

# Public Utilities



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# Public Utilities

The Public Utilities Department (PUD) provides water, wastewater, and recycled water services to approximately 1.4 million water customers and 3.0 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.

## 2023 CIP Accomplishments

As of May 1, 2023, the Department awarded the replacement and rehabilitation of 15.64 sewer miles and 14.28 water miles. The Department has also televised 89.9 miles of sewer mains as of March 2023. To date, over 2,320 miles of sewer mains have been assessed and more than 844 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 2023:

- Construction was completed on the Sewer Group 776A Project (B16034), which consisted of installation of 0.4 miles of sewer main and rehabilitation of approximately 0.26 miles of existing sewer mains in the Mid City Eastern Area.
- Construction was completed on the Oak Park Improvements 1 Project (B21024), which consisted

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of replacement of approximately 0.29 miles of existing water mains in Mid-City Eastern community planning area.

- Construction was completed on the Talmadge AC Water Main Replacement Project (B18197), which consisted of the replacement of approximately 0.61 mi of existing water mains in the Mid-City: Kensington-Talmadge Area.
- Construction was completed on the Navajo Pump Station Project (B11023), which consisted of the construction of the new 8.4 MGD Navajo Pump Station, and demolition of the existing College Ranch Hydro Pump Station in the Navajo Area.
- Construction was completed on the Bay Ho Improv 1 Project (B19088), which consisted of the rehabilitation of approximately 5 miles of existing sewer mains in the Clairemont Mesa Area.
- Construction was completed on the Tierrasanta Improv 1 Project (B21003), which consisted of the rehabilitation of approximately 2.24 miles of existing sewer mains in the Tierrasanta Area.
- Construction was completed on the Sewer and AC Water Group 763 Project (B17116, B00374), which consisted of the replacement of approximately 0.48 miles of existing water mains and replacement of approximately 2.26 miles of existing sewer mains in the Linda Vista and Clairemont Mesa Areas.
- Construction was completed on the University Ave (Aragon-69th St) Water Main Replacement Project (B21002), which consisted of replacement of approximately 0.07 miles of existing water mains in the Mid-City: Eastern Area.
- Construction was completed on the Morena Improv 3 Project (B21056), which consisted of replacement of approximately 0.22 miles of existing water mains in the Linda Vista Area.
- Construction was completed on the Ocean Beach Improv 1A Project (B21152), which consisted of replacement of approximately 0.16 miles of existing water mains in the Ocean Beach Area.
- Construction was completed on the Soledad Pressure Reducing Station Hatch Project (B21040), which consisted of replacement of existing pressure reducing station hatch in the La Jolla Area.
- Construction was completed on the Balboa Park Pipeline Replacement Phase 2 Project (B17140), which consisted of replacement of approximately 1.92 miles of existing water mains in the Balboa Park Area.
- Construction continues on the Pipeline Rehabilitation BA-1 Project (B20014), which consists of rehabilitation of approximately 5.48 miles of existing sewer mains in the Navajo Area. The construction is anticipated to be completed in Fiscal Year 2024.
- Construction continues on the Pipeline Rehabilitation BB-1 Project (B19201), which consists of rehabilitation of approximately 6.75 miles of existing sewer mains in the Clairemont Mesa and Navajo Areas. The construction is anticipated to be completed in Fiscal Year 2024.
- Construction continues on the Balboa Park Pipeline Replacement Phase 3 Project (B17141), which consists of replacement of approximately 1.07 miles of existing water mains and installation of approximately 0.07 miles of new water mains in the Balboa Park Area. The construction is anticipated to be completed in Fiscal Year 2024.
- Construction continues on the Sewer & AC Water Group 794 Project (B16041 & B00395), which consists of replacement of approximately 1.75 miles of existing water mains and 2.72 miles of

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existing sewer mains in the community planning area of Southeastern San Diego. The construction is anticipated to be completed in Fiscal Year 2024.

- Construction continues on the College Areas Sewer and AC Water Main Replacement Project (B16022 & B16025), which consists of replacement of approximately 0.49 miles of existing water mains, installation of approximately 0.9 miles of water main, abandonment of approximately 0.35 of existing water main and replacement of approximately 0.9 miles of existing sewer mains in the College Area. The construction is anticipated to be completed in Fiscal Year 2024.
- Construction continues on the Water Group Job 952 Project (B11048), which consists of replacement of approximately 1.19 miles of existing water mains in the community planning areas of Downtown, Greater Golden Hill, Barrio Logan and Southeastern San Diego. The construction is anticipated to be completed in 2025.
- Construction continues on the Sewer and AC Water Group 765A Project (B18071 & B18073), which consists of replacement of approximately 3.47 miles of existing water mains, abandonment of approximately 0.49 miles of existing water mains, and replacement of approximately 3.53 miles of existing sewer mains in the Skyline-Paradise Hills Area. The construction is anticipated to be completed in 2026.
- Construction continues on the AC Water Group 1027A Project (B21055), which consists of replacement of 0.82 miles of existing water mains in the North Park Area. The construction is anticipated to be completed in 2024.
- Construction continues on the Corridor Improv 2 Project (B20042, B20044), which consists of replacement or rehabilitation of approximately 1.55 miles of existing sewer mains and replacement of approximately 1.87 miles of existing water mains in the Mid-City: City Heights and Normal Heights Areas. The construction is anticipated to be completed in Fiscal Year 2026.
- Construction continues on the Scripps Ranch Improv 1 Project (B18204, B18208), which consists of replacement of approximately 0.63 miles of existing sewer mains and replacement of 1.33 miles of existing water mains in the Scripps Miramar Ranch Area. The construction is anticipated to be completed in Fiscal Year 2024.
- Construction continues on the AC Water and Sewer Group 1023B Project (B19204, B19205), which consists of replacement of approximately 0.91 miles of existing water mains, replacement of approximately 0,09 miles of existing sewer mains, and rehabilitation of approximately 0,02 miles of existing sewer mains in the North Park area. The construction is anticipated to be completed in Fiscal Year 2024.

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)
- Pure Water Program Phase 2 (ALA00002)

The following accomplishments were reached on the Pure Water Program:

- Awarded and started construction contracts for Miramar Reservoir Pump Station Improvements

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(B17190), and the Penasquitos Pump Station Oxygenation System (B21001).

- Continued construction on PWP North City Water Reclamation Plant Expansion (B21060) & NCWRP Influent Pump Station and Pipeline (B15140), the Flow Equalization Basin (B21059), Metro Biosolids Center Improvements (B17006), PWP Morena Pump Station (B21061), Morena Conveyance Northern Alignment (B15141), Morena Conveyance South & Middle Pipelines (B15141), North City Pure Water Facility (B15139) and Pure Water Pump Station (B15140), and Pure Water Pipeline and De-Chlorination Facility (B16035)
- Advertised PWP Phase 2 Central Area Small-Scale Facility for construction (B21151)
- Started selection process for the Phase 2 Program Management consultant
- Continued Pure Water Independent Advisory Panel activities for PWP Phase 2 regulatory topics and discussions

## 2024 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 started 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, as well as other repairs to other key dams, and continue with several key technology projects focused on the department's Distributed Control Systems in 2024.

In Fiscal Year 2024, the PUD 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), Morena Conveyance South & Middle Pipelines (B15141), North City Pure Facility (B15139) and Pure Water Pump Station (B15140), Pure Water Pipeline and De-Chlorination Facility and Miramar Reservoir Pump Station Improvements and the Penasquitos Pump Station Oxygenation System (B21001).
- Award and start construction of Pure Water Phase 2 Central Small-Scale Facility (B21151)
- Continue activities for the Pure Water Independent Advisory Panel

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## Public Utilities: Capital Improvement Projects

