's General Plan.

Schedule: Design is scheduled to begin in Fiscal Year 2023 and construction is anticipated to begin in Fiscal Year 2025.

Summary of Project Changes: This is a new project for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ -	\$ -	\$ 500,000	\$ -	\$ 1,100,000	\$ 2,900,000	\$ 3,400,000	\$ 1,200,000	\$ -	\$ -	\$ 9,100,000
Total		\$ -	\$ -	\$ 500,000	\$ -	\$ 1,100,000	\$ 2,900,000	\$ 3,400,000	\$ 1,200,000	\$ -	\$ -	\$ 9,100,000

Public Utilities

El Monte Pipeline No 2 / S10008

Water - Distribution Sys - Distribution

Council District:	7 Non-City	Priority Score:	91
Community Planning:	Navajo; Non City	Priority Category:	Low
Project Status:	Continuing	Contact Information:	Ammerlahn, Parita
Duration:	2018 - 2027		619-533-5406
Improvement Type:	Replacement - Rehab		pammerlahn@sandiego.gov

Description: This project consists of the replacement of pipeline segments and tunnel repair to the El Monte Pipeline. This project also includes spot repair of the pipeline walls and joints, and air/vacuum relief valves adjustment.

Justification: The replacement and repairs are needed to mitigate the potential of a pipeline failure and reduce leakage. The project allows for more reliable operation of the pipeline and therefore facilitate water transports between the San Vicente and El Capitan Reservoir to Lake Murray and the Alvarado Water Treatment Plant.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the community plan guidelines for Lakeside and Navajo, including the general and specific plans for the cities of El Cajon, La Mesa, and Santee.

Schedule: Condition assessment began in Fiscal Year 2014 and was completed in Fiscal Year 2016. Design began in Fiscal Year 2020 and is anticipated to be completed in Fiscal Year 2023. Construction is scheduled to start in Fiscal Year 2023 and is anticipated to be completed in Fiscal Year 2026.

Summary of Project Changes: The project description and schedule have been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 5,925,549	\$ 521,471	\$ 6,200,000	\$ -	\$ 7,299,951	\$ 3,027,000	\$ 2,025,000	\$ -	\$ -	\$ -	\$ 24,998,971
Water Utility Operating Fund	700011	979	-	-	-	-	-	-	-	-	-	979
Total		\$ 5,926,528	\$ 521,471	\$ 6,200,000	\$ -	\$ 7,299,951	\$ 3,027,000	\$ 2,025,000	\$ -	\$ -	\$ -	\$ 24,999,951

Public Utilities

EMTS Boat Dock Esplanade / S00319

Bldg - MWWWD - Laboratories

Council District:	2	Priority Score:	81
Community Planning:	Peninsula	Priority Category:	Medium
Project Status:	Continuing	Contact Information:	Choi, Jong
Duration:	2018 - 2026		619-533-5493
Improvement Type:	New		jchoi@sanidiego.gov

Description: This project provides for the design and construction of the Environmental Monitoring and Technical Services (EMTS) Laboratory Boat esplanade. Approximately 33 percent of all Metro Sewer Utility Fund expenditures related to this project are funded by Participating Agencies.

Justification: Per the terms of the land transfer from the Federal Government, Public Utilities Department (PUD) designed and constructed a 40,000 square foot ocean monitoring laboratory which is now in operation. This project will fulfill the City's commitment to develop the esplanade as required.

Operating Budget Impact: Non-personnel expenditures for lease of boat dock space at Driscoll's Wharf will decrease by \$14,040 when the project is complete.

Relationship to General and Community Plans: This project is consistent with the Peninsula Community Plan and is in conformance with the City's General Plan.

Schedule: Design was completed in Fiscal Year 2021. Additional landscaping design is required per the Coastal Commission and is anticipated to be complete in Fiscal Year 2023. Construction is anticipated to begin in Fiscal Year 2023 and be completed in Fiscal Year 2024.

Summary of Project Changes: The project schedule has been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 865,033	\$ 2,565,817	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,430,851
Total		\$ 865,033	\$ 2,565,817	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,430,851

Operating Budget Impact

Department - Fund	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Metro Wastewtr Metro - METRO SEWER UTILITY	FTEs 0.00	0.00	0.00	0.00	0.00
Metro Wastewtr Metro - METRO SEWER UTILITY	Total Impact \$ -	(14,040)	(14,040)	(14,040)	(14,040)

Public Utilities

Enviro Monitoring Tech Svcs Div Lab Remodel at NTC / S21003

Bldg - MWWDD - Laboratories

Council District:	2	Priority Score:	85
Community Planning:	Peninsula	Priority Category:	Medium
Project Status:	Continuing	Contact Information:	Lozano, Edgar
Duration:	2021 - 2033		619-533-6613
Improvement Type:	Betterment		elozano@sandiego.gov

Description: This project will renovate, remodel, and reconfigure existing office and laboratory spaces, upgrade the structural system at strategic locations, and construction of a new high bay Ocean Operations building, including site improvement of existing parking lot on the Public Utilities, EMTS Division Lab located at the Naval Training Center (NTC) facility.

Justification: Upgrade and remodel offices and laboratory spaces to increase functionality, address recurring HVAC and mechanical issues, comply with structural and seismic code. The remodeled facility aims to comply with the State of California Environmental Laboratory Accreditation Program (ELAP) standards for a lab testing facility and to achieve the LEED Silver for Commercial Interiors.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the Peninsula Plan and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2021 and is scheduled to be completed in Fiscal Year 2025. Construction is scheduled to begin in Fiscal Year 2026 and is anticipated to be completed in Fiscal Year 2030. Post-construction phase is anticipated to be completed in Fiscal Year 2033.

Summary of Project Changes: Total project cost has increased by \$6.4 million in Fiscal Year 2023 due to an increased scope that includes temporary trailers and IT equipment installation as well as an increase in cost estimates. \$800,000 of Metro Sewer Utility - CIP funding has been allocated to this project in Fiscal Year 2022 via City Council resolution. The project schedule has been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 392,721	\$ 1,607,278	\$ 3,000,000	\$ -	\$ 1,120,000	\$ 23,778,770	\$ 900,000	\$ 900,000	\$ 1,591,230	\$ -	\$ 33,290,000
Total		\$ 392,721	\$ 1,607,278	\$ 3,000,000	\$ -	\$ 1,120,000	\$ 23,778,770	\$ 900,000	\$ 900,000	\$ 1,591,230	\$ -	\$ 33,290,000

Public Utilities

Freeway Relocation / AKB00002

Water - Distribution Sys - Distribution

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Phung, Tung
Duration:	2010 - 2040		858-292-6425
Improvement Type:	Replacement		tphung@sandiego.gov

Description: This annual allocation provides funding to relocate water lines in conflict with highway construction zones.

Justification: Waterline relocation is required by the State Department of Transportation's effort to expand the State Highway System. Relocation projects are accomplished in conjunction with highway projects scheduled by the State Department of Transportation.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with applicable community plans and is in conformance with the City's General Plan.

Schedule: Projects will be scheduled on a priority basis per Caltrans requests.

Summary of Project Changes: No significant changes have been made to this project for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 2,177,531	\$ 194,468	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,372,000
Total		\$ 2,177,531	\$ 194,468	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,372,000

Public Utilities

Groundwater Asset Development Program / ABM00001

Bldg - Water - Wells

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Carlson, Sandra
Duration:	2010 - 2040		619-533-4235
Improvement Type:	Replacement		carlsons@san Diego.gov

Description: This annual allocation provides for investigation work related to legal, technical, regulatory, and water quality issues; and for the planning, design, and construction of groundwater facilities to increase the local water supply.

Justification: The City imports 85 percent of its water from the Colorado River and the State Water Project. The City has access to several under-utilized groundwater assets that could be developed to supply new yield, seasonal storage, or carryover storage.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is in compliance with applicable community plans and is in conformance with the City's General Plan.

Schedule: Research, exploration, and demonstration began in Fiscal Year 2001 and continued through Fiscal Year 2014. Design and construction of sub-projects identified in the research/exploration/demonstration phase began in Fiscal Year 2012 and will continue through Fiscal Year 2040.

Summary of Project Changes: Total project cost has decreased due to updates to the cost and schedule of subprojects.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ -	\$ 495,328	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 495,328
Total		\$ -	\$ 495,328	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 495,328

Public Utilities

Harbor Drive Trunk Sewer / S18006

Wastewater - Collection Sys - Trunk Swr

Council District:	3 8	Priority Score:	89
Community Planning:	Barrio Logan; Centre City	Priority Category:	High
Project Status:	Continuing	Contact Information:	Vitelle, Brian
Duration:	2016 - 2025		619-533-5105
Improvement Type:	Replacement		bvitelle@sandiego.gov

Description: This project will upsize the existing 12-inch, 15-inch, 18-inch, and 24-inch Harbor Drive Trunk Sewer from 12th Avenue and Imperial Avenue to Sewer Pump Station #5 (Beardsley Street and Harbor Drive) with 18-inch, 21-inch, and 30-inch diameter sewer mains for a total length of 4,650 lineal feet. The project was originally setup as a participation agreement under RD16001 and was later converted to a standalone project.

Justification: The Harbor Drive Trunk Sewer is constructed of Techite pipe, which is known to be a high risk for catastrophic failure. The replacement of this trunk sewer will address the structural integrity of the existing sewer mains and provide additional capacity to accommodate the future flows.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the Barrio Logan and Downtown Plans and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2016 and was completed in Fiscal Year 2022. Construction is scheduled to begin in Fiscal Year 2023 and is anticipated to be completed in Fiscal Year 2024.

Summary of Project Changes: Total project cost increased by \$17.7 million due to revised construction and construction management costs.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Muni Sewer Utility - CIP Funding Source	700008	\$ 3,800,400	\$ 17,244,600	\$ 5,454,999	\$ -	\$ 17,700,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 44,200,000
Total		\$ 3,800,400	\$ 17,244,600	\$ 5,454,999	\$ -	\$ 17,700,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 44,200,000

Public Utilities

Instrumentation and Control / AKB00007

Water - Distribution Sys - Distribution

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Phung, Tung
Duration:	2010 - 2040		858-292-6425
Improvement Type:	Replacement		tphung@sandiego.gov

Description: This Annual Allocation provides for replacement and upgrades of the existing Supervisory Control and Data Acquisition (SCADA) equipment for the water distribution system.

Justification: The existing control system is outdated and exceeded its life cycle. This replacement will improve and enhance the control system capabilities as well as update the system to the current technology.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is in compliance with applicable community plans and is in conformance with the City's General Plan.

Schedule: Projects will be scheduled on a priority basis.

Summary of Project Changes: Total project cost has decreased due to updates to the cost and schedule of subprojects.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	200,000
Total		\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	200,000

Public Utilities

Kearny Mesa Trunk Sewer / S20000

Wastewater - Collection Sys - Trunk Swr

Council District:	6 7	Priority Score:	77
Community Planning:	Kearny Mesa; Serra Mesa; Mission Valley	Priority Category:	Low
Project Status:	Continuing	Contact Information:	Ammerlahn, Parita
Duration:	2019 - 2029		619-533-5406
Improvement Type:	Replacement - Rehab		pammerlahn@sandiego.gov

Description: This project involves the repair and rehabilitation of 7.89 miles of existing 12-inch to 36-inch deteriorated sewer pipes, repair/rehabilitation of 56 manholes and replacement of 2.18 miles of pipes ranging from 12-inch to 33-inch and 24 manholes. The scope also includes the abandonment of 3,012 feet of the existing 12-inch sewer mains and 8 manholes located in the northwest corridor of 52 Freeway and Interstate 15.