Project	Prior Fiscal Years	FY 2024 Adopted	Future Fiscal Years	Project Total
30th Street Pipeline Replacement / S12010	\$ 33,503,592	\$ -	\$ 115,424	\$ 33,619,016
69th & Mohawk Pump Station / S12011	17,838,594	-	1,000,000	18,838,594
Advanced Metering Infrastructure / S17008	73,996,101	-	52,539,224	126,535,325
Alvarado 2nd Extension Pipeline / S12013	18,878,418	18,000,000	108,813,392	145,691,810
Alvarado Laboratory Improvements / L22000	6,155,000	7,136,000	106,932,000	120,223,000
Alvarado Trunk Sewer Phase IV / S15019	8,553,092	-	63,796,909	72,350,001
Alvarado WTP Filter Gallery Piping Repl / S24000	-	500,000	11,700,000	12,200,000
Barret Dam Outlet Bulkhead & Drawdown Improvements / S24002	-	2,000,000	13,500,000	15,500,000
Cielo & Woodman Pump Station / S12012	8,878,000	1,000,000	5,543,990	15,421,990
Corrosion Control / AKA00001	800,000	-	-	800,000
Dams & Reservoirs Security Improvements / S22013	5,996,860	7,560,000	13,743,140	27,300,000
East Cty Residuals Line & Mission Gorge Force Main / RD23001	57,183,804	-	-	57,183,804
El Camino Real Pipeline / L23001	500,000	950,000	13,780,000	15,230,000
El Monte Pipeline No 2 / S10008	12,648,000	-	38,015,789	50,663,789
EMTS Boat Dock Esplanade / S00319	3,430,851	-	-	3,430,851
Enviro Monitoring Tech Svcs Div Lab Remodel at NTC / S21003	5,000,000	400,000	27,890,000	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	26,500,000	17,700,000	-	44,200,000
Kearny Mesa Trunk Sewer / S20000	6,100,000	350,000	19,436,586	25,886,586
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	2,500,000	5,000,000	142,500,000	150,000,000
Lakeside Valve Station Replacement / S22003	23,207,782	-	31,297,441	54,505,223
Large Diameter Water Transmission PPL / AKA00003	44,740,372	11,678,160	20,066,757	76,485,289
Lower Otay Dam Outlet Improvements / S24003	-	2,000,000	19,890,000	21,890,000
MBC Equipment Upgrades / S17013	50,038,608	1,989,150	7,031,796	59,059,554
Metropolitan System Pump Stations / ABP00002	9,731,270	2,538,000	59,092,258	71,361,528
Metropolitan Waste Water Department Trunk Sewers / AJB00001	16,066,962	-	8,999,308	25,066,270
Metro Treatment Plants / ABO00001	34,129,965	6,138,127	42,855,861	83,123,953
Miramar Clearwell Improvements / S11024	120,328,744	-	-	120,328,744
Miramar WTP Residuals Redirection / S23012	200,000	-	21,400,000	21,600,000
Montezuma/Mid-City Pipeline Phase II / S11026	32,092,200	20,000,000	11,000,000	63,092,200
Morena Dam Upstream Face Replacement / S24001	-	2,500,000	14,275,000	16,775,000
Morena Pipeline / S16027	50,813,263	-	25,812,769	76,626,032
Murphy Canyon Trunk Sewer Repair/Rehab / S22014	7,957,388	10,000,000	33,642,612	51,600,000
NCWRP Improvements to 30 mgd / S17012	35,292,779	1,184,265	5,357,824	41,834,868
North/South Metro Interceptors Rehabilitation / S22001	500,000	3,000,000	28,460,000	31,960,000
Otay 1st/2nd PPL West of Highland Avenue / S12016	30,990,500	-	-	30,990,500
Otay 2nd Pipeline Phase 4 / S20001	4,150,000	-	33,858,900	38,008,900

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Project	Prior Fiscal Years	FY 2024 Adopted	Future Fiscal Years	Project Total
Otay 2nd Pipeline Steel Replacement Ph 5 / S21000	3,800,000	1,000,000	15,329,000	20,129,000
Otay Second Pipeline Relocation-PA / S15016	10,846,171	6,000,000	11,247,053	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	85,080,758	2,569,352	35,950,626	123,600,736
Pressure Reduction Facility Upgrades / AKA00002	5,892,224	3,319,877	10,151,481	19,363,582
PS2 Power Reliability & Surge Protection / S00312	76,100,800	-	-	76,100,800
Pump Station Restorations / ABP00001	14,986,653	500,000	11,146,123	26,632,776
Pure Water Phase 2 / ALA00002	52,736,568	11,000,000	3,636,000,000	3,699,736,568
Pure Water Pooled Contingency / P19002	47,174,231	23,948,288	8,134,661	79,257,180
Pure Water Program / ALA00001	1,279,169,973	76,510,000	150,184,539	1,505,864,512
Rancho Bernardo Industrial Pump Stn Replacement / S21004	3,050,000	-	10,148,000	13,198,000
Recycled Water Systems Upgrades / AHC00004	50,000	-	-	50,000
Sewer CIP Emergency Reserve / ABT00007	10,000,000	-	-	10,000,000
Sewer Main Replacements / AJA00001	417,458,757	48,675,107	262,921,856	729,055,720
South San Diego Reservoir Replacement / S23004	500,000	-	45,100,000	45,600,000
Standpipe and Reservoir Rehabilitations / ABL00001	19,904,417	1,847,407	31,172,905	52,924,729
Tecolote Canyon Trunk Sewer Improvement / S15020	11,180,000	6,000,000	30,820,000	48,000,000
TH 16" Water Mains / RD21007	469,213	-	155,295	624,508
Tierrasanta (Via Dominique) Pump Station / S12040	18,918,996	-	-	18,918,996
University Ave Pipeline Replacement / S11021	29,550,000	-	-	29,550,000
Unscheduled Projects / AJA00003	1,500,899	-	-	1,500,899
Upas St Pipeline Replacement / S11022	36,265,020	-	-	36,265,020
Water CIP Emergency Reserve / ABT00008	5,000,000	-	-	5,000,000
Water Main Replacements / AKB00003	553,955,180	99,388,939	371,880,222	1,025,224,341
Water Pump Station Restoration / ABJ00001	29,906,119	-	45,499,605	75,405,724
Water SCADA IT Upgrades / T22001	4,200,000	3,500,000	8,400,000	16,100,000
Water & Sewer Group Job 816 (W) / S13015	16,199,392	-	-	16,199,392
Water Treatment Plants / ABI00001	16,609,030	2,300,000	6,377,448	25,286,478
<b>Total</b>	<b>\$ 3,565,999,309</b>	<b>\$ 408,182,672</b>	<b>\$ 5,781,901,070</b>	<b>\$ 9,756,083,051</b>



**Public Utilities – Preliminary Engineering Projects**

**Pure Water Pooled Contingency / P19002**

Priority Category: **High**

Priority Score: **85**

<b>Expenditure by Funding Source</b>					
<b>Fund Name</b>	<b>Fund No</b>	<b>Exp/Enc</b>	<b>Con Appn</b>	<b>FY 2024</b>	<b>Project</b>
Metro Sewer Utility - CIP Funding Source	700009	\$ -	\$ 13,219,718	\$ 9,100,349	\$ 25,100,394
Water Utility - CIP Funding Source	700010	-	33,954,513	14,847,939	54,156,786
<b>Total</b>		<b>\$ -</b>	<b>\$ 47,174,231</b>	<b>\$ 23,948,288</b>	<b>\$ 79,257,180</b>



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# Public Utilities

## 30th Street Pipeline Replacement / S12010

## Water - Distribution Sys - Transmission

<b>Council District:</b>	3 8 9	<b>Priority Score:</b>	93
<b>Community Planning:</b>	Greater North Park; Greater Golden Hill; Southeastern San Diego	<b>Priority Category:</b>	High
<b>Project Status:</b>	Warranty	<b>Contact Information:</b>	Ramos-Banuelos, Jaime
<b>Duration:</b>	2014 - 2025		619-533-5103
<b>Improvement Type:</b>	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 2014 and was completed in Fiscal Year 2017. Construction began in Fiscal Year 2018 and was substantially completed in Fiscal Year 2022. Remaining construction activities are anticipated to be completed in Fiscal Year 2024, with project closeout anticipated in Fiscal Year 2025.

**Summary of Project Changes:** The total project cost increased by \$115,424 due to increased construction costs. The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024		FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
					Actual	Anticipated							
Water Utility - CIP Funding Source	700010	\$ 31,880,214	\$ 1,623,377	\$ -	\$ 115,424	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 33,619,016
Water Utility Operating Fund	700011	(1,163)	1,163	-	-	-	-	-	-	-	-	-	-
<b>Total</b>		<b>\$ 31,879,051</b>	<b>\$ 1,624,540</b>	<b>\$ -</b>	<b>\$ 115,424</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 33,619,016</b>

# Public Utilities

## 69th & Mohawk Pump Station / S12011

## Bldg - Water - Pump Stations

<b>Council District:</b>	4 9	<b>Priority Score:</b>	96
<b>Community Planning:</b>	College Area; Mid-City: Eastern Area	<b>Priority Category:</b>	High
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Van Martin, Debbie
<b>Duration:</b>	2013 - 2026		619-533-6651
<b>Improvement Type:</b>	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 2017 and is anticipated to be completed in Fiscal Year 2024. The project is anticipated to be closed by Fiscal Year 2026 due to a pending closeout activities.

**Summary of Project Changes:** \$1.0 million in Water Utility - CIP funding has been allocated to this project in Fiscal Year 2023 via City Council resolution. The total project costs increased by \$1.0 million due to unforeseen conditions and anticipated increase in the start-up scope. The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 16,961,844	\$ 876,749	\$ -	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,838,594
<b>Total</b>		<b>\$ 16,961,844</b>	<b>\$ 876,749</b>	<b>\$ -</b>	<b>\$ 1,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 18,838,594</b>

# Public Utilities

## Advanced Metering Infrastructure / S17008

## Bldg - Other City Facility / Structures

<b>Council District:</b>	Citywide	<b>Priority Score:</b>	59
<b>Community Planning:</b>	Citywide	<b>Priority Category:</b>	Low
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Juarez, Timothy
<b>Duration:</b>	2017 - 2031		619-527-3110
<b>Improvement Type:</b>	Betterment		tjuarez@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 readings. 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. A contractor has been chosen and successfully onboarded in Fiscal Year 2024 to reassess the project and formulate a deployment plan.

**Summary of Project Changes:** The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Grant Fund-Enterprise-Federal	710000	\$ 7,283	\$ 992,395	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 999,679
Muni Sewer Utility - CIP Funding Source	700008	11,979,126	9,919,800	-	-	6,683,035	3,725,238	5,353,494	-	-	-	37,660,693
Water Utility - CIP Funding Source	700010	28,843,813	22,253,683	-	-	15,593,747	8,692,223	12,491,487	-	-	-	87,874,953
<b>Total</b>		<b>\$ 40,830,222</b>	<b>\$ 33,165,878</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 22,276,782</b>	<b>\$ 12,417,461</b>	<b>\$ 17,844,981</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 126,535,325</b>

# Public Utilities

## Alvarado 2nd Extension Pipeline / S12013

## Water - Distribution Sys - Transmission

<b>Council District:</b>	2 3 7 9	<b>Priority Score:</b>	78
<b>Community Planning:</b>	Mission Valley; Mission Bay Park; Linda Vista	<b>Priority Category:</b>	Low
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Ramos-Banuelos, Jaime
<b>Duration:</b>	2016 - 2031		619-533-5103
<b>Improvement Type:</b>	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 2016 and is anticipated to be completed in Fiscal Year 2024. Construction is scheduled to begin in Fiscal Year 2024 and is anticipated to be substantially completed in Fiscal Year 2029. Remaining construction activities are anticipated to be completed in Fiscal Year 2029.

**Summary of Project Changes:** \$33.3 million in Water Utility - CIP funding was removed from this project in Fiscal Year 2023 via City Council resolution due to change in project schedule and project cost increased by \$20.7 million due general regional increases in construction cost. The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 8,960,507	\$ 9,917,910	\$ 18,000,000	\$ -	\$ 35,000,000	\$ 35,000,000	\$ 35,000,000	\$ 3,813,392	\$ -	\$ -	\$ 145,691,810
<b>Total</b>		<b>\$ 8,960,507</b>	<b>\$ 9,917,910</b>	<b>\$ 18,000,000</b>	<b>\$ -</b>	<b>\$ 35,000,000</b>	<b>\$ 35,000,000</b>	<b>\$ 35,000,000</b>	<b>\$ 3,813,392</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 145,691,810</b>

# Public Utilities

## Alvarado Laboratory Improvements / L22000

## Bldg - MWWD - Laboratories

<b>Council District:</b>	7	<b>Priority Score:</b>	85
<b>Community Planning:</b>	Navajo	<b>Priority Category:</b>	High
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Lozano, Edgar
<b>Duration:</b>	2022 - 2031		619-533-6613
<b>Improvement Type:</b>	Betterment		elozano@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. Phase 3 includes the installation temporary trailers to house approximately 20 PUD staff from the Environmental Monitoring & Technical Services Division. 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:** Conceptual design and bridging documents of Phases 1 & 2 began in Fiscal Year 2023 and be completed in Fiscal Year 2026. Design Build contract of Phases 1 & 2 are anticipated to begin in Fiscal Year 2027. Construction of Phases 1 & 2 are anticipated to be completed in Fiscal Year 2031. Design of Phase 3 began in Fiscal Year 2023 and will be completed in Fiscal Year 2024. Construction of Phase 3 will begin and be completed in Fiscal Year 2024.

**Summary of Project Changes:** The project cost increased by \$29.0 million due to escalation, inflation costs, and construction items related to new Council policies and requirements not included in the initial estimate. The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Unidentified Funding	Project Total	
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			Future FY
Metro Sewer Utility - CIP Funding Source	700009	\$ 505,015	\$ 1,940,984	\$ 2,978,000	\$ -	\$ 4,016,000	\$ 10,235,000	\$ 16,805,000	\$ -	\$ 11,609,200	\$ -	\$ 48,089,200
Muni Sewer Utility - CIP Funding Source	700008	223,372	1,245,628	1,768,000	-	2,414,000	6,349,000	9,890,000	-	10,448,280	-	32,338,280
Water Utility - CIP Funding Source	700010	240,029	1,999,971	2,390,000	-	3,570,000	9,585,000	15,045,000	-	6,965,520	-	39,795,520
<b>Total</b>		<b>\$ 968,416</b>	<b>\$ 5,186,583</b>	<b>\$ 7,136,000</b>	<b>\$ -</b>	<b>\$ 10,000,000</b>	<b>\$ 26,169,000</b>	<b>\$ 41,740,000</b>	<b>\$ -</b>	<b>\$ 29,023,000</b>	<b>\$ -</b>	<b>\$ 120,223,000</b>

# Public Utilities

## Alvarado Trunk Sewer Phase IV / S15019

## Wastewater - Collection Sys - Trunk Swr

<b>Council District:</b>	7 9	<b>Priority Score:</b>	84
<b>Community Planning:</b>	Navajo; College Area	<b>Priority Category:</b>	Medium
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Jaro, Janice
<b>Duration:</b>	2015 - 2030		619-533-3851
<b>Improvement Type:</b>	Replacement		jjaro@sandiego.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 2015 and was completed in Fiscal Year 2020.

Construction schedule is delayed due to ongoing easement acquisition processes.

Construction is scheduled to begin in Fiscal Year 2025 and is anticipated to be substantially completed in Fiscal Year 2029.

**Summary of Project Changes:** \$28.5 million of Muni Sewer Utility - CIP Funding Source

funding was removed from this project in Fiscal Year 2023 via Council Resolution, as a construction contract will not be awarded in Fiscal Year 2023. The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Muni Sewer Utility - CIP Funding Source	700008	\$ 6,368,332	\$ 2,184,759	\$ -	\$ -	\$ 14,263,455	\$ 29,072,454	\$ 11,780,000	\$ 8,681,000	\$ -	\$ -	\$ 72,350,001
<b>Total</b>		<b>\$ 6,368,332</b>	<b>\$ 2,184,759</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 14,263,455</b>	<b>\$ 29,072,454</b>	<b>\$ 11,780,000</b>	<b>\$ 8,681,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 72,350,001</b>



# Public Utilities

## Alvarado WTP Filter Gallery Piping Repl / S24000

## Bldg - Water - Treatment Plants

<b>Council District:</b>	7	<b>Priority Score:</b>	79
<b>Community Planning:</b>	Navajo	<b>Priority Category:</b>	Medium
<b>Project Status:</b>	New	<b>Contact Information:</b>	Reyes, Mario
<b>Duration:</b>	2024 - 2029		619-533-5126
<b>Improvement Type:</b>	Replacement		mreyes@sanidiego.gov

**Description:** Alvarado Water Treatment Plant 9-16 Filter Gallery contains piping, valves and appurtenances consisting of various sizes which conveys water to and from each filter including water used to backwash each filter. This project will replace approximately 2530 linear feet of existing 304 stainless steel piping with cement-mortar lined carbon steel.  
**Justification:** Filter gallery piping has reached its service life and needs to be replaced.

**Operating Budget Impact:** None.  
**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 is scheduled to begin in Fiscal Year 2024 and construction is anticipated to be begin in Fiscal Year 2026.  
**Summary of Project Changes:** This is a newly published project for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024					Future FY	Unidentified Funding	Project Total	
				FY 2024	Anticipated	FY 2025	FY 2026	FY 2027				FY 2028
Water Utility - CIP Funding Source	700010	\$ -	\$ -	\$ 500,000	\$ -	\$ 800,000	\$ 2,000,000	\$ 5,000,000	\$ 3,000,000	\$ 900,000	\$ -	\$ 12,200,000
<b>Total</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ 800,000</b>	<b>\$ 2,000,000</b>	<b>\$ 5,000,000</b>	<b>\$ 3,000,000</b>	<b>\$ 900,000</b>	<b>\$ -</b>	<b>\$ 12,200,000</b>

# Public Utilities

## Barret Dam Outlet Bulkhead & Drawdown Improvements / S24002

## Bldg - Water - Reservoirs/Dams

<b>Council District:</b>	Non-City	<b>Priority Score:</b>	80
<b>Community Planning:</b>	Non-City	<b>Priority Category:</b>	Medium
<b>Project Status:</b>	New	<b>Contact Information:</b>	Van Martin, Debbie
<b>Duration:</b>	2024 - 2032		619-533-6651
<b>Improvement Type:</b>	New		dvanmartin@sandiego.gov

**Description:** Place a reinforced concrete bulkhead at the upstream end of the outlet tunnel, approximately 15 ft. into the outlet tunnel. This bulkhead will be anchored into the outlet tunnel wall. To achieve fully redundant emergency outlet control, a reinforced concrete outlet control vault with a manually operated sluice gate is to be installed downstream of the conduit. Replacement of the existing 30-inch tee at the base of the outlet tower and upgrade to a 42-inch tee. In addition, the 15 feet of 30-inch cast iron pipe that discharges into the outlet tunnel will be replaced with 15 feet of 42-inch stainless steel pipe. The reinforced concrete and rock lined tunnel will be cleaned and patched for spalls and cracks. The entire tunnel will be lined with polyurea lining or other similar structural liner. Project was initiated as a maintenance effort and was determined to be capital in nature.