Justification: Replace and rehabilitate deteriorated sewer pipes and manholes.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the Kearny Mesa, Serra Mesa and Mission Valley Community Plans and is in conformance with the City's General Plan.

Schedule: Preliminary engineering was initiated and completed in Fiscal Year 2020. Design began in Fiscal Year 2021 and is anticipated to be completed in Fiscal Year 2024. Construction is anticipated to begin in Fiscal Year 2025 and is anticipated to be completed in Fiscal Year 2027.

Summary of Project Changes: Total project cost has decreased by \$20,000 to reflect updated project costs. \$1.5 million in Muni Sewer Utility - CIP funding was allocated to this project in Fiscal Year 2022 via City Council resolution. The project schedule has been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023		FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
					Anticipated								
Muni Sewer Utility - CIP Funding Source	700008	\$ 560,938	\$ 4,939,061	\$ 300,000	\$ -	\$	425,000	\$ 8,475,000	\$ 10,168,300	\$ -	\$ -	\$ -	\$ 24,868,300
Total		\$ 560,938	\$ 4,939,061	\$ 300,000	\$ -	\$	425,000	\$ 8,475,000	\$ 10,168,300	\$ -	\$ -	\$ -	\$ 24,868,300

Public Utilities

Kearny Villa Rd Pipeline / S23001

Water - Distribution Sys - Transmission

Council District:	6	Priority Score:	94
Community Planning:	Kearny Mesa	Priority Category:	Medium
Project Status:	New	Contact Information:	Greek, Ryan
Duration:	2023 - 2028		619-533-3767
Improvement Type:	New		rsgreek@sandiego.gov

Description: This project will install 24,170 linear feet of 36-inch pipeline on Kearny Villa Road between Miramar Road and Clairemont Mesa Boulevard.

Justification: To provide a second feed to ensure water reliability to the community.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the Kearny Mesa neighborhood and is in conformance with the City's General Plan

Schedule: Design is scheduled to begin in Fiscal Year 2024 and construction is anticipated to begin in Fiscal Year 2026.

Summary of Project Changes: This is a new project for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con	Appn	FY 2023		FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
					FY 2023	Anticipated							
Water Utility - CIP Funding Source	700010	\$ -	\$ -	\$ -	500,000	\$ -	4,500,000	\$ 10,000,000	\$ 10,000,000	\$ 10,000,000	\$ 13,400,000	\$ -	\$ 48,400,000
Total		\$ -	\$ -	\$ -	500,000	\$ -	4,500,000	\$ 10,000,000	\$ 10,000,000	\$ 10,000,000	\$ 13,400,000	\$ -	\$ 48,400,000

Public Utilities

La Jolla Scenic Drive 16inch Main / S12009

Water - Distribution Sys - Transmission

Council District:	1	Priority Score:	82
Community Planning:	La Jolla	Priority Category:	Low
Project Status:	Warranty	Contact Information:	Narvaez, Rex
Duration:	2015 - 2024		619-533-5127
Improvement Type:	Expansion		rnarvaez@sandiego.gov

Description: This project provides for replacement of 18,555 linear feet (3.51 miles) of existing 6-inch to 12-inch asbestos cement water main, and 1,573 linear feet (0.30 miles) of existing 8-inch polyvinyl chloride (PVC) water main and installation of 902 linear feet (0.17 miles) of 16-inch PVC transmission line between Soledad Mountain Road and the existing Mount Soledad Pump Station. In addition, it includes the installation of all associated water services, fire hydrants, curb ramps, traffic control, and abandon by slurry fill a total of 1,089 linear feet (0.21 miles) of existing 16-inch water main, of which 300 linear feet is ductile iron and 789 linear feet is asbestos cement. This project also includes the relocation of an existing pressure reducing station.

Justification: The current distribution grid has insufficient capacity to meet fire flow and is a bottleneck that leads to two isolated portions of the 725 Zone. If either of the pump/reservoir tandems that feed the zone go out of service, feed from the other tandem could not effectively be moved across the zone.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the La Jolla Community Plan and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2015 and was completed in Fiscal Year 2018. Construction began in Fiscal Year 2018 and was completed in Fiscal Year 2021.

Summary of Project Changes: Total project cost has increased by \$900,000 due to additional scope to connect to the Soledad Pump Station. \$900,000 in Water Utility - CIP funding has been allocated to this project in Fiscal Year 2022 via City Council resolution. The project schedule has been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 11,884,559	\$ 463,440	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,348,000
Total		\$ 11,884,559	\$ 463,440	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,348,000

Public Utilities

La Jolla View Reservoir / S15027

Water - Distribution Sys - Distribution

Council District:	1	Priority Score:	80
Community Planning:	La Jolla	Priority Category:	Low
Project Status:	Continuing	Contact Information:	Van Martin, Debbie
Duration:	2012 - 2028		619-533-6651
Improvement Type:	Replacement		dvanmartin@sandiego.gov

Description: This project will provide for the construction of a new 0.72 million gallons (MG) prestressed concrete reservoir. Also, it will install 600 feet of 16-inch pipeline and demolish the old La Jolla View Reservoir and the La Jolla Exchange Place Reservoir and Pump Station.

Justification: This project will replace the existing La Jolla View Reservoir which will improve water quality, set the new reservoir to appropriate health guidelines and improve fire flow capacity in the 610 Zone.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the La Jolla Community Plan and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2013 and is currently on hold due to an anticipated scope change to the proposed improvements. Construction schedule will likely be available upon completion of the scope change in Fiscal Year 2024.

Summary of Project Changes: \$1.0 million in Water Utility - CIP funding was removed from this project in Fiscal Year 2022 via City Council resolution due to anticipated scope reduction. The project description and schedule have been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 4,866,748	\$ 1,350,752	\$ -	\$ -	\$ -	\$ 5,635,157	\$ 8,512,500	\$ 15,387,619	\$ -	\$ -	\$ 35,752,777
Total		\$ 4,866,748	\$ 1,350,752	\$ -	\$ -	\$ -	\$ 5,635,157	\$ 8,512,500	\$ 15,387,619	\$ -	\$ -	\$ 35,752,777

Public Utilities

Lake Hodges Dam Replacement / S23002

Bldg - Water - Reservoirs/Dams

Council District:	5	Priority Score:	97
Community Planning:	San Pasqual	Priority Category:	High
Project Status:	New	Contact Information:	Greek, Ryan
Duration:	2023 - 2033		619-533-3767
Improvement Type:	Replacement - Rehab		rsgreek@sandiego.gov

Description: This project will construct a new roller compacted concrete dam about 100 feet downstream of the existing dam. While the dam is a City asset, the project will include cost-sharing with the other jurisdictions, including the San Diego County Water Authority, which maintains capacity rights to the 30,633 Acre Feet (AF) of storage. The City maintains 5,317 AF of capacity rights. The City expects to maintain ownership of the new dam.

Justification: Hodges Dam is over 100 years old and is the second oldest dam in the City's system. Currently, the dam has its capacity limited to 13,401 AF based on restrictions from the California Department of Water Resources' Division of Safety of Dams to mitigate risk of dam failure. This project will provide a long-term solution to mitigate these risks and ensure that Lake Hodges continues to be a critical asset in the region's water delivery system.

Operating Budget Impact: To be determined further in the design process.

Relationship to General and Community Plans: This project is consistent with the San Pasqual neighborhood and is in compliance with the City's General Plan.

Schedule: Design is scheduled to begin in Fiscal Year 2024 and construction is anticipated to begin in Fiscal Year 2028.

Summary of Project Changes: This is a new project for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ -	\$ -	\$ 500,000	\$ -	\$ 5,000,000	\$ 10,000,000	\$ 20,000,000	\$ 20,000,000	\$ 94,500,000	\$ -	\$ 150,000,000
Total		\$ -	\$ -	\$ 500,000	\$ -	\$ 5,000,000	\$ 10,000,000	\$ 20,000,000	\$ 20,000,000	\$ 94,500,000	\$ -	\$ 150,000,000

Public Utilities

Lakeside Valve Station Replacement / S22003

Water - Distribution Sys - Transmission

Council District:	Non-City	Priority Score:	94
Community Planning:	Non City	Priority Category:	Medium
Project Status:	New	Contact Information:	Ammerlahn, Parita
Duration:	2022 - 2026		619-533-5406
Improvement Type:	Replacement		pammerlahn@sandiego.gov

Description: This project will replace the existing deteriorated and underground Lakeside Valve Station with a new valve station. Relocate the new station above ground by demolishing the onsite out-of-service Lakeside Valve Station and adjacent out-of-service keeper's house. Build a new valve station and building at the location of the existing valve station and also includes an emergency generator. This project was converted from sublet project B17082 (AKA00003 Large Diameter Water Transmission PPL) to a standalone CIP in Fiscal Year 2022.

Justification: This replacement of the existing deteriorating valve station will improve efficiency and reliability of the raw water system.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the community plan guidelines for Lakeside Community Planning Group.

Schedule: Design began in Fiscal Year 2018 and is anticipated to be completed in Fiscal Year 2023. Construction is scheduled to begin in Fiscal Year 2023 and is anticipated to be completed in Fiscal Year 2026.

Summary of Project Changes: This project was converted from sublet project B17082 (AKA00003 Large Diameter Water Transmission PPL) to a standalone CIP in Fiscal Year 2022. This is a new project for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 3,772,797	\$ 13,817,202	\$ 5,617,782	\$ -	\$ 10,000,000	\$ 9,189,323	\$ -	\$ -	\$ -	\$ -	\$ 42,397,105
Total		\$ 3,772,797	\$ 13,817,202	\$ 5,617,782	\$ -	\$ 10,000,000	\$ 9,189,323	\$ -	\$ -	\$ -	\$ -	\$ 42,397,105

Public Utilities

Large Diameter Water Transmission PPL / AKA00003

Water - Distribution Sys - Transmission

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Phung, Tung
Duration:	2010 - 2040		858-292-6425
Improvement Type:	Replacement		tphung@sandiego.gov

Description: This annual allocation allows for the replacement of 16-inch and larger diameter water pipelines at various locations throughout the City.

Justification: This annual allocation provides for the replacement of large diameter pipelines that are deteriorated in condition or have reached the end of their service life.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the applicable community plans and is in conformance with the City's General Plan.

Schedule: Projects will be scheduled on a priority basis.

Summary of Project Changes: Total project cost has decreased due to updates to the cost and schedule of subprojects.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 43,770,644	\$ 10,310,769	\$ 10,898,319	\$ -	\$ 27,318,709	\$ 18,010,294	\$ 10,229,583	\$ 6,189,286	\$ -	\$ -	\$ 126,727,604
Total		\$ 43,770,644	\$ 10,310,769	\$ 10,898,319	\$ -	\$ 27,318,709	\$ 18,010,294	\$ 10,229,583	\$ 6,189,286	\$ -	\$ -	\$ 126,727,604

Public Utilities

MBC Equipment Upgrades / S17013

Bldg - MWWd - Treatment Plants

Council District:	6	Priority Score:	85
Community Planning:	Kearny Mesa	Priority Category:	Medium
Project Status:	Continuing	Contact Information:	Martin, Reyhaneh
Duration:	2017 - 2027		858-243-5036
Improvement Type:	Replacement		rdmartin@sandiego.gov

Description: Project consists of replacing aging equipment throughout various process areas to ensure the plant operates reliably. Improvements include installation of new raw solids feed pumps, replacement of existing thickening centrifuges, upgrades to anaerobic digesters, improvements to the sludge dewatering system and other upgrades. Approximately 33 percent of all Metro Sewer Utility Fund expenditures related to this project are funded by Participating Agencies.

Justification: To ensure that the plant operates reliably and efficiently, process equipment associated with anaerobic digestion and sludge dewatering must be replaced.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is in consistent with the applicable community plans and is in conformance with the City's General Plan.

Schedule: Design began in June 2017 and was completed in August 2018. Construction began in July 2021 and is anticipated to be completed in Fiscal Year 2025. This project's construction contract is being bundled with the Pure Water Program's construction contract for efficiency purposes.

Summary of Project Changes: Total project cost has increased by \$4.4 million in Fiscal Year 2023 due to revised project cost estimates which include increased costs for City labor and increased external engineering services for construction.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 41,901,936	\$ 354,907	\$ 6,245,622	\$ -	\$ 4,920,590	\$ 1,468,657	\$ -	\$ -	\$ -	\$ -	\$ 54,891,713
Total		\$ 41,901,936	\$ 354,907	\$ 6,245,622	\$ -	\$ 4,920,590	\$ 1,468,657	\$ -	\$ -	\$ -	\$ -	\$ 54,891,713

Public Utilities

Metro Treatment Plants / ABO00001

Bldg - MWWD - Treatment Plants

Council District:	2 6 7 8	Priority Score:	Annual
Community Planning:	Peninsula; University; Tijuana River Valley	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Phung, Tung
Duration:	2010 - 2040		858-292-6425
Improvement Type:	Replacement		tphung@sandiego.gov

Description: This annual allocation provides for replacement or improvements of facilities at Metro Treatment Plants: Point Loma Wastewater Treatment Plant (PLWTP), North City Water Reclamation Plant (NCWRP), South Bay Water Reclamation Plant (SBWRP), and Metro Biosolids Center (MBC). Approximately 33 percent of all Metro Sewer Utility Fund expenditures related to this project are funded by Participating Agencies.

Justification: Various facilities require replacement due to increasing wastewater flows and to be compliant with current regulatory requirements. This annual allocation will be considered an enhancement to the facility and does not include operation and maintenance.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the Peninsula, Tijuana River Valley, and University community plans and is in conformance with the City's General Plan.

Schedule: Projects will be scheduled on a priority basis.

Summary of Project Changes: Total project cost has increased due to updates to the cost and schedule of subprojects.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 16,325,937	\$ 14,581,004	\$ 14,110,687	\$ -	\$ 8,162,109	\$ 4,401,152	\$ 287,170	\$ 395,487	\$ -	\$ -	\$ 58,263,546
Total		\$ 16,325,937	\$ 14,581,004	\$ 14,110,687	\$ -	\$ 8,162,109	\$ 4,401,152	\$ 287,170	\$ 395,487	\$ -	\$ -	\$ 58,263,546

Public Utilities

Metropolitan System Pump Stations / ABP00002

Bldg - MWWWD - Pump Stations

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Phung, Tung
Duration:	2010 - 2040		858-292-6425
Improvement Type:	Replacement		tphung@sandiego.gov

Description: This annual allocation provides for comprehensive upgrades, design modifications, and renovations or replacement of equipment such as pumps, valves, tanks, controls, odor control systems, etc. at Metropolitan System Pump Stations 1, 2, Otay River, and Grove Avenue. Approximately 33 percent of all Metro Sewer Utility Fund expenditures related to this project are funded by Participating Agencies.

Justification: These improvements will allow pump stations to run more efficiently and increase the reliability of the Metropolitan Wastewater System.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the applicable community plans and is in conformance with the City's General Plan.

Schedule: Projects will be scheduled on a priority basis.

Summary of Project Changes: Total project cost has increased due to updates to the cost and schedule of subprojects.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 2,801,681	\$ 2,809,588	\$ 1,620,000	\$ -	\$ 3,680,734	\$ 7,552,599	\$ 8,438,966	\$ 3,954,875	\$ -	\$ -	\$ 30,858,443
Total		\$ 2,801,681	\$ 2,809,588	\$ 1,620,000	\$ -	\$ 3,680,734	\$ 7,552,599	\$ 8,438,966	\$ 3,954,875	\$ -	\$ -	\$ 30,858,443

Public Utilities

Metropolitan Waste Water Department Trunk Sewers / AJB00001 Wastewater - Collection Sys - Trunk Swr

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Phung, Tung
Duration:	2010 - 2040		858-292-6425
Improvement Type:	Replacement		tphung@sandiego.gov

Description: This annual allocation provides for the replacement of trunk sewers at various locations, including canyons, within the City limits. Approximately 33 percent of all Metro Sewer Utility Fund expenditures related to this project are funded by Participating Agencies.

Justification: This annual allocation provides for the upgrading of trunk sewers to improve the level of service to residents of the City of San Diego, and to comply with regulatory agencies by reducing the possibility of sewer spills.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the applicable community plans and is in conformance with the City's General Plan.

Schedule: Projects will be scheduled on a priority basis. B17005, Murphy Canyon Trunk Sewer Repair/Rehab is anticipated to be recreated as a standalone project during the fiscal year.

Summary of Project Changes: Total project cost has decreased due to updates to the cost and schedule of subprojects.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ -	\$ 280,736	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 280,736
Muni Sewer Utility - CIP Funding Source	700008	10,596,836	4,732,712	2,200,000	-	12,341,283	5,134,279	3,503,382	-	-	-	38,508,493
Total		\$ 10,596,836	\$ 5,013,448	\$ 2,200,000	\$ -	\$ 12,341,283	\$ 5,134,279	\$ 3,503,382	\$ -	\$ -	\$ -	\$ 38,789,229

Public Utilities

Miramar Clearwell Improvements / S11024

Bldg - Water - Standpipes

Council District:	5	Priority Score:	95
Community Planning:	Scripps Miramar Ranch; Miramar Ranch North	Priority Category:	High
Project Status:	Warranty	Contact Information:	Vitelle, Brian
Duration:	2012 - 2024		619-533-5105
Improvement Type:	Expansion		bvitelle@sandiego.gov

Description: This project constructs two new potable water storage clearwells, associated piping and facilities for a total storage capacity of 58.3 million gallons (MG); removes existing Clearwell Nos. 1 and 2 and associated piping and facilities; constructs a new chlorine contact chamber with an adjoining lift station for a maximum plant capacity of 215 million gallons per day (MGD), a new maintenance building, a new guard house, and installs a one megawatt Photovoltaic System on the deck of Clearwell No. 2.

Justification: The existing clearwells were determined to have significant structural stability concerns. The lift station will improve filter performance and increase hydraulic grade line to 712 feet.

Operating Budget Impact: None

Relationship to General and Community Plans: This project is consistent with the Scripps Miramar Ranch Community Plan and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2013 and was completed in Fiscal Year 2016. Construction began in Fiscal Year 2016 and was completed in Fiscal Year 2022. Project closeout activities will continue until Fiscal Year 2024.

Summary of Project Changes: The project schedule has been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 118,558,084	\$ 1,766,164	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,324,248
Water Utility Operating Fund	700011	4,495	-	-	-	-	-	-	-	-	-	4,495
Total		\$ 118,562,579	\$ 1,766,164	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,328,744

Public Utilities

Montezuma/Mid-City Pipeline Phase II / S11026

Water - Distribution Sys - Distribution

Council District:	7 9	Priority Score:	98
Community Planning:	College Area; Navajo	Priority Category:	High
Project Status:	Continuing	Contact Information:	Vitelle, Brian
Duration:	2013 - 2026		619-533-5105
Improvement Type:	Expansion		bvitelle@sandiego.gov

Description: This project will construct a new 66-inch pipeline from the Alvarado Water Treatment Plant Clearwells to the 69th and Mohawk pump station. Approximate pipeline length is 5,297 linear feet. This project also includes street resurfacing of 70th Street and Lake Murray Boulevard as part of a future reimbursement agreement with the City of La Mesa. This project was added to the City's existing litigation with SDG&E (which is primarily associated with the Pure Water project) regarding costs to relocated SDG&E in Fiscal Year 2021.

Justification: This project will give complete redundancy to the Trojan Pipeline and will add transmission capacity to all of San Diego south of Highway 8. The project will provide a back-up supply for the aging 54-inch Trojan Pipeline that currently supplies the Mid-City Pipeline west of the 63rd Street inter-tie, a second supply line to the largest region of the Alvarado Water Treatment Plant service area, and a back-up service that will allow the Trojan Pipeline to be removed from service for inspection. In addition, the project provides connections for a new 69th and Mohawk Pump Station to become the lead supply to the Redwood Village (645 Zone).

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the College Area and Navajo Community Planning Groups and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2013 and was completed in Fiscal Year 2019. Easement acquisition began in Fiscal Year 2017 and was completed in Fiscal Year 2018. Construction began in Fiscal Year 2020 and is anticipated to be completed in Fiscal Year 2024. A reservation of rights agreement was entered into with SDG&E in Fiscal Year 2021.

Summary of Project Changes: Total project cost has increased by \$16.9 million due to revised construction costs. \$6.8 million in Water Utility - CIP funding was removed from this project in Fiscal Year 2022 via City Council resolution due to updated project needs. The project schedule has been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water SDG&E Utility Relocation	700105	\$ 1,389,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,389,000
Water Utility - CIP Funding Source	700010	11,563,447	18,924,641	-	-	20,000,000	11,000,000	-	-	-	-	61,488,088
Water Utility Operating Fund	700011	215,112	-	-	-	-	-	-	-	-	-	215,112
Total		\$ 13,167,558	\$ 18,924,641	\$ -	\$ -	\$ 20,000,000	\$ 11,000,000	\$ -	\$ -	\$ -	\$ -	\$ 63,092,200

Public Utilities

Morena Pipeline / S16027

Water - Distribution Sys - Transmission

Council District:	2 6 7	Priority Score:	92
Community Planning:	Linda Vista; Clairemont Mesa; Mission Valley	Priority Category:	Low
Project Status:	Continuing	Contact Information:	Martin, Reyhaneh
Duration:	2015 - 2027		858-243-5036
Improvement Type:	Expansion		rdmartin@sandiego.gov

Description: This project will replace 19,765 feet of existing cast iron and asbestos cement 16-inch pipeline with 16-inch PVC and install 17,440 feet of new 36-inch steel pipeline (CML & C) along Morena Blvd from Friars Road to Balboa Avenue. Total length of this project is 38,012 feet.

Justification: This project was driven by the need to provide redundant transmission capacity to the coastal regions of Pacific Beach and La Jolla. This pipeline will also allow the beach areas to be fed by the Alvarado Water Treatment Plant which helps maximize local water resources.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with Linda Vista, Mission Valley and Clairemont Mesa community plans and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2017 and is anticipated to be completed Fiscal Year 2023. Construction is scheduled to begin in Fiscal Year 2023 and is anticipated to be completed in Fiscal Year 2026.