**Justification:** California Department of Water Resources, Division Safety of Dam (DSOD) is a regulatory body who oversees and enforces dam and safety compliance of all City of San Diego raw reservoirs (Dams, Spillways, Outlet Towers and critical appurtenances). DSOD conducts annual inspection of Barrett Dam and required the City to take immediate action in repairing the deficiencies identified by DSOD. DSOD has requested this work to be completed as soon as possible due to safety concerns.

**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:** Design began in Fiscal Year 2023 using budgeted operating funds and construction is anticipated to begin in Fiscal Year 2027.

**Summary of Project Changes:** This is a newly published project for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ -	\$ -	\$ 2,000,000	\$ -	\$ 2,000,000	\$ 1,000,000	\$ 2,000,000	\$ 8,500,000	\$ -	\$ -	\$ 15,500,000
<b>Total</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,000,000</b>	<b>\$ -</b>	<b>\$ 2,000,000</b>	<b>\$ 1,000,000</b>	<b>\$ 2,000,000</b>	<b>\$ 8,500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,500,000</b>

# Public Utilities

## Cielo & Woodman Pump Station / S12012

## Bldg - Water - Pump Stations

<b>Council District:</b>	4	<b>Priority Score:</b>	79
<b>Community Planning:</b>	Southeastern (Encanto Neighborhoods)	<b>Priority Category:</b>	Medium
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Phung, Tung
<b>Duration:</b>	2014 - 2030		858-292-6425
<b>Improvement Type:</b>	Expansion		tphung@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 2014 and is on hold pending a re-evaluation for a potential scope change. Construction schedule is contingent upon the completion of design.

**Summary of Project Changes:** Total project cost has increased by \$4.4 million due to revised construction cost estimate for existing scope. The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Water Utility - CIP Funding Source	700010	\$ 2,432,889	\$ 6,445,110	\$ 1,000,000	\$ -	\$ 1,162,973	\$ -	\$ 1,000,000	\$ 2,000,000	\$ 1,381,017	\$ -	\$ 15,421,990
<b>Total</b>		<b>\$ 2,432,889</b>	<b>\$ 6,445,110</b>	<b>\$ 1,000,000</b>	<b>\$ -</b>	<b>\$ 1,162,973</b>	<b>\$ -</b>	<b>\$ 1,000,000</b>	<b>\$ 2,000,000</b>	<b>\$ 1,381,017</b>	<b>\$ -</b>	<b>\$ 15,421,990</b>

# Public Utilities

## Corrosion Control / AKA00001

## Water - Distribution Sys - Transmission

<b>Council District:</b>	Citywide	<b>Priority Score:</b>	Annual
<b>Community Planning:</b>	Citywide	<b>Priority Category:</b>	Annual
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Phung, Tung
<b>Duration:</b>	2010 - 2040		858-292-6425
<b>Improvement Type:</b>	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 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Water Utility - CIP Funding Source	700010	\$ 84,989	\$ 715,010	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 800,000
<b>Total</b>		<b>\$ 84,989</b>	<b>\$ 715,010</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 800,000</b>

# Public Utilities

## Dams & Reservoirs Security Improvements / S22013

## Bldg - Water - Reservoirs/Dams

<b>Council District:</b>	Citywide	<b>Priority Score:</b>	75
<b>Community Planning:</b>	Citywide	<b>Priority Category:</b>	Medium
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Van Martin, Debbie
<b>Duration:</b>	2022 - 2029		619-533-6651
<b>Improvement Type:</b>	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 2025. Construction is scheduled to begin in Fiscal Year 2025 and is anticipated to be substantially completed in Fiscal Year 2027.

**Summary of Project Changes:** The total project cost increased by \$4.7 million due to revised engineer's estimate. The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Water Utility - CIP Funding Source	700010	\$ 1,699,465	\$ 4,297,394	\$ 7,560,000	\$ -	\$ 11,740,000	\$ 2,003,140	\$ -	\$ -	\$ -	\$ -	\$ 27,300,000
<b>Total</b>		<b>\$ 1,699,465</b>	<b>\$ 4,297,394</b>	<b>\$ 7,560,000</b>	<b>\$ -</b>	<b>\$ 11,740,000</b>	<b>\$ 2,003,140</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 27,300,000</b>

# Public Utilities

## East Cty Residuals Line & Mission Gorge Force Main / RD23001 Wastewater - Collection Sys - Interceptor

<b>Council District:</b>	Citywide	<b>Priority Score:</b>	95
<b>Community Planning:</b>	Citywide	<b>Priority Category:</b>	High
<b>Project Status:</b>	New	<b>Contact Information:</b>	George, Nicole
<b>Duration:</b>	2023 - 2027		619-533-7443
<b>Improvement Type:</b>	New		ngeorge@sandieg.gov

**Description:** The Regional Brine Line (RBL) formerly called the East County Residuals Line and the East Mission Gorge Force Main (EMGFM) rehabilitation project involves slip lining 8 miles of the existing 48-inch EMGFM with two new pipeline for the RBL and EMGFM. The existing EMGFM conveys sewage from the East Mission Gorge Pump Station to the North Mission Valley Interceptor Sewer. The RBL will convey brine and centrate from the new East County Advanced Water Purification Residuals Pump Station to the South Mission Valley Trunk Sewer. The brine and centrate flows must bypass the North Mission Valley Interceptor so as not to be conveyed to Morena Pump Station and ultimately the City's North City Pure Water Facility. Both pipelines will be constructed by the East County Advanced Water Purification project Joint Powers Association's (ECAWP JPA) Progressive Design-Build Contractor and partially funded by the City through a cost-sharing agreement. The JPA selected Orion Construction as the progressive design-builder with GHD Inc serving as the EOR. Both pipelines will be owned by the City of San Diego at the end of the project.

**Justification:** The completion of the RBL prior to the initiation of operations of Pure Water Phase 1 (by end of 2025) is crucial. The RBL will convey brine and centrate to a point within the City's sewer system that will bypass the influent of the North City Pure Water Facility and instead convey the brine/centrate flow to Point Loma Wastewater Treatment Plant. By bypassing the North City Pure Water Facility influent, the RBL avoids potential influent water quality issues at the Pure Water Facility that may result from the introduction of the brine and centrate.

**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 agreement between the City and the JPA took effect in Fiscal Year 2023. Design began in Fiscal Year 2023 and is anticipated to be completed by the end of Fiscal Year 2024. Construction is anticipated to begin in Fiscal Year 2025 and be completed in mid-Fiscal Year 2026.

**Summary of Project Changes:** This is a newly published project for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Metro Sewer Utility - CIP Funding Source	700009	\$ 1,746	\$ 1,156,755	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,158,502
Muni Sewer Utility - CIP Funding Source	700008	5,954,696	17,719,438	-	-	-	-	-	-	-	-	23,674,134
Water Utility - CIP Funding Source	700010	8,426,858	23,924,310	-	-	-	-	-	-	-	-	32,351,168
<b>Total</b>		<b>\$ 14,383,301</b>	<b>\$ 42,800,502</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 57,183,804</b>

# Public Utilities

## El Camino Real Pipeline / L23001

## Water - Distribution Sys - Distribution

<b>Council District:</b>	1	<b>Priority Score:</b>	92
<b>Community Planning:</b>	Via De La Valle; Carmel Valley; Fairbanks Country Club; N Cty Future Urbanizing Area - Subarea 2	<b>Priority Category:</b>	Medium
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Rekani, Ronak 619-236-6251 rfrekani@sanidiego.gov
<b>Duration:</b>	2023 - 2029		
<b>Improvement Type:</b>	New		

**Description:** This project provides for construction of new water mains for El Camino North Pipeline and El Camino South Pipeline. Phase I in El Camino North will include approximately 2,685 linear feet of new water mains in El Camino Real from San Dieguito Road connecting to new pipeline on Via De La Valle. Phase II in El Camino South will include construction of approximately 4,032 linear feet of new water mains. Construction will also include valve replacements with spools and installing a new Pressure Reducing Station at El Camino Real and Sean Country Pressure Reducing Station. This project was converted from S23000 - El Camino Real Pipeline in Fiscal Year 2023.