Summary of Project Changes: The total project cost increased by \$16.0 million due to revised cost estimates resulting from the project's construction contract being unbundled from Pure Water. The project schedule has been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water SDG&E Utility Relocation	700105	\$ 13,564,385	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,564,386
Water Utility - CIP Funding Source	700010	5,210,065	19,961,702	12,077,110	-	12,350,414	10,567,337	-	-	-	-	60,166,628
Total		\$ 18,774,450	\$ 19,961,702	\$ 12,077,110	\$ -	\$ 12,350,414	\$ 10,567,337	\$ -	\$ -	\$ -	\$ -	\$ 73,731,014

Public Utilities

Murphy Canyon Trunk Sewer Repair/Rehab / S22014

Wastewater - Collection Sys - Trunk Swr

Council District:	6 7	Priority Score:	75
Community Planning:	Kearny Mesa; Mission Valley; Serra Mesa; Tierrasanta	Priority Category:	Low
Project Status:	New	Contact Information:	Vitelle, Brian
Duration:	2022 - 2026		619-533-5105
Improvement Type:	Replacement - Rehab		bvitelle@sandiego.gov

Description: This project will improve the capacity of existing trunk sewer infrastructure by installing approximately 1.3 miles of new gravity sewer pipelines, rehabilitating approximately 5.2 miles of existing sewer pipelines, and abandoning approx. 1.1 miles of existing sewer pipeline and manholes. The existing trunk sewer is located parallel to I-15, mainly on or near Murphy Canyon Road from Clairemont Mesa Boulevard to south of Friars Road. In addition, part of sewer rehabilitation will take place on Ruffin Road from Balboa Avenue to Aero Drive and on Aero Drive from Ruffin Road to Sandrock Road. This project was converted from sublet B17005 (AJB00001 Metropolitan Waste Water Department Trunk Sewers) to a standalone project in Fiscal Year 2022.

Justification: This project will replace or rehabilitate more than 35,765 linear feet of aging and deteriorating sewer pipe servicing communities. The new and rehabilitated sewer distribution pipelines will bring the existing mains up to modern standards, accommodate community growth and reduce maintenance requirements.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the Kearny Mesa and Mission Valley community plans and is in conformance with the City's General Plan.

Schedule: Design is anticipated to be completed in Fiscal Year 2023. Construction is anticipated to begin in Fiscal Year 2023 and be completed in Fiscal Year 2026.

Summary of Project Changes: This is a newly published project for Fiscal Year 2023. This project was converted from sublet B17005 (AJB00001 Metropolitan Waste Water Department Trunk Sewers) to a standalone project in Fiscal Year 2022.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Muni Sewer Utility - CIP Funding Source	700008	\$ 3,860,000	\$ 97,387	\$ 4,000,000	\$ -	\$ 18,000,000	\$ 11,000,000	\$ 2,114,612	\$ -	\$ -	\$ -	\$ 39,072,000
Total		\$ 3,860,000	\$ 97,387	\$ 4,000,000	\$ -	\$ 18,000,000	\$ 11,000,000	\$ 2,114,612	\$ -	\$ -	\$ -	\$ 39,072,000

Public Utilities

NCWRP Improvements to 30 mgd / S17012

Bldg - MWWd - Treatment Plants

Council District:	1	Priority Score:	85
Community Planning:	University	Priority Category:	Medium
Project Status:	Continuing	Contact Information:	Martin, Reyhaneh
Duration:	2017 - 2027		858-243-5036
Improvement Type:	Replacement		rdmartin@sandiego.gov

Description: The North City Water Reclamation Plant (NCWRP) treats wastewater from several San Diego communities and distributes recycled water for irrigation and industrial purposes throughout the surrounding areas. The condition and hydraulic capacity of the existing equipment at the NCWRP has been assessed through the review and examination of the plant design drawings, operation and assessment. It was determined that improvements to the process equipment are needed in order to ensure the facility is capable of operating reliably at its design capacity of 30 million gallons per day (MGD). Approximately 33 percent of all Metro Sewer Utility Fund expenditures related to this project are funded by Participating Agencies.

Justification: This project entails improvements to the process equipment at the NCWRP in order to ensure the facility is capable of operating reliably at its design capacity of 30 MGD.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the University Community Plan and is in conformance with the City's General plan and helps to implement the City's Climate Action Plan.

Schedule: Design began in Fiscal Year 2017 and was completed in Fiscal Year 2019. Construction began in Fiscal Year 2022 and is anticipated to be completed in Fiscal Year 2025. This project's construction contract is being bundled with the Pure Water Program's construction contract for efficiency purposes.

Summary of Project Changes: Total project cost has increased by \$1.8 million in Fiscal Year 2023 due to revised project cost estimates. \$7.4 million in Metro Sewer and Water Utility - CIP funding was allocated to this project in Fiscal Year 2022 via City Council resolution.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 19,921,028	\$ 1,698,636	\$ 6,927,936	\$ -	\$ 3,447,490	\$ 1,399,105	\$ 631,064	\$ -	\$ -	\$ -	\$ 34,025,259
Water Utility - CIP Funding Source	700010	2,431,164	786,857	2,518,020	-	686,746	377,685	-	-	-	-	6,800,471
Total		\$ 22,352,191	\$ 2,485,493	\$ 9,445,956	\$ -	\$ 4,134,236	\$ 1,776,790	\$ 631,064	\$ -	\$ -	\$ -	\$ 40,825,731

Public Utilities

North/South Metro Interceptors Rehabilitation / S22001

Wastewater - Collection Sys - Main

Council District:	2 3 7 8	Priority Score:	88
Community Planning:	Centre City - East Village; Centre City - Little Italy; Centre City - Columbia/Core	Priority Category:	High
Project Status:	New	Contact Information:	Greek, Ryan
Duration:	2023 - 2026		619-533-3767
Improvement Type:	Betterment		rsgreek@sandiego.gov

Description: Repair and rehabilitation of the North Metropolitan Interceptors (NMI) and South Metropolitan Interceptors (SMI) and access structures. Several pipeline segments will be rehabilitated or repaired. Several access structures and siphon access structures will be repaired. Approximately 33 percent of all Metro Sewer Utility Fund expenditures related to this project are funded by Participating Agencies.

Justification: NMI and SMI are singular critical interceptors conveying wastewater flows from North and South of the City to PLWTP via PS2. SMI and a portion of NMI do not have a redundancy pipeline for backup in the event these pipelines go out of service. If NMI and SMI are not repaired or maintained, there is the potential risk of major wastewater collection interruption, sewer overflow, property and environmental damage, and fines due to pipe failure.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the Downtown, Midway-Pacific Highway, Otay Mesa-Nestor, Barrio Logan and Military Facilities neighborhoods and is in conformance with the City's General Plan.

Schedule: Design is scheduled to begin in 2022 and construction is anticipated to be completed in 2026.

Summary of Project Changes: This is a new project for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ -	\$ -	\$ 500,000	\$ -	\$ 3,000,000	\$ 4,500,000	\$ 8,000,000	\$ 10,000,000	\$ -	\$ -	\$ 26,000,000
Total		\$ -	\$ -	\$ 500,000	\$ -	\$ 3,000,000	\$ 4,500,000	\$ 8,000,000	\$ 10,000,000	\$ -	\$ -	\$ 26,000,000

Public Utilities

Otay 1st/2nd PPL West of Highland Avenue / S12016

Water - Distribution Sys - Transmission

Council District:	3 9	Priority Score:	91
Community Planning:	City Heights; North Park	Priority Category:	Low
Project Status:	Continuing	Contact Information:	Vitelle, Brian
Duration:	2014 - 2024		619-533-5105
Improvement Type:	Replacement		bvitelle@sandiego.gov

Description: This project provides for replacement of the Otay 1st and 2nd Pipeline (west of Highland Avenue, along the existing Otay 2nd alignment). It will replace 26,090 linear feet of existing cast iron and asbestos cement transmission mains and distribution mains with new mains.

Justification: This project will replace the existing deteriorated cast iron pipe. The new pipeline will provide supply reliability and improve water quality.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the City Heights and North Park Community Plans and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2016 and was completed in Fiscal Year 2019. Construction began in Fiscal Year 2020 and is anticipated to be completed in Fiscal Year 2023.

Summary of Project Changes: No significant changes have been made to this project for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 27,636,920	\$ 1,803,579	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 29,440,500
Water Utility Operating Fund	700011	2,129	(2,129)	-	-	-	-	-	-	-	-	-
Total		\$ 27,639,049	\$ 1,801,450	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 29,440,500

Public Utilities

Otay 2nd Pipeline Phase 4 / S20001

Water - Distribution Sys - Transmission

Council District:	Non-City	Priority Score:	97
Community Planning:	Non City	Priority Category:	High
Project Status:	Continuing	Contact Information:	Ammerlahn, Parita
Duration:	2020 - 2030		619-533-5406
Improvement Type:	Replacement		pammerlahn@sandiego.gov

Description: This project will replace an existing portion of the Otay 2nd Pipeline in the County of San Diego and in the City of Chula Vista between Bonita Road (North end) and Telegraph Canyon Road (South end) and install a new distribution main to supply water to a number of existing customers currently connected directly into the main transmission pipeline. The work will replace approximately 16,910 linear feet of existing Otay 2nd steel piping with new 48" Cement Mortar Lined and Tape Coated piping, and construct approximately 1,041 linear feet of new 8" distribution piping to serve existing customers.

Justification: This project will replace and up-size existing deteriorated piping to provide supply reliability for the Alvarado service area and increase operational flexibility of the system. Several existing residential water connections will be transferred to the new 8" distribution pipe in compliance with the City's design guidelines.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is recommended by an amendment to the Otay Water Treatment Plant Service Area Master Plan and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2020 and is anticipated to be completed in Fiscal Year 2025. Construction is scheduled to begin in Fiscal Year 2025 and is anticipated to be completed in Fiscal Year 2029.

Summary of Project Changes: \$1.7 million in Water Utility - CIP funding was removed from this project in Fiscal Year 2022 via City Council resolution. The project schedule has been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 3,671,398	\$ 478,601	\$ -	\$ -	\$ -	\$ 10,000,000	\$ 10,000,000	\$ 10,000,000	\$ 3,858,900	\$ -	\$ 38,008,900
Total		\$ 3,671,398	\$ 478,601	\$ -	\$ -	\$ -	\$ 10,000,000	\$ 10,000,000	\$ 10,000,000	\$ 3,858,900	\$ -	\$ 38,008,900

Public Utilities

Otay 2nd Pipeline Steel Replacement Ph 5 / S21000

Water - Distribution Sys - Transmission

Council District:	4	Priority Score:	95
Community Planning:	Mid-City: Eastern Area; Southeastern (Encanto Neighborhoods)	Priority Category:	High
Project Status:	Continuing	Contact Information:	Ammerlahn, Parita
Duration:	2021 - 2030		619-533-5406
Improvement Type:	Replacement		pammerlahn@sandiego.gov

Description: This project will replace the existing 36-inch Steel Cylinder Cement (CMLCS) pipe with 42-inch CMLCS pipe from Balboa Vista Drive south of Seifert Street to the intersection of 60th Street and Tooley Street. The project also includes a new tunneling segment under SR-94.

Justification: This project will replace and up-size existing deteriorated piping to provide supply reliability for the Alvarado service area and increase operational flexibility of the system. Seventeen existing residential water connections will be transferred to the new 8" distribution pipe in compliance with the City's design guidelines.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the Mid City: Eastern Area and Encanto Neighborhoods and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2022 and is anticipated to be completed in Fiscal Year 2026. Construction is scheduled to begin in Fiscal Year 2027 and is anticipated to be completed in Fiscal Year 2030.

Summary of Project Changes: The project schedule has been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 202,694	\$ 897,305	\$ 2,000,000	\$ -	\$ 1,000,000	\$ 500,000	\$ 500,000	\$ 7,000,000	\$ 8,029,000	\$ -	\$ 20,129,000
Total		\$ 202,694	\$ 897,305	\$ 2,000,000	\$ -	\$ 1,000,000	\$ 500,000	\$ 500,000	\$ 7,000,000	\$ 8,029,000	\$ -	\$ 20,129,000

Public Utilities

Otay Second Pipeline Relocation-PA / S15016

Water - Distribution Sys - Transmission

Council District:	Non-City	Priority Score:	98
Community Planning:	Non-City	Priority Category:	High
Project Status:	Continuing	Contact Information:	Wilson, Leonard
Duration:	2015 - 2027		619-446-5421
Improvement Type:	Replacement		llwilson@sandiego.gov

Description: This project is a participation agreement and will relocate 7.82 miles of potable water transmission pipelines from Otay Water Treatment to Olympic Parkway. The participation agreement outlines each segment of work, the City and Developer costs, and the schedule to begin and complete the work.

Justification: As the Otay Ranch Community develops, the existing Otay 2nd Pipeline, Otay 3rd Pipeline, South San Diego Pipeline No. 1, and South San Diego Pipeline No. 2 will be relocated into the City of Chula Vista's public rights-of-way.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is outside the City limits and there is no community planning area. This project is in conformance with the City's General Plan.

Schedule: Design of Phase 1 began in Fiscal Year 2015 and construction of Phase 1 began in Fiscal Year 2019. Subsequent design and construction phases will continue through 2027.

Summary of Project Changes: No significant changes have been made to this project for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 10,447,395	\$ 2,648,775	\$ 7,750,000	\$ -	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 1,247,053	\$ -	\$ -	\$ 28,093,224
Total		\$ 10,447,395	\$ 2,648,775	\$ 7,750,000	\$ -	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 1,247,053	\$ -	\$ -	\$ 28,093,224

Public Utilities

Otay Water Treatment Plant Upgrade Ph 3 / S23003

Bldg - Water - Treatment Plants

Council District:	Non-City	Priority Score:	95
Community Planning:	Non-City	Priority Category:	High
Project Status:	New	Contact Information:	Greek, Ryan
Duration:	2023 - 2029		619-533-3767
Improvement Type:	Betterment		rsgreek@sandiego.gov

Description: Rehabilitate two existing flocculation and sedimentation basins by adding plate settlers, launders, and a new sludge collection system. Apply coatings to filter effluent channels and the filters 9-16 influent channel and replace valves on filters 1-16. Upgrade chemical tanks, feed systems, and install flow controls. Expand and improve the operations building. Other improvements include install raw water meter, throttling valve and overflow structure on San Diego County Water Authority connection, perform seismic improvements, and perform improvements for security guard station.

Justification: Ongoing operability and reliability of the plant are currently jeopardized. Some of those needs are related to design and construction problems of the late 1990's plant expansion project and some of them are related to older plant equipment that was not improved during the expansion.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is outside of the City limits and there is no community planning area.

Schedule: Design is scheduled to begin in Fiscal Year 2024 and construction is anticipated to begin in Fiscal Year 2026.

Summary of Project Changes: This is a new project for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ -	\$ -	\$ 500,000	\$ -	\$ 1,000,000	\$ 2,500,000	\$ 5,000,000	\$ 5,000,000	\$ 18,000,000	\$ -	\$ 32,000,000
Total		\$ -	\$ -	\$ 500,000	\$ -	\$ 1,000,000	\$ 2,500,000	\$ 5,000,000	\$ 5,000,000	\$ 18,000,000	\$ -	\$ 32,000,000

Public Utilities

Pacific Beach Pipeline South (W) / S12015

Water - Distribution Sys - Transmission

Council District:	2	Priority Score:	92
Community Planning:	Pacific Beach; Midway - Pacific Highway; Mission Beach; Peninsula	Priority Category:	Low
Project Status:	Continuing	Contact Information:	Jaro, Janice
Duration:	2012 - 2024		619-533-3851
Improvement Type:	Expansion		jjaro@sanidiego.gov

Description: Replacement of approximately 7.8 miles of existing transmission and distribution mains known as Pacific Beach Pipeline along Ingraham Street, West Mission Bay Drive, Sports Arena Boulevard, Midway Drive, Enterprise Street, Pacific Highway, Kurtz Street, Hancock Street, California Street, West Walnut Avenue, Vine Street, and Kettner Boulevard from the Buena Vista Street and Ingraham Street intersection through the Upas and Kettner Boulevard intersection. The project also includes demolition of the existing Pacific Beach Reservoir, abandonment of existing 16-inch pipeline from this reservoir through Tourmaline Street and Foothill Boulevard, and replacement of adjacent water mains along West Mission Bay Drive from Mission Boulevard through Ingraham Street, along Hancock Street from Estudillo Street through Noell Street, along West Washington Street from Hancock Street through Pacific Highway, and along Anna Avenue from Pacific Highway to Lovelock Street.

Justification: This project is needed to provide water supply reliability to Pacific Beach by replacing a 73-year-old deteriorating cast iron pipe; thereby, increasing capacity and allowing for increased operational flexibility.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the Midway-Pacific Highway, Mission Beach, Peninsula and Pacific Beach Community Plans and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2014 and was completed in Fiscal Year 2016. Construction began in Fiscal Year 2016 and is anticipated to be completed in Fiscal Year 2023.

Summary of Project Changes: Total project cost increased by \$2.6 million due to unforeseen poor soil conditions and operational issues with the existing water main. \$2.6 million in Water Utility - CIP funding has been allocated to this project in Fiscal Year 2022 via City Council resolution. The project schedule has been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 43,399,124	\$ 960,808	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 44,359,933
Total		\$ 43,399,124	\$ 960,808	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 44,359,933

Public Utilities

Pipeline Rehabilitation / AJA00002

Wastewater - Collection Sys - Main

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Phung, Tung
Duration:	2010 - 2040		858-292-6425
Improvement Type:	Replacement		tphung@sandiego.gov

Description: This annual allocation provides for the rehabilitation and repair of deteriorated sewers and manholes at various locations within the Municipal Wastewater System.

Justification: This annual allocation provides for the extension of the useful life of sewers and manholes, improvements in the level of service to the residents of San Diego, and compliance with regulatory agencies' standards by reducing the possibility of sewer spills.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with applicable community plans and is in conformance with the City's General Plan.

Schedule: Projects will be scheduled on a priority basis.

Summary of Project Changes: Total project cost has decreased due to updates to the cost and schedule of subprojects.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Muni Sewer Utility - CIP Funding Source	700008	\$ 74,534,808	\$ 11,976,630	\$ 4,369,229	\$ -	\$ 3,110,193	\$ 2,121,582	\$ 2,710,777	\$ 16,478,758	\$ -	\$ -	\$ 115,301,978
Total		\$ 74,534,808	\$ 11,976,630	\$ 4,369,229	\$ -	\$ 3,110,193	\$ 2,121,582	\$ 2,710,777	\$ 16,478,758	\$ -	\$ -	\$ 115,301,978

Public Utilities

Pressure Reduction Facility Upgrades / AKA00002

Water - Distribution Sys - Transmission

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Phung, Tung
Duration:	2010 - 2040		858-292-6425
Improvement Type:	Replacement		tphung@sandiego.gov

Description: This annual allocation provides for replacing existing pressure reducing stations or expanding pressure capacities to meet present and future water demands.

Justification: Increasing demands for water throughout the City requires pressure reducing stations to better control water pressure throughout the City's system. This annual allocation will continue to fund the replacement and expansion of pressure reduction facilities.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with applicable community plans and is in conformance with the City's General Plan.

Schedule: Projects will be scheduled on a priority basis.

Summary of Project Changes: Total project cost has increased due to updates to the cost and schedule of subprojects.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 1,573,926	\$ 3,618,297	\$ 200,000	\$ -	\$ 5,564,258	\$ 7,910,766	\$ 12,065,031	\$ 6,923,972	\$ -	\$ -	\$ 37,856,251
Total		\$ 1,573,926	\$ 3,618,297	\$ 200,000	\$ -	\$ 5,564,258	\$ 7,910,766	\$ 12,065,031	\$ 6,923,972	\$ -	\$ -	\$ 37,856,251

Public Utilities

PS2 Power Reliability & Surge Protection / S00312

Bldg - MWWd - Pump Stations

Council District:	2	Priority Score:	90
Community Planning:	Peninsula	Priority Category:	High
Project Status:	Continuing	Contact Information:	Choi, Jong
Duration:	2011 - 2026		619-533-5493
Improvement Type:	Expansion		jchoi@sandiego.gov

Description: This project improves the reliability of Pump Station 2 and provides the required surge protection and backup power against an electrical outage in compliance with the Environmental Protection Agency (EPA) recommendation of standby power for essential facilities. This project also provides the required building upgrades (ADA compliant restrooms and offices). Approximately 33 percent of all Metro Sewer Utility Fund expenditures related to this project are funded by Participating Agencies.

Justification: Sewer Pump Station 2 currently has three feeds from San Diego Gas and Electric (SDG&E). Two of the feeds are fed from the same substation. Neither of the two SDG&E substations provide 100% power to Pump Station 2. EPA guidelines recommend that facilities like Pump Station 2 be equipped with two separate and independent sources of electrical power provided from either two separate utility substations or from a single substation and a plant base generator. The current pump station electrical configuration does not comply with the EPA recommendations. Besides satisfying the EPA guidelines, it is also required that force main surge protection be provided at all times during pump station operation and in the event of a total power failure.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the Peninsula Community Plan and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2013 and was completed in Fiscal Year 2017. Construction began in Fiscal Year 2018 and is anticipated to be completed in Fiscal Year 2024.

Summary of Project Changes: The project schedule has been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 72,614,284	\$ 3,422,349	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 76,036,633
Metropolitan Sewer Utility Fund	700001	64,166	-	-	-	-	-	-	-	-	-	64,166
Total		\$ 72,678,450	\$ 3,422,349	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 76,100,800

Public Utilities

Pump Station Restorations / ABP00001

Bldg - MWWWD - Pump Stations

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Phung, Tung
Duration:	2010 - 2040		858-292-6425
Improvement Type:	Replacement		tphung@sandiego.gov

Description: This annual allocation provides for the replacement of deteriorated municipal pumping equipment and/or pipeline appurtenances.

Justification: Many existing sewer pump stations have reached or exceeded their anticipated service life.

Operating Budget Impact: None.

Relationship to General and Community Plans: This annual allocation is consistent with applicable community plans and is in conformance with the City's General Plan.

Schedule: Projects will be scheduled on a priority basis.