**Justification:** This project will 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 of Phase I is anticipated to begin in Fiscal Year 2024 and be completed in Fiscal Year 2025. Construction of Phase I is anticipated to begin in Fiscal Year 2025.  
**Summary of Project Changes:** This is a newly published project for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 296,797	\$ 203,202	\$ 950,000	\$ 1,295,000	\$ 10,085,000	\$ 1,700,000	\$ 700,000	\$ -	\$ -	\$ -	\$ 15,230,000
<b>Total</b>		<b>\$ 296,797</b>	<b>\$ 203,202</b>	<b>\$ 950,000</b>	<b>\$ 1,295,000</b>	<b>\$ 10,085,000</b>	<b>\$ 1,700,000</b>	<b>\$ 700,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,230,000</b>

# Public Utilities

## El Monte Pipeline No 2 / S10008

## Water - Distribution Sys - Distribution

<b>Council District:</b>	7 Non-City	<b>Priority Score:</b>	91
<b>Community Planning:</b>	Navajo; Non-City	<b>Priority Category:</b>	Medium
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Ammerlahn, Parita
<b>Duration:</b>	2018 - 2030		619-533-5406
<b>Improvement Type:</b>	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, new manway installations, 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 2018 and is anticipated to be completed in Fiscal Year 2025. Construction is scheduled to start in Fiscal Year 2026 and is anticipated to be substantially completed in Fiscal Year 2028. Remaining construction activities are anticipated to be completed in Fiscal Year 2029.

**Summary of Project Changes:** The project description and schedule has been updated for Fiscal Year 2024. Total project cost increased by \$25.7 million due to revised scope and increased construction cost estimates.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 6,137,028	\$ 6,509,992	\$ -	\$ -	\$ 20,000,000	\$ 10,000,000	\$ 5,000,000	\$ 3,015,789	\$ -	\$ -	\$ 50,662,809
Water Utility Operating Fund	700011	979	-	-	-	-	-	-	-	-	-	979
<b>Total</b>		<b>\$ 6,138,007</b>	<b>\$ 6,509,992</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,000,000</b>	<b>\$ 10,000,000</b>	<b>\$ 5,000,000</b>	<b>\$ 3,015,789</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,663,789</b>



# Public Utilities

## EMTS Boat Dock Esplanade / S00319

## Bldg - MWWD - Laboratories

<b>Council District:</b>	2	<b>Priority Score:</b>	81
<b>Community Planning:</b>	Peninsula	<b>Priority Category:</b>	Medium
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Choi, Jong
<b>Duration:</b>	2018 - 2027		619-533-5493
<b>Improvement Type:</b>	New		jchoi@sandiego.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 2023 due to additional landscaping design required by the Coastal Commission. Construction is anticipated to begin in Fiscal Year 2024 and be completed in Fiscal Year 2025.

**Summary of Project Changes:** . The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 947,796	\$ 2,483,054	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,430,851
<b>Total</b>		<b>\$ 947,796</b>	<b>\$ 2,483,054</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,430,851</b>

### Operating Budget Impact

Department - Fund	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Metro Wastewtr Metro - METRO SEWER UTILITY	FTEs	0.00	0.00	0.00	0.00
<b>Metro Wastewtr Metro - METRO SEWER UTILITY</b>	<b>Total Impact \$</b>	<b>-</b>	<b>(14,040)</b>	<b>(14,040)</b>	<b>(14,040)</b>

# Public Utilities

## Enviro Monitoring Tech Svcs Div Lab Remodel at NTC / S21003 Bldg - MWWD - Laboratories

<b>Council District:</b>	2	<b>Priority Score:</b>	63
<b>Community Planning:</b>	Peninsula	<b>Priority Category:</b>	Low
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Lozano, Edgar
<b>Duration:</b>	2021 - 2031		619-533-6613
<b>Improvement Type:</b>	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 procurement began in Fiscal Year 2021 and design completion is anticipated in Fiscal Year 2025. Construction is scheduled to begin in Fiscal Year 2026 and is anticipated to be substantially completed in Fiscal Year 2029. Post-construction phase is anticipated to be completed in Fiscal Year 2031.

**Summary of Project Changes:** The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 2,808,478	\$ 2,191,521	\$ 400,000	\$ -	\$ 24,498,770	\$ 900,000	\$ 900,000	\$ 900,000	\$ 691,230	\$ -	\$ 33,290,000
<b>Total</b>		<b>\$ 2,808,478</b>	<b>\$ 2,191,521</b>	<b>\$ 400,000</b>	<b>\$ -</b>	<b>\$ 24,498,770</b>	<b>\$ 900,000</b>	<b>\$ 900,000</b>	<b>\$ 900,000</b>	<b>\$ 691,230</b>	<b>\$ -</b>	<b>\$ 33,290,000</b>

# Public Utilities

## Freeway Relocation / AKB00002

## Water - Distribution Sys - Distribution

<b>Council District:</b>	Citywide	<b>Priority Score:</b>	Annual
<b>Community Planning:</b>	Citywide	<b>Priority Category:</b>	Annual
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Phung, Tung
<b>Duration:</b>	2010 - 2040		858-292-6425
<b>Improvement Type:</b>	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 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Water Utility - CIP Funding Source	700010	\$ 2,157,202	\$ 214,797	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,372,000
<b>Total</b>		<b>\$ 2,157,202</b>	<b>\$ 214,797</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,372,000</b>

# Public Utilities

## Groundwater Asset Development Program / ABM00001

## Bldg - Water - Wells

<b>Council District:</b>	Citywide	<b>Priority Score:</b>	Annual
<b>Community Planning:</b>	Citywide	<b>Priority Category:</b>	Annual
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Carlson, Sandra
<b>Duration:</b>	2010 - 2040		619-533-4235
<b>Improvement Type:</b>	Replacement		carlsons@sandiego.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:** Projects will be scheduled on a priority basis.

**Summary of Project Changes:** No significant changes have been made to this project for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Water Utility - CIP Funding Source	700010	\$ -	\$ 495,328	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 495,328
<b>Total</b>		<b>\$ -</b>	<b>\$ 495,328</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 495,328</b>

# Public Utilities

## Harbor Drive Trunk Sewer / S18006

## Wastewater - Collection Sys - Trunk Swr

<b>Council District:</b>	3 8	<b>Priority Score:</b>	88
<b>Community Planning:</b>	Barrio Logan; Centre City	<b>Priority Category:</b>	Medium
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Vitelle, Brian
<b>Duration:</b>	2016 - 2026		619-533-5105
<b>Improvement Type:</b>	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 began in Fiscal Year 2023 and is anticipated to be substantially completed in Fiscal Year 2024. Remaining construction activities are anticipated to be completed in Fiscal Year 2025.

**Summary of Project Changes:** No significant changes have been made to this project for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Muni Sewer Utility - CIP Funding Source	700008	\$ 20,631,027	\$ 5,868,972	\$ 17,700,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 44,200,000
<b>Total</b>		<b>\$ 20,631,027</b>	<b>\$ 5,868,972</b>	<b>\$ 17,700,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 44,200,000</b>

# Public Utilities

## Kearny Mesa Trunk Sewer / S20000

## Wastewater - Collection Sys - Trunk Swr

<b>Council District:</b>	3 6 7	<b>Priority Score:</b>	77
<b>Community Planning:</b>	Kearny Mesa; Serra Mesa; Mission Valley	<b>Priority Category:</b>	Low
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Ammerlahn, Parita 619-533-5406 pammerlahn@sandiego.gov
<b>Duration:</b>	2019 - 2034		
<b>Improvement Type:</b>	Replacement - Rehab		

**Description:** This project involves the rehabilitation of approximately 33,900 LF (6.42 miles) of 33-, 30-, 27-, 18-, 15-, and 12-inch VC Trunk Sewer mains; Replacement of approximately 13,800 LF (2.61 mi) of 33-, 30-, 18-, 15-, and 12-inch VC Trunk Sewer; Abandonment of approximately 3,800 LF (0.72 mi) of 12-inch VC Trunk Sewer; and point repairs, sewer lateral (rehab and/or replacement), sewer manholes (rehab, repair, and/or replacement), cleanouts and other appurtenances. The project would also include the following improvements: curb ramps, slurry and street resurfacing, and traffic control. This project will be executed in two phases. Phase 1 is planned to deliver 2.7 miles of sewer pipeline; Phase 2 is planned to deliver the remaining scope.

**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 for Phase 1 began in Fiscal Year 2021 and is anticipated to be completed in Fiscal Year 2025. Construction for Phase 1 is anticipated to begin in Fiscal Year 2026 and is anticipated to be substantially completed in Fiscal Year 2031. Design for Phase 2 began in Fiscal Year 2021 and is anticipated to be completed in Fiscal Year 2030. Construction for Phase 2 is anticipated to begin in Fiscal Year 2030 and be substantially completed in Fiscal Year 2033. Remaining construction activities are anticipated to be completed in Fiscal Year 2034.