Summary of Project Changes: Total project cost has decreased due to updates to the cost and schedule of subprojects.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 40,008	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	40,008
Muni Sewer Utility - CIP Funding Source	700008	13,741,213	1,205,431	-	-	72,171	74,410	76,718	79,097	-	-	15,249,041
Total		\$ 13,781,221	\$ 1,205,431	\$ -	\$ -	\$ 72,171	\$ 74,410	\$ 76,718	\$ 79,097	\$ -	\$ -	\$ 15,289,049

Public Utilities

Pure Water Phase 2 / ALA00002

Potable Reuse

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	New	Contact Information:	Demich, Andrea
Duration:	2022 - 2040		858-614-5741
Improvement Type:	New		ademich@sanidiego.gov

Description: The Pure Water Program will be implemented in two phases. This annual allocation provides funding for Phase 2 of the Program. It includes the design and construction of several facilities including a Small-Scale Facility that will be used to pilot technology, a 53 million gallon per day (MGD) Pure Water Facility, and a Central Area Water Reclamation Plant. An extensive conveyance system to deliver pure water between each facility and, ultimately, to a reservoir is also included.

Justification: This project is needed to meet the requirements in the upcoming Ocean Pollution Reduction Act II (OPRA II) legislation and to reduce reliance on external water sources by providing an uninterrupted local water supply.

Operating Budget Impact: The operating budget impacts will reflect the staffing and non-personnel expenditures required to bring the Facilities online for continued operation and maintenance. As the project develops and progresses, operating impacts will be identified.

Relationship to General and Community Plans: This project is consistent with applicable community plans and is in conformance with the City's General Plan.

Schedule: The Small-Scale Facility design began in Fiscal Year 2021 and is expected to complete construction in Fiscal Year 2023. The remaining facilities and the conveyances are expected to begin design in phases between Fiscal Year 2026 and Fiscal Year 2027 with all infrastructure in service in Fiscal Year 2035.

Summary of Project Changes: This is a new project for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 1,778,734	\$ (10,450)	\$ 13,680,000	\$ -	\$ 2,369,943	\$ 2,443,453	\$ 2,519,244	\$ 1,308,987	\$ 1,306,410,477	\$ -	\$ 1,330,500,388
Water Utility - CIP Funding Source	700010	1,782,377	(14,093)	22,320,000	-	3,866,749	3,986,687	4,110,345	2,135,715	2,131,511,831	-	2,169,699,611
Total		\$ 3,561,112	\$ (24,544)	\$ 36,000,000	\$ -	\$ 6,236,692	\$ 6,430,140	\$ 6,629,589	\$ 3,444,702	\$ 3,437,922,308	\$ -	\$ 3,500,199,999

Public Utilities

PURE Water Program / ALA00001

Potable Reuse

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Demich, Andrea
Duration:	2015 - 2030		858-614-5741
Improvement Type:	New		ademich@sandiego.gov

Description: The Pure Water Program will be implemented in two phases. This annual allocation provides funding for Phase I of the Program and it includes the design and construction of several facilities including a 30 million gallons per day (MGD) Pure Water Facility, expansion of the existing North City Water Reclamation Plant from 30 MGD to 52 MGD, 30 MGD Pure Water Pump Station and Conveyance system to deliver pure water to Miramar Reservoir, and a 37 MGD pump station and forcemain on Morena Blvd, which will convey additional wastewater from the central area of San Diego to the North City Water Reclamation Plant. The Phase I project will also include an upgrade to the MBC Facility. The capacity and location of the Phase II Pure Water project will be determined once Phase II Pure Water Program validation is complete. Expenditures estimates after Fiscal Year 2022 have been adjusted to account for inflation, consistent with the project's estimates used to secure financing.

Justification: This project is needed to meet the new permit requirement stipulated in the 2015 Point Loma Wastewater Treatment Plant permit application and to reduce reliance on external water sources by providing an uninterruptable local water supply.

Operating Budget Impact: The operating budget impact reflects the staffing and non-personnel expenditures required to bring the Pure Water Facilities online for continued operations and maintenance. As the project develops and progresses additional operating budget impacts will be identified.

Relationship to General and Community Plans: This project is consistent with applicable community plans and is in conformance with the City's General Plan and helps to implement the City's Climate Action Plan.

Schedule: Pure Water Phase 1 is currently in construction which is expected to be completed in calendar year 2025. Construction activities will be followed by start-up and testing, and ramp-up regulatory acceptance, respectively.

Summary of Project Changes: The annual project cost for Fiscal Year 2023 increased by \$108.9 million due to updates to the cost and schedules of subprojects. In Fiscal Year 2022, the City Council approved the transfer of \$30.2 million to other Pure Water-related projects.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Grant Fund-Enterprise-State	710001	\$ 9,600,000	\$ 3,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,600,000
Metro SDG&E Utility Relocation	700104	7,527,419	-	-	10,284,482	-	-	-	-	-	-	17,811,901
Metro Sewer Utility - CIP Funding Source	700009	268,694,625	159,841,117	97,000,000	-	86,508,100	15,946,475	4,162,196	-	-	-	632,152,513
Purewater (Wastewater) State Approp	700114	7,493,649	2,313,977	-	-	-	-	-	-	-	-	9,807,626
Purewater (Water) State Approp	700113	107,055	131,479	-	-	-	-	-	-	-	-	238,535
Water SDG&E Utility Relocation	700105	11,395,096	-	-	16,227,297	-	-	-	-	-	-	27,622,393
Water Utility - CIP Funding Source	700010	392,574,365	112,609,486	179,000,000	-	65,889,286	19,963,370	6,158,631	-	-	-	776,195,138
Water Utility Operating Fund	700011	583	(583)	-	-	-	-	-	-	-	-	-
Total		\$ 697,392,792	\$ 277,895,476	\$ 276,000,000	\$ 26,511,779	\$ 152,397,386	\$ 35,909,845	\$ 10,320,827	\$ -	\$ -	\$ -	\$ 1,476,428,105

- Operating Budget Impact table on next page -

Operating Budget Impact

Department - Fund	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Public Utilities - METRO SEWER UTILITY	FTEs 0.00	8.67	8.67	8.67	8.67
Public Utilities - METRO SEWER UTILITY	Total Impact \$ -	4,896,003	6,978,912	18,480,734	18,506,227
Public Utilities - WATER UTILITY OPERATING	FTEs 15.00	44.33	44.33	45.33	45.33
Public Utilities - WATER UTILITY OPERATING	Total Impact \$ 4,200,378	12,478,529	21,055,899	37,941,254	38,064,955

Public Utilities

Rancho Bernardo Industrial Pump Stn Replacement / S21004

Bldg - Water - Pump Stations

Council District:	5	Priority Score:	97
Community Planning:	Rancho Bernardo	Priority Category:	High
Project Status:	Continuing	Contact Information:	Van Martin, Debbie
Duration:	2021 - 2029		619-533-6651
Improvement Type:	Replacement		dvanmartin@sandiego.gov

Description: Construct a new Rancho Bernardo Industrial Pump Station (RBI PS) to meet future demand and fire flow in the Pomerado Park HGL 920 zone. This project also includes the demolition of the existing pump station.

Justification: The existing RBI PS needs to be replaced due to aging infrastructure and exceeded service life.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the Rancho Bernardo neighborhood and is in conformance with the City's General Plan

Schedule: Design began in Fiscal Year 2022 and is anticipated to be completed in Fiscal Year 2025. Construction is scheduled to begin in Fiscal Year 2025 and is anticipated to be completed in Fiscal Year 2028.

Summary of Project Changes: Total project cost has increased \$11.3 million due to revised cost estimates that were unknown prior to the start of design. \$650,000 in Water Utility - CIP funding was allocated to this project in Fiscal Year 2022 via City Council resolution. The project cost and schedule have been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 365,004	\$ 2,034,995	\$ 500,000	\$ -	\$ -	\$ 3,648,000	\$ 4,500,000	\$ 2,000,000	\$ -	\$ -	\$ 13,048,000
Total		\$ 365,004	\$ 2,034,995	\$ 500,000	\$ -	\$ -	\$ 3,648,000	\$ 4,500,000	\$ 2,000,000	\$ -	\$ -	\$ 13,048,000

Public Utilities

Recycled Water Systems Upgrades / AHC00004

Reclaimed Water System - Pipelines

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Phung, Tung
Duration:	2010 - 2040		858-292-6425
Improvement Type:	Expansion		tphung@sandiego.gov

Description: This annual allocation provides for the upgrade and replacement of recycled water system components as necessary.

Justification: Replacement and upgrades are necessary for the ongoing operation of the recycled water system.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with applicable community plans and is in conformance with the City's General Plan.

Schedule: Projects will be scheduled on a priority basis.

Summary of Project Changes: No significant changes have been made to this project in Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ -	\$ 49,999	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	49,999
Total		\$ -	\$ 49,999	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	49,999

Public Utilities

SBWR Plant Demineralization / S00310

Bldg - MWWd - Treatment Plants

Council District:	8	Priority Score:	77
Community Planning:	Tijuana River Valley	Priority Category:	Medium
Project Status:	Warranty	Contact Information:	Vitelle, Brian
Duration:	2013 - 2023		619-533-5105
Improvement Type:	Expansion		bvitelle@sandiego.gov

Description: This project provides demineralization of reclaimed water using the Electrodialysis Reversal (EDR) process. The project relocated two trailer mounted EDR units from the North City Water Reclamation Plant to the South Bay Water Reclamation Plant to reduce the Total Dissolved Solids (TDS) in the reclaimed water. Approximately 33 percent of all Metro Sewer Utility Fund expenditures related to this project are funded by Participating Agencies.

Justification: The majority of reclaimed water is used for irrigation. Demineralization reduces the level of total dissolved solids in the reclaimed water.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the Tijuana River Valley Community Plan and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2014 and was completed in Fiscal Year 2015. Construction began in Fiscal Year 2015 and was completed in Fiscal Year 2020. Project closeout will be executed after ongoing disputes are resolved.

Summary of Project Changes: Total project cost has decreased by \$256,784 due to excess funding for closeout. \$256,784 was removed from this project in Fiscal Year 2022 via City Council Resolution.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 5,476,878	\$ 239,632	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,716,511
Metropolitan Sewer Utility Fund	700001	399	-	-	-	-	-	-	-	-	-	399
Total		\$ 5,477,278	\$ 239,632	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,716,911

Public Utilities

Sewer CIP Emergency Reserve / ABT00007

Bldg - Other City Facility / Structures

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Rashid, Surrayaya
Duration:	2010 - 2040		858-654-4112
Improvement Type:	Betterment		srashid@sanidiego.gov

Description: This project is an emergency capital reserve intended to be used for emergency capital needs.

Justification: This reserve is required to comply with the City's reserve policy 100-20.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project acts as a reserve to fund projects on an as-needed basis. Projects utilizing this funding source are consistent with applicable community plans and are in conformance with the City's General Plan.

Schedule: The reserve will be used on an as-needed basis and will be held as a continuing appropriation.

Summary of Project Changes: No significant changes have been made to this project for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ -	\$ 5,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000,000
Muni Sewer Utility - CIP Funding Source	700008	-	5,000,000	-	-	-	-	-	-	-	-	5,000,000
Total		\$ -	\$ 10,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000,000

Public Utilities

Sewer Main Replacements / AJA00001

Wastewater - Collection Sys - Main

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Phung, Tung
Duration:	2010 - 2040		858-292-6425
Improvement Type:	Replacement		tphung@sandiego.gov

Description: This annual allocation provides for the installation/replacement of deteriorated and undersized sewer mains at various locations within the Municipal Wastewater System.

Justification: This annual allocation provides for the replacement of sewer mains that are in a deteriorated condition or are undersized.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the applicable community plans and is in conformance with the City's General Plan.

Schedule: Projects will be scheduled on a priority basis.

Summary of Project Changes: Total project cost has increased due to updates to the cost and schedule of subprojects.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 3,995,252	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,995,252
Muni Sewer Utility - CIP Funding Source	700008	305,903,428	54,479,501	66,884,337	-	85,292,180	97,752,273	46,009,634	36,474,171	-	-	692,795,524
Municipal Sewer Revenue Fund	700000	313,437	(4,926)	-	-	-	-	-	-	-	-	308,511
Total		\$ 310,212,117	\$ 54,474,574	\$ 66,884,337	\$ -	\$ 85,292,180	\$ 97,752,273	\$ 46,009,634	\$ 36,474,171	\$ -	\$ -	\$ 697,099,287

Public Utilities

South San Diego Reservoir Replacement / S23004

Bldg - Water - Reservoirs/Dams

Council District:	Non-City	Priority Score:	97
Community Planning:	Non-City	Priority Category:	High
Project Status:	New	Contact Information:	Greek, Ryan
Duration:	2023 - 2029		619-533-3767
Improvement Type:	Replacement		rsgreek@sandiego.gov

Description: The project will replace the existing 15 million gallons (MG) rectangular concrete reservoir with two (2) 7.7 MG prestressed circular tanks and relocate Coronado Wye valving to reservoir site.

Justification: The reservoir has reached the end of its estimated useful life.

Operating Budget Impact: None.

Relationship to General and Community Plans: The project is outside of the city limits and there is no community planning area.

Schedule: Design is scheduled to begin in Fiscal Year 2024 and construction is anticipated to begin in Fiscal Year 2026.

Summary of Project Changes: This is a new project for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con	Appn	FY 2023		FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
					FY 2023	Anticipated							
Water Utility - CIP Funding Source	700010	\$ -	\$ -	\$ -	500,000	\$ -	2,000,000	\$ 8,000,000	\$ 14,000,000	\$ 12,000,000	\$ 9,100,000	\$ -	\$ 45,600,000
Total		\$ -	\$ -	\$ -	500,000	\$ -	2,000,000	\$ 8,000,000	\$ 14,000,000	\$ 12,000,000	\$ 9,100,000	\$ -	\$ 45,600,000

Public Utilities

Standpipe and Reservoir Rehabilitations / ABL00001

Bldg - Water - Standpipes

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Phung, Tung
Duration:	2010 - 2040		858-292-6425
Improvement Type:	Replacement		tphung@sandiego.gov

Description: This annual allocation provides for rehabilitation, upgrades, and improvement projects at reservoirs, dams, and standpipes to improve operations and extend their service life.

Justification: The existing reservoirs, dams, and standpipes in the water system have deteriorated and need to be reconstructed or replaced to meet the current Occupational Safety and Health Act and Environmental Protection Agency safety and water quality standards.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with applicable community plans and is in conformance with the City's General Plan.

Schedule: Projects will be scheduled on a priority basis.

Summary of Project Changes: Total project cost has decreased due to updates to the cost and schedule of subprojects.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Grant Fund-Enterprise-State	710001	\$ 2,534,851	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,534,851
Water Utility - CIP Funding Source	700010	19,965,063	2,901,596	2,300,000	-	7,990,436	14,781,595	8,118,993	1,883,247	-	-	57,940,930
Water Utility Operating Fund	700011	35,430	-	-	-	-	-	-	-	-	-	35,430
Total		\$ 22,535,343	\$ 2,901,595	\$ 2,300,000	\$ -	\$ 7,990,436	\$ 14,781,595	\$ 8,118,993	\$ 1,883,247	\$ -	\$ -	\$ 60,511,210

Public Utilities

Tecolote Canyon Trunk Sewer Improvement / S15020

Wastewater - Collection Sys - Trunk Swr

Council District:	2 6 7	Priority Score:	84
Community Planning:	Clairemont Mesa; Linda Vista	Priority Category:	Medium
Project Status:	Continuing	Contact Information:	Narvaez, Rex
Duration:	2015 - 2026		619-533-5127
Improvement Type:	Replacement - Rehab		rnarvaez@sanidiego.gov

Description: This project upsizes approximately 3.82 miles of existing 15 to 21-inch vitrified clay (VC) sewer pipe to new 18- to 30-inch PVC in Tecolote Canyon to provide additional capacity, and to rehabilitate approximately 1.21 miles of existing 15-inch VC sewer pipe. An access path is also being designed and constructed as part of the project.

Justification: Improvements are needed to accommodate future flow capacity and address deteriorated conditions within the Tecolote Canyon Trunk Sewer.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the Clairemont Mesa Community Plan and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2016 and will be completed in Fiscal Year 2023. Construction is scheduled to begin in Fiscal Year 2023 and is anticipated to be completed in Fiscal Year 2026.

Summary of Project Changes: Total project cost has increased by \$13.0 million due to revised engineer's estimate for both construction cost and management of construction with consideration of current market increases. The project schedule has been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Muni Sewer Utility - CIP Funding Source	700008	\$ 2,562,060	\$ 17,617,939	\$ 16,000,000	\$ -	\$ 6,000,000	\$ 5,000,000	\$ 820,000	\$ -	\$ -	\$ -	\$ 48,000,000
Total		\$ 2,562,060	\$ 17,617,939	\$ 16,000,000	\$ -	\$ 6,000,000	\$ 5,000,000	\$ 820,000	\$ -	\$ -	\$ -	\$ 48,000,000

Public Utilities

TH 16" Water Mains / RD21007

Water - Distribution Sys - Transmission

Council District:	5	Priority Score:	N/A
Community Planning:	Torrey Highlands	Priority Category:	N/A
Project Status:	Continuing	Contact Information:	Taleghani, Reza
Duration:	2021 - 2024		619-533-3673
Improvement Type:	New		rtaleghani@sandiego.gov

Description: This project is the extension of a 16" water line in Camino Del Sur from the SR-56 to 1,600 feet north of Park Village Road and in Carmel Mountain Road from the SR-56 to Camino Del Sur. Project also includes a 16" recycled water line extension in Camino Del Sur from the SR-56 to 1,600 feet north of Park Village Road. This is project U-3 in the Torrey Highlands Public Facilities Financing Plan.

Justification: This project implements the Torrey Highlands Subarea Plan.

Operating Budget Impact: The operating and maintenance funding for this project will be included in the Public Utilities budget.

Relationship to General and Community Plans: The project is consistent with the Torrey Highlands Subarea Plan and is in conformance with the City's General Plan.

Schedule: This project is being constructed by a developer pursuant to an executed reimbursement agreement with the City of San Diego. Design and construction began in Fiscal Year 2021 and is anticipated to be completed in early Fiscal Year 2023. Reimbursement payments to the developer began in Fiscal Year 2021 and are expected to be finalized in Fiscal Year 2024.

Summary of Project Changes: The balance of future reimbursements to the developer is anticipated to be made in FBA credits.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Torrey Highlands	400094	\$ 327,877	\$ 10,259	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	338,137
Total		\$ 327,877	\$ 10,259	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	338,137

Public Utilities

Tierrasanta (Via Dominique) Pump Station / S12040

Bldg - Water - Pump Stations

Council District:	7	Priority Score:	96
Community Planning:	Tierrasanta	Priority Category:	High
Project Status:	Warranty	Contact Information:	Van Martin, Debbie
Duration:	2010 - 2024		619-533-6651
Improvement Type:	Expansion		dvanmartin@sandiego.gov

Description: This project provides for a new station with a total pump station capacity of 13.9 million gallons per day (MGD), and 2,900 feet of 16-inch transmission mains. It will replace the existing temporary Tierrasanta Pump Station and Via Dominique Pump Station and will serve the Tierrasanta Norte 900 Zone and the Tierrasanta 752 Zone.

Justification: The existing pump stations are past their useful life and are heavily deteriorated and inefficient.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the Tierrasanta Community Plan and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2013 and was completed in Fiscal Year 2016.

Construction began in Fiscal Year 2017 and was completed in Fiscal Year 2022.

Summary of Project Changes: The total project cost has increased by \$1.2 million due to estimated construction claims by the contractor. \$1.2 million of Water Utility- CIP funding has been allocated to this project in Fiscal Year 2022 via City Council resolution. The project schedule has been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 17,094,696	\$ 1,824,299	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,918,996
Water Utility Operating Fund	700011	1,313	(1,313)	-	-	-	-	-	-	-	-	-
Total		\$ 17,096,009	\$ 1,822,986	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,918,996

Public Utilities

University Ave Pipeline Replacement / S11021

Water - Distribution Sys - Distribution

Council District:	3	Priority Score:	93
Community Planning:	Uptown; North Park	Priority Category:	Medium
Project Status:	Warranty	Contact Information:	Vitelle, Brian
Duration:	2011 - 2024		619-533-5105
Improvement Type:	Replacement		bvitelle@sanidiego.gov

Description: This project replaces 23,072 linear feet of the existing cast iron University Avenue Pipeline with a new 16-inch distribution line along the entire alignment of the pipeline. This project will connect crossing distribution lines at all intersections, and re-connect all services, including tunneling at State Route 163.

Justification: This project will replace the existing deteriorated cast iron pipe. The University Avenue Pipeline was built in 1912 and lined with concrete in 1974. The replacement of cast-iron pipes is mandated by the California Department of Public Health's (CDPH) Compliance Order. The new pipeline will provide supply reliability and improve water quality.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the Uptown and North Park Community Plans and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2012 and was completed in Fiscal Year 2015.

Construction began in Fiscal Year 2015 and was completed in Fiscal Year 2022.

Summary of Project Changes: Total project cost increased by \$250,000 due to revised construction and construction management costs. \$250,000 in Water Utility - CIP funding has been allocated to this project in Fiscal Year 2022 via City Council resolution. The project schedule has been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 28,048,212	\$ 1,121,584	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 29,169,796
Water Utility Operating Fund	700011	130,204	-	-	-	-	-	-	-	-	-	130,204
Total		\$ 28,178,415	\$ 1,121,584	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 29,300,000

Public Utilities

University Heights Reservoir Rehabilitation / S20002

Bldg - Water - Reservoirs/Dams

Council District:	3	Priority Score:	94
Community Planning:	Greater North Park	Priority Category:	High
Project Status:	Continuing	Contact Information:	Ammerlahn, Parita
Duration:	2020 - 2026		619-533-5406
Improvement Type:	Replacement		pammerlahn@sandiego.gov

Description: This project will install Supervisory Control and Data Acquisition (SCADA) and instruments, install valves, update the Valve Building, install mixing appurtenance, and fix structural issues with reservoir.

Justification: The Reservoir needs repairs to remain in service, the yard-piping needs to be reconfigured to connect to the proposed Otay 1st and 2nd Pipelines West of Highland Avenue Project, and address water quality issues.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the North Park Community Plan and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2022 and was subsequently placed on hold while being evaluated by department management.