**Summary of Project Changes:** Project schedule experienced delay due to scoping determinations and consultant negotiations. The project description and schedule have been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Muni Sewer Utility - CIP Funding Source	700008	\$ 5,437,093	\$ 662,906	\$ 350,000	\$ -	\$ 8,550,000	\$ 10,886,586	\$ -	\$ -	\$ -	\$ -	\$ 25,886,586
<b>Total</b>		<b>\$ 5,437,093</b>	<b>\$ 662,906</b>	<b>\$ 350,000</b>	<b>\$ -</b>	<b>\$ 8,550,000</b>	<b>\$ 10,886,586</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 25,886,586</b>

# Public Utilities

## Kearny Villa Rd Pipeline / S23001

## Water - Distribution Sys - Transmission

<b>Council District:</b>	6	<b>Priority Score:</b>	86
<b>Community Planning:</b>	Kearny Mesa	<b>Priority Category:</b>	Medium
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Phung, Tung
<b>Duration:</b>	2023 - 2031		858-292-6425
<b>Improvement Type:</b>	New		tphung@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 anticipated to begin in Fiscal Year 2025 and be completed in Fiscal Year 2027. Construction is anticipated to begin in Fiscal Year 2028 and be substantially completed in Fiscal Year 2030. Remaining construction activities is anticipated to be completed in Fiscal Year 2031.

**Summary of Project Changes:** The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Water Utility - CIP Funding Source	700010	\$ -	\$ 500,000	\$ -	\$ -	\$ 2,000,000	\$ 5,000,000	\$ 10,000,000	\$ 30,900,000	\$ -	\$ -	\$ 48,400,000
<b>Total</b>		<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,000,000</b>	<b>\$ 5,000,000</b>	<b>\$ 10,000,000</b>	<b>\$ 30,900,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 48,400,000</b>

# Public Utilities

## La Jolla Scenic Drive 16inch Main / S12009

## Water - Distribution Sys - Transmission

<b>Council District:</b>	1	<b>Priority Score:</b>	82
<b>Community Planning:</b>	La Jolla	<b>Priority Category:</b>	Low
<b>Project Status:</b>	Warranty	<b>Contact Information:</b>	Narvaez, Rex
<b>Duration:</b>	2015 - 2025		619-533-5127
<b>Improvement Type:</b>	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 2016. Construction began in Fiscal Year 2017 and was substantially completed in Fiscal Year 2022. Remaining construction activities were completed in Fiscal Year 2023.

**Summary of Project Changes:** The project schedule has been updated for Fiscal Year 2024. This project is anticipated to be closed by the end of the fiscal year.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024						Unidentified Funding	Project Total	
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY			
Water Utility - CIP Funding Source	700010	\$ 11,940,089	\$ 407,910	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,348,000
<b>Total</b>		<b>\$ 11,940,089</b>	<b>\$ 407,910</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 12,348,000</b>



# Public Utilities

## La Jolla View Reservoir / S15027

## Water - Distribution Sys - Distribution

<b>Council District:</b>	1	<b>Priority Score:</b>	80
<b>Community Planning:</b>	La Jolla	<b>Priority Category:</b>	Low
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Phung, Tung
<b>Duration:</b>	2012 - 2028		858-292-6425
<b>Improvement Type:</b>	Replacement		tphung@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:** No significant changes have been made to this project for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					FY 2028	Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027					
Water Utility - CIP Funding Source	700010	\$ 4,873,818	\$ 1,343,682	\$ -	\$ -	\$ 5,635,157	\$ 8,512,500	\$ 15,387,619	\$ -	\$ -	\$ -	\$ -	\$ 35,752,777
<b>Total</b>		<b>\$ 4,873,818</b>	<b>\$ 1,343,682</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,635,157</b>	<b>\$ 8,512,500</b>	<b>\$ 15,387,619</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 35,752,777</b>

# Public Utilities

## Lake Hodges Dam Replacement / S23002

## Bldg - Water - Reservoirs/Dams

<b>Council District:</b>	5	<b>Priority Score:</b>	92
<b>Community Planning:</b>	San Pasqual	<b>Priority Category:</b>	High
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Hong, Vien
<b>Duration:</b>	2023 - 2035		858-292-6473
<b>Improvement Type:</b>	Replacement - Rehab		vhong@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 5,996 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 Valley Community Plan and is in compliance with the City's General Plan.

**Schedule:** Design is scheduled to begin in Fiscal Year 2024 and is anticipated to be completed in Fiscal Year 2031. Construction is anticipated to begin in Fiscal Year 2032 and be completed in Fiscal Year 2036.

**Summary of Project Changes:** \$2.0 million in Water Utility - CIP funding was allocated to this project in Fiscal Year 2023 via City Council resolution. The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Water Utility - CIP Funding Source	700010	\$ 368,978	\$ 2,131,022	\$ 5,000,000	\$ -	\$ 10,000,000	\$ 20,000,000	\$ 20,000,000	\$ -	\$ 92,500,000	\$ -	\$ 150,000,000
<b>Total</b>		<b>\$ 368,978</b>	<b>\$ 2,131,022</b>	<b>\$ 5,000,000</b>	<b>\$ -</b>	<b>\$ 10,000,000</b>	<b>\$ 20,000,000</b>	<b>\$ 20,000,000</b>	<b>\$ -</b>	<b>\$ 92,500,000</b>	<b>\$ -</b>	<b>\$ 150,000,000</b>

# Public Utilities

## Lakeside Valve Station Replacement / S22003

## Water - Distribution Sys - Transmission

<b>Council District:</b>	Non-City	<b>Priority Score:</b>	94
<b>Community Planning:</b>	Non-City	<b>Priority Category:</b>	High
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Ammerlahn, Parita
<b>Duration:</b>	2022 - 2028		619-533-5406
<b>Improvement Type:</b>	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 was completed in Fiscal Year 2023. Construction is scheduled to begin in Fiscal Year 2024 and is anticipated to be substantially completed in Fiscal Year 2027.

**Summary of Project Changes:** The total project cost increased by \$12.1 million due to increased construction costs. The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Water Utility - CIP Funding Source	700010	\$ 5,217,983	\$ 17,989,798	\$ -	\$ -	\$ 31,297,441	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54,505,223
<b>Total</b>		<b>\$ 5,217,983</b>	<b>\$ 17,989,798</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 31,297,441</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 54,505,223</b>

# Public Utilities

## Large Diameter Water Transmission PPL / AKA00003

## Water - Distribution Sys - Transmission

<b>Council District:</b>	Citywide	<b>Priority Score:</b>	Annual
<b>Community Planning:</b>	Citywide	<b>Priority Category:</b>	Annual
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Phung, Tung
<b>Duration:</b>	2010 - 2040		858-292-6425
<b>Improvement Type:</b>	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 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Water Utility - CIP Funding Source	700010	\$ 34,959,168	\$ 9,781,203	\$ 11,678,160	\$ -	\$ 11,703,729	\$ 5,737,420	\$ 58,636	\$ 2,566,972	\$ -	\$ -	\$ 76,485,288
Water Utility Operating Fund	700011	363	(363)	-	-	-	-	-	-	-	-	-
<b>Total</b>		<b>\$ 34,959,530</b>	<b>\$ 9,780,840</b>	<b>\$ 11,678,160</b>	<b>\$ -</b>	<b>\$ 11,703,729</b>	<b>\$ 5,737,420</b>	<b>\$ 58,636</b>	<b>\$ 2,566,972</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 76,485,288</b>

# Public Utilities

## Lower Otay Dam Outlet Improvements / S24003

## Bldg - Water - Reservoirs/Dams

<b>Council District:</b>	Non-City	<b>Priority Score:</b>	76
<b>Community Planning:</b>	Non-City	<b>Priority Category:</b>	Medium
<b>Project Status:</b>	New	<b>Contact Information:</b>	Van Martin, Debbie
<b>Duration:</b>	2024 - 2034		619-533-6651
<b>Improvement Type:</b>	New		dvanmartin@sandiego.gov

**Description:** A pipe conduit would be installed through the dam with valves at the upstream (water facing) and downstream (dry facing), on the right side of the main spillway, approximately 18 feet right of the spillway training wall. Pipe size and material would be – 66-inch diameter steel pipe within a 56-foot long tunnel through the dam, the annular space between the tunnel and steel pipe will be filled with grout. Project was initiated as a maintenance effort and was determined to be capital in nature.

**Justification:** California Department of Water Resources, Division Safety of Dam (DSOD) is a regulatory body who oversees and enforces dam and safety compliance of all City of San Diego raw reservoirs (Dams, Spillways, Outlet Towers and critical appurtenances). DSOD conducts annual inspection of Savage Dam and required the City to take immediate action in repairing the deficiencies identified by DSOD. DSOD has requested this work to be completed as soon as possible due to safety concerns.

**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:** Design began in Fiscal Year 2023 using budgeted operating funds and construction is anticipated to begin in Fiscal Year 2029.