Summary of Project Changes: The project schedule has been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 94,004	\$ 1,905,995	\$ -	\$ -	\$ 4,500,000	\$ 4,400,000	\$ 7,300,000	\$ -	\$ -	\$ -	\$ 18,200,000
Total		\$ 94,004	\$ 1,905,995	\$ -	\$ -	\$ 4,500,000	\$ 4,400,000	\$ 7,300,000	\$ -	\$ -	\$ -	\$ 18,200,000

Public Utilities

Unscheduled Projects / AJA00003

Wastewater - Collection Sys - Main

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Phung, Tung
Duration:	2010 - 2040		858-292-6425
Improvement Type:	Replacement		tphung@sandiego.gov

Description: This annual allocation provides for the repair and replacement of municipal and metropolitan sewers in need of emergency repairs.

Justification: This annual allocation provides for emergency repairs and replacement of sewer pipeline to avoid failures of the Municipal and Metropolitan Sewer System.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with applicable community plans and is in conformance with the City's General Plan.

Schedule: Projects are scheduled on a priority basis.

Summary of Project Changes: No significant changes have been made to this project for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 142,018	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	142,018
Muni Sewer Utility - CIP Funding Source	700008	210,947	1,119,661	-	-	-	-	-	-	-	-	1,330,607
Municipal Sewer Revenue Fund	700000	28,273	-	-	-	-	-	-	-	-	-	28,273
Total		\$ 381,237	\$ 1,119,660	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,500,898

Public Utilities

Upas St Pipeline Replacement / S11022

Water - Distribution Sys - Distribution

Council District:	2 3	Priority Score:	93
Community Planning:	Uptown; Greater North Park; Midway - Pacific Highway	Priority Category:	Medium
Project Status:	Warranty	Contact Information:	Ammerlahn, Parita
Duration:	2011 - 2024		619-533-5406
Improvement Type:	Replacement		pammerlahn@sandiego.gov

Description: This project replaces 5.67 miles of cast iron mains along the Upas Street Pipeline from Ray Street to Pacific Highway, as well as portions of the 5th Avenue pipeline and the Park Boulevard pipeline. This project also installs one new pressure reducing station and replaces three existing pressure reducing stations.

Justification: This project will replace the existing deteriorated cast iron pipe. The new pipeline will improve supply reliability and water quality.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the Uptown, Greater North Park, and Midway-Pacific Highway Community Plans and is in conformance with the City's General Plan.

Schedule: Design began in Fiscal Year 2012 and was completed in Fiscal Year 2014.

Construction began in Fiscal Year 2014 and was completed in Fiscal Year 2020.

Summary of Project Changes: The project is being completed with savings. \$1.0 million of Water Utility - CIP funding was removed from this project in Fiscal Year 2022 via City Council resolution. The project schedule has been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
PFFA-Water Rev Bonds Series 2016A	700095	\$ 2,317,395	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,317,395
Water Utility - CIP Funding Source	700010	33,175,624	658,898	-	-	-	-	-	-	-	-	33,834,522
Water Utility Operating Fund	700011	113,103	-	-	-	-	-	-	-	-	-	113,103
Total		\$ 35,606,122	\$ 658,897	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,265,019

Public Utilities

Water & Sewer Group Job 816 (W) / S13015

Water - Distribution Sys - Distribution

Council District:	2	Priority Score:	90
Community Planning:	Pacific Beach	Priority Category:	Low
Project Status:	Warranty	Contact Information:	Sleiman, Alexander
Duration:	2013 - 2024		619-533-7588
Improvement Type:	Expansion		asleiman@sandiego.gov

Description: This project is in the Pacific Beach Community and provides for the replacement and expansion of 30,879 linear feet of various pipe materials and sizes. This project also installs curb ramps and paving due to modifications to a pressure reducing station.

Justification: The majority of Pacific Beach Community pipelines are made of cast iron and are due for replacement in accordance with California Department of Public Health's (CDPH) Compliance Order. This project is intended to reduce maintenance and improve service.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with the Pacific Beach Community Plan and is in conformance with the City's General Plan.

Schedule: Planning began in Fiscal Year 2012 and was completed in Fiscal Year 2013. Predesign began in Fiscal Year 2013 and was completed in Fiscal Year 2015. Design and Construction of Phase 1 began in Fiscal Year 2015 and was completed in Fiscal Year 2016. Design and Construction of Phase 2 began in Fiscal Year 2016 and was completed in Fiscal Year 2017. Design and Construction of Phase 3 began in Fiscal Year 2017 and was completed in Fiscal Year 2018. Design and Construction of Phase 4 began in Fiscal Year 2018 and was completed in Fiscal Year 2021.

Summary of Project Changes: The project schedule has been updated for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 15,944,983	\$ 2,254,408	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,199,392
Total		\$ 15,944,983	\$ 2,254,408	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,199,392

Public Utilities

Water CIP Emergency Reserve / ABT00008

Bldg - Other City Facility / Structures

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Rashid, Surrayya
Duration:	2010 - 2040		858-654-4112
Improvement Type:	Betterment		srashid@sanidiego.gov

Description: This annual allocation provides for an emergency financial reserve for Water Fund capital improvement projects.

Justification: This reserve is required to comply with the City's reserve policy 100-20.

Operating Budget Impact: None.

Relationship to General and Community Plans: Projects utilizing this funding source are consistent with applicable community plans and are in conformance with the City's General Plan.

Schedule: This reserve will be used on an as-needed basis and will be held as a continuing appropriation.

Summary of Project Changes: No significant changes have been made to this project for Fiscal Year 2023.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ -	\$ 5,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000,000
Total		\$ -	\$ 5,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000,000

Public Utilities

Water Main Replacements / AKB00003

Water - Distribution Sys - Distribution

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Phung, Tung
Duration:	2010 - 2040		858-292-6425
Improvement Type:	Replacement		tphung@sandiego.gov

Description: This annual allocation allows for the installation/replacement of water mains at various locations throughout the City.

Justification: Water mains require replacement due to their deteriorated condition or size limitation. The existing pipeline is either approaching or has exceeded its expected life. The replacement of cast iron pipes is mandated by the California Department of Public Health's (CDPH) Compliance Order.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with applicable community plans and is in conformance with the City's General Plan.

Schedule: Projects will be scheduled on a priority basis.

Summary of Project Changes: Total project cost has increased due to updates to the cost and schedule of subprojects.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 257,749	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 257,749
PFFA-Water Rev Bonds Series 2016A	700095	897,068	-	-	-	-	-	-	-	-	-	897,068
Water SDG&E Utility Relocation	700105	1,802,620	-	-	-	-	-	-	-	-	-	1,802,620
Water Utility - CIP Funding Source	700010	440,142,526	73,525,683	98,897,872	-	110,295,349	93,500,958	64,864,291	71,737,782	-	-	952,964,461
Water Utility Operating Fund	700011	122,737	(13,859)	-	-	-	-	-	-	-	-	108,879
Total		\$ 443,222,701	\$ 73,511,824	\$ 98,897,872	\$ -	\$ 110,295,349	\$ 93,500,958	\$ 64,864,291	\$ 71,737,782	\$ -	\$ -	\$ 956,030,777

Public Utilities

Water Pump Station Restoration / ABJ00001

Bldg - Water - Pump Stations

Council District:	Citywide	Priority Score:	Annual
Community Planning:	Citywide	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Phung, Tung
Duration:	2010 - 2040		858-292-6425
Improvement Type:	Replacement		tphung@sandiego.gov

Description: This annual allocation provides for replacing deteriorated pumping equipment and appurtenances or expanding pumping capacities to meet present and future water demands.

Justification: Many existing water pump stations have reached or exceeded their anticipated service life or demands have exceeded their maximum pumping capacity. However, because of the widely varying actual lengths of service life, scheduling for pump station restoration is difficult.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with applicable community plans and is in conformance with the City's General Plan.

Schedule: Projects will be scheduled on a priority basis.

Summary of Project Changes: Total project cost has increased due to updates to the cost and schedule of subprojects.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 26,833,926	\$ 3,034,683	\$ -	\$ -	\$ 2,590,948	\$ 5,678,237	\$ 9,781,529	\$ 11,073,649	\$ -	\$ -	\$ 58,992,972
Water Utility Operating Fund	700011	39,052	(1,543)	-	-	-	-	-	-	-	-	37,509
Total		\$ 26,872,979	\$ 3,033,139	\$ -	\$ -	\$ 2,590,948	\$ 5,678,237	\$ 9,781,529	\$ 11,073,649	\$ -	\$ -	\$ 59,030,481

Public Utilities

Water SCADA IT Upgrades / T22001

Intangible Assets - Information Tech

Council District:	Citywide	Priority Score:	N/A
Community Planning:	Citywide	Priority Category:	N/A
Project Status:	Continuing	Contact Information:	Lee, Jerome
Duration:	2021 - 2026		858-614-4087
Improvement Type:	Replacement		jlee@sandiego.gov

Description: This project will replace and upgrade the existing Supervisory Control and Data Acquisition (SCADA) equipment for the water system. This project was converted from S21001 - Water SCADA IT Upgrades in Fiscal Year 2022.

Justification: The current system is over 20 years old and obsolete. The new system will enhance monitoring and control capabilities.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with applicable community plans and is in conformance with the City's General Plan.

Schedule: Planning and design for the SCADA upgrade began in Fiscal Year 2020 and implementation is anticipated to be completed in Fiscal Year 2026.

Summary of Project Changes: This project has been converted from S21001 - Water SCADA IT Upgrades.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 335,947	\$ 1,364,052	\$ 2,500,000	\$ -	\$ 8,000,000	\$ 3,500,000	\$ 400,000	\$ -	\$ -	\$ -	\$ 16,100,000
Total		\$ 335,947	\$ 1,364,052	\$ 2,500,000	\$ -	\$ 8,000,000	\$ 3,500,000	\$ 400,000	\$ -	\$ -	\$ -	\$ 16,100,000

Public Utilities

Water Treatment Plants / ABI00001

Bldg - Water - Treatment Plants

Council District:	5 7 Non-City	Priority Score:	Annual
Community Planning:	Scripps Miramar Ranch; Navajo; Non-City	Priority Category:	Annual
Project Status:	Continuing	Contact Information:	Phung, Tung
Duration:	2013 - 2040		858-292-6425
Improvement Type:	Replacement		tphung@sandiego.gov

Description: This annual allocation provides for upgrades and replacement of the treatment facilities at Alvarado, Miramar, and Otay water treatment plants.

Justification: These improvements are necessary to ensure a reliable water supply to the customers and for compliance under the Safe Drinking Water Act.

Operating Budget Impact: None.

Relationship to General and Community Plans: This project is consistent with applicable community plans and is in conformance with the City's General Plan.

Schedule: Projects will be scheduled on a priority basis.

Summary of Project Changes: Total project cost has decreased due to updates to the cost and schedule of sub-projects.

Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2023	FY 2023 Anticipated	FY 2024	FY 2025	FY 2026	FY 2027	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 4,070,587	\$ 4,950,913	\$ 1,000,000	\$ -	\$ 1,803,464	\$ 1,447,758	\$ 1,611,075	\$ 711,877	\$ -	\$ -	\$ 15,595,675
Total		\$ 4,070,587	\$ 4,950,913	\$ 1,000,000	\$ -	\$ 1,803,464	\$ 1,447,758	\$ 1,611,075	\$ 711,877	\$ -	\$ -	\$ 15,595,675