**Summary of Project Changes:** This is a newly published project for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Water Utility - CIP Funding Source	700010	\$ -	\$ -	\$ 2,000,000	\$ -	\$ 2,000,000	\$ 1,000,000	\$ 3,000,000	\$ 13,890,000	\$ -	\$ -	\$ 21,890,000
<b>Total</b>		\$ -	\$ -	\$ 2,000,000	\$ -	\$ 2,000,000	\$ 1,000,000	\$ 3,000,000	\$ 13,890,000	\$ -	\$ -	\$ 21,890,000

# Public Utilities

## MBC Equipment Upgrades / S17013

## Bldg - MWWD - Treatment Plants

<b>Council District:</b>	6	<b>Priority Score:</b>	92
<b>Community Planning:</b>	Kearny Mesa	<b>Priority Category:</b>	High
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Martin, Reyhaneh
<b>Duration:</b>	2017 - 2027		858-243-5036
<b>Improvement Type:</b>	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 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 2026. This project's construction contract is being bundled with the Pure Water Program's construction contract for efficiency purposes.

**Summary of Project Changes:** \$1.5 million of Metro Sewer Utility CIP funds were added via City Council Ordinance in Fiscal Year 2023. Total project cost has increased by \$4.2 million in Fiscal Year 2024 due to revised project cost. The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 44,164,811	\$ 5,873,796	\$ 1,989,150	\$ -	\$ 3,679,078	\$ 3,352,718	\$ -	\$ -	\$ -	\$ -	\$ 59,059,553
<b>Total</b>		<b>\$ 44,164,811</b>	<b>\$ 5,873,796</b>	<b>\$ 1,989,150</b>	<b>\$ -</b>	<b>\$ 3,679,078</b>	<b>\$ 3,352,718</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 59,059,553</b>

# Public Utilities

## Metro Treatment Plants / ABO00001

## Bldg - MWWD - Treatment Plants

<b>Council District:</b>	2 6 7 8	<b>Priority Score:</b>	Annual
<b>Community Planning:</b>	Peninsula; University; Tijuana River Valley	<b>Priority Category:</b>	Annual
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Phung, Tung
<b>Duration:</b>	2010 - 2040		858-292-6425
<b>Improvement Type:</b>	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 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 18,039,768	\$ 16,090,196	\$ 6,138,127	\$ -	\$ 14,881,490	\$ 8,530,574	\$ 9,834,559	\$ 9,609,238	\$ -	\$ -	\$ 83,123,953
<b>Total</b>		<b>\$ 18,039,768</b>	<b>\$ 16,090,196</b>	<b>\$ 6,138,127</b>	<b>\$ -</b>	<b>\$ 14,881,490</b>	<b>\$ 8,530,574</b>	<b>\$ 9,834,559</b>	<b>\$ 9,609,238</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 83,123,953</b>

# Public Utilities

## Metropolitan System Pump Stations / ABP00002

## Bldg - MWWD - Pump Stations

<b>Council District:</b>	Citywide	<b>Priority Score:</b>	Annual
<b>Community Planning:</b>	Citywide	<b>Priority Category:</b>	Annual
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Phung, Tung
<b>Duration:</b>	2010 - 2040		858-292-6425
<b>Improvement Type:</b>	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 sub-projects.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 8,030,470	\$ 1,700,798	\$ 2,538,000	\$ -	\$ 2,200,869	\$ 11,195,623	\$ 15,130,234	\$ 30,565,532	\$ -	\$ -	\$ 71,361,527
<b>Total</b>		<b>\$ 8,030,470</b>	<b>\$ 1,700,798</b>	<b>\$ 2,538,000</b>	<b>\$ -</b>	<b>\$ 2,200,869</b>	<b>\$ 11,195,623</b>	<b>\$ 15,130,234</b>	<b>\$ 30,565,532</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 71,361,527</b>



# Public Utilities

## Metropolitan Waste Water Department Trunk Sewers / AJB00001

## Wastewater - Collection Sys - Trunk Swr

<b>Council District:</b>	Citywide	<b>Priority Score:</b>	Annual
<b>Community Planning:</b>	Citywide	<b>Priority Category:</b>	Annual
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Phung, Tung
<b>Duration:</b>	2010 - 2040		858-292-6425
<b>Improvement Type:</b>	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.  
**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 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Metro Sewer Utility - CIP Funding Source	700009	\$ -	\$ 280,736	\$ -	\$ -	\$ -	\$ 72,453	\$ 678,275	\$ 499,623	\$ -	\$ -	\$ 1,531,087
Muni Sewer Utility - CIP Funding Source	700008	9,265,244	6,520,982	-	-	1,633,060	1,744,026	2,906,761	1,465,110	-	-	23,535,183
<b>Total</b>		<b>\$ 9,265,243</b>	<b>\$ 6,801,718</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,633,060</b>	<b>\$ 1,816,479</b>	<b>\$ 3,585,036</b>	<b>\$ 1,964,733</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 25,066,270</b>

# Public Utilities

## Miramar Clearwell Improvements / S11024

## Bldg - Water - Standpipes

<b>Council District:</b>	5	<b>Priority Score:</b>	95
<b>Community Planning:</b>	Scripps Miramar Ranch; Miramar Ranch North	<b>Priority Category:</b>	High
<b>Project Status:</b>	Warranty	<b>Contact Information:</b>	Vitelle, Brian
<b>Duration:</b>	2012 - 2024		619-533-5105
<b>Improvement Type:</b>	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 2012 and was completed in Fiscal Year 2016. Construction began in Fiscal Year 2016 and was completed in Fiscal Year 2023. Project closeout activities will be completed in Fiscal Year 2024.

**Summary of Project Changes:** This project is anticipated to close by Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 118,657,862	\$ 1,666,386	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,324,248
Water Utility Operating Fund	700011	4,495	-	-	-	-	-	-	-	-	-	4,495
<b>Total</b>		<b>\$ 118,662,357</b>	<b>\$ 1,666,386</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 120,328,744</b>

# Public Utilities

## Miramar WTP Residuals Redirection / S23012

## Bldg - Water - Treatment Plants

<b>Council District:</b>	5	<b>Priority Score:</b>	83
<b>Community Planning:</b>	Scripps Miramar Ranch	<b>Priority Category:</b>	High
<b>Project Status:</b>	New	<b>Contact Information:</b>	Tadros, Sameh
<b>Duration:</b>	2023 - 2032		858-292-6434
<b>Improvement Type:</b>	New		stardos@sandiego.gov

**Description:** This project creates a permanent solution to redirect Miramar Water Treatment Plant (WTP) residuals to the wastewater system. Redirection of residuals away from Miramar Reservoir is required due to the retention time needed to meet Indirect Potable Reuse (IPR) requirements. To eliminate the discharge of residual solids into the Miramar reservoir, the following facilities will need to be designed/built: clarifiers for filter backwash, an equalization tank for sedimentation basin solids, sludge pumps, and piping to transport sludge to Trunk Sewer 54. The existing equalization basin at Miramar WTP will need to be evaluated to determine if retrofitting or replacement of the piping and pumps will be required to accommodate the new solids handling facilities. To avoid surcharging downstream pipes, a 582-foot section of sewer main on Canyon Lake Drive will also need to be upsized from 8-inch to 10-inch per attached modeling results.

**Justification:** Pure Water's goal of reaching 30 mgd for Phase 1 cannot be fully realized without the redirection of residuals away from Miramar Reservoir.

**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 Scripps Miramar Ranch Community Plan and is in conformance with the City's General Plan.

**Schedule:** Design is anticipated to begin in Fiscal Year 2025 and be completed in Fiscal Year 2028. Construction is anticipated to begin in Fiscal Year 2029 and be completed in Fiscal Year 2031.

**Summary of Project Changes:** This is a newly published project for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ -	\$ 200,000	\$ -	\$ -	\$ 2,000,000	\$ 1,200,000	\$ 1,000,000	\$ 15,000,000	\$ 2,200,000	\$ -	\$ 21,600,000
<b>Total</b>		<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,000,000</b>	<b>\$ 1,200,000</b>	<b>\$ 1,000,000</b>	<b>\$ 15,000,000</b>	<b>\$ 2,200,000</b>	<b>\$ -</b>	<b>\$ 21,600,000</b>

# Public Utilities

## Montezuma/Mid-City Pipeline Phase II / S11026

## Water - Distribution Sys - Distribution

<b>Council District:</b>	7 9	<b>Priority Score:</b>	82
<b>Community Planning:</b>	College Area; Navajo	<b>Priority Category:</b>	Low
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Vitelle, Brian
<b>Duration:</b>	2013 - 2028		619-533-5105
<b>Improvement Type:</b>	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 2023. Easement acquisition began in Fiscal Year 2017 and was completed in Fiscal Year 2018. Construction began in Fiscal Year 2023 and is anticipated to be substantially complete in Fiscal Year 2026. Remaining construction activities are anticipated to be completed in Fiscal Year 2027.

**Summary of Project Changes:** Construction delayed due to agency permitting delays and utility conflicts. The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Water SDG&E Utility Relocation	700105	\$ 1,389,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,389,000
Water Utility - CIP Funding Source	700010	12,627,303	17,860,786	20,000,000	-	11,000,000	-	-	-	-	-	61,488,088
Water Utility Operating Fund	700011	215,112	-	-	-	-	-	-	-	-	-	215,112
<b>Total</b>		<b>\$ 14,231,414</b>	<b>\$ 17,860,785</b>	<b>\$ 20,000,000</b>	<b>\$ -</b>	<b>\$ 11,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 63,092,200</b>

# Public Utilities

## Morena Dam Upstream Face Replacement / S24001

## Bldg - Water - Reservoirs/Dams

<b>Council District:</b>	Non-City	<b>Priority Score:</b>	79
<b>Community Planning:</b>	Non-City	<b>Priority Category:</b>	Medium
<b>Project Status:</b>	New	<b>Contact Information:</b>	Van Martin, Debbie
<b>Duration:</b>	2024 - 2030		619-533-6651
<b>Improvement Type:</b>	Replacement		dvanmartin@sandiego.gov

**Description:** Removal of existing 8-inch thick concrete facing and replace with an entire new 8-inch-thick concrete facing in the sloped section of the dam above the masonry section of the upstream face of Morena Dam. The new concrete facing will be anchored into underlying hand and derrick placed rock. Project was initiated as a maintenance effort and was determined to be capital in nature.

**Justification:** To address deficiencies with the Morena Dam Concrete face. Also, Implementation of the Project will further protect this important water infrastructure asset and support the overall goal to continue providing existing and new customers with a safe and reliable water supply in a cost-effective manner.

**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:** Design began in Fiscal Year 2023 using budgeted operating funds and construction is anticipated to begin in Fiscal Year 2027.

**Summary of Project Changes:** This is a newly published project for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ -	\$ -	\$ 2,500,000	\$ -	\$ 500,000	\$ 500,000	\$ 10,000,000	\$ 3,275,000	\$ -	\$ -	\$ 16,775,000
<b>Total</b>		\$ -	\$ -	\$ 2,500,000	\$ -	\$ 500,000	\$ 500,000	\$ 10,000,000	\$ 3,275,000	\$ -	\$ -	\$ 16,775,000

# Public Utilities

## Morena Pipeline / S16027

## Water - Distribution Sys - Transmission

<b>Council District:</b>	2 7	<b>Priority Score:</b>	92
<b>Community Planning:</b>	Linda Vista; Clairemont Mesa; Mission Valley	<b>Priority Category:</b>	Medium
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Martin, Reyhaneh
<b>Duration:</b>	2015 - 2028		858-243-5036
<b>Improvement Type:</b>	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 2024 and is anticipated to be substantially completed in Fiscal Year 2026. Remaining construction activities are anticipated to be completed in Fiscal Year 2027.

**Summary of Project Changes:** The total project cost increased by \$2.9 million due to revised cost estimates. The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024						Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY		
Water SDG&E Utility Relocation	700105	\$ 13,564,385	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,564,386
Water Utility - CIP Funding Source	700010	5,295,891	31,952,986	-	-	21,420,129	4,392,640	-	-	-	-	63,061,646
<b>Total</b>		<b>\$ 18,860,276</b>	<b>\$ 31,952,986</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 21,420,129</b>	<b>\$ 4,392,640</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 76,626,032</b>

# Public Utilities

## Murphy Canyon Trunk Sewer Repair/Rehab / S22014

## Wastewater - Collection Sys - Trunk Swr

<b>Council District:</b>	6 7 9	<b>Priority Score:</b>	82
<b>Community Planning:</b>	Kearny Mesa; Mission Valley; Serra Mesa; Tierrasanta	<b>Priority Category:</b>	Medium
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Vitelle, Brian
<b>Duration:</b>	2022 - 2027		619-533-5105
<b>Improvement Type:</b>	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 was completed in Fiscal Year 2023. Construction is anticipated to begin in Fiscal Year 2024 and be substantially completed in Fiscal Year 2026. Remaining construction activities are anticipated to be completed in Fiscal Year 2026.

**Summary of Project Changes:** The project has experienced prolonged easement acquisition process. The total project cost increased by \$12.5 million due to revised construction cost estimates. The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Unidentified Funding	Project Total	
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			Future FY
Muni Sewer Utility - CIP Funding Source	700008	\$ 6,131,681	\$ 1,825,706	\$ 10,000,000	\$ -	\$ 19,000,000	\$ 14,642,612	\$ -	\$ -	\$ -	\$ -	\$ 51,600,000
<b>Total</b>		<b>\$ 6,131,681</b>	<b>\$ 1,825,706</b>	<b>\$ 10,000,000</b>	<b>\$ -</b>	<b>\$ 19,000,000</b>	<b>\$ 14,642,612</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 51,600,000</b>

# Public Utilities

## NCWRP Improvements to 30 mgd / S17012

## Bldg - MWWD - Treatment Plants

<b>Council District:</b>	1	<b>Priority Score:</b>	92
<b>Community Planning:</b>	University	<b>Priority Category:</b>	High
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Martin, Reyhaneh
<b>Duration:</b>	2017 - 2027		858-243-5036
<b>Improvement Type:</b>	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:** The total project cost increased by \$1.0 million due to increased construction costs. The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 22,472,010	\$ 6,944,772	\$ 1,184,265	\$ -	\$ 2,655,757	\$ 2,097,708	\$ -	\$ -	\$ -	\$ -	\$ 35,354,512
Water Utility - CIP Funding Source	700010	2,513,632	3,362,364	-	-	465,055	139,304	-	-	-	-	6,480,356
<b>Total</b>		<b>\$ 24,985,642</b>	<b>\$ 10,307,136</b>	<b>\$ 1,184,265</b>	<b>\$ -</b>	<b>\$ 3,120,812</b>	<b>\$ 2,237,012</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 41,834,868</b>



# Public Utilities

## North/South Metro Interceptors Rehabilitation / S22001

## Wastewater - Collection Sys - Main

<b>Council District:</b>	2 3 7 8	<b>Priority Score:</b>	88
<b>Community Planning:</b>	Centre City - East Village; Centre City - Little Italy; Centre City - Columbia/Core	<b>Priority Category:</b>	Medium
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Ammerlahn, Parita 619-533-5406 pammerlahn@sandiego.gov
<b>Duration:</b>	2023 - 2029		
<b>Improvement Type:</b>	Replacement - Rehab		

**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:** Preliminary Engineering began in Fiscal Year 2022 and was completed in Fiscal Year 2023. Design is anticipated to begin in 2024. Construction schedule will be determined after completion of design.

**Summary of Project Changes:** The total project cost increased by \$6.0 million due to more refined engineer's estimate. The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Metro Sewer Utility - CIP Funding Source	700009	\$ 192,176	\$ 307,823	\$ 3,000,000	\$ -	\$ 4,500,000	\$ 8,000,000	\$ 15,960,000	\$ -	\$ -	\$ -	\$ 31,960,000
<b>Total</b>		<b>\$ 192,176</b>	<b>\$ 307,823</b>	<b>\$ 3,000,000</b>	<b>\$ -</b>	<b>\$ 4,500,000</b>	<b>\$ 8,000,000</b>	<b>\$ 15,960,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 31,960,000</b>

# Public Utilities

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

## Water - Distribution Sys - Transmission

<b>Council District:</b>	3 9	<b>Priority Score:</b>	91
<b>Community Planning:</b>	City Heights; North Park	<b>Priority Category:</b>	Medium
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Vitelle, Brian
<b>Duration:</b>	2014 - 2026		619-533-5105
<b>Improvement Type:</b>	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 2014 and was completed in Fiscal Year 2019. Construction began in Fiscal Year 2020 and is anticipated to be substantially completed in Fiscal Year 2024. Remaining construction activities are anticipated to be completed in Fiscal Year 2025.

**Summary of Project Changes:** \$1.6 million in Water Utility - CIP funding has been allocated to this project in Fiscal Year 2023 via City Council resolution. The total project cost increased by \$1.6 million due to unforeseen conditions during construction and revised project support. The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024						Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY		
Water Utility - CIP Funding Source	700010	\$ 29,782,674	\$ 1,207,825	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,990,500
Water Utility Operating Fund	700011	1,582	(1,582)	-	-	-	-	-	-	-	-	-
<b>Total</b>		<b>\$ 29,784,255</b>	<b>\$ 1,206,244</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 30,990,500</b>

# Public Utilities

## Otay 2nd Pipeline Phase 4 / S20001

## Water - Distribution Sys - Transmission

<b>Council District:</b>	Non-City	<b>Priority Score:</b>	97
<b>Community Planning:</b>	Non-City	<b>Priority Category:</b>	High
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Ammerlahn, Parita
<b>Duration:</b>	2020 - 2034		619-533-5406
<b>Improvement Type:</b>	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 2027 and is anticipated to be substantially completed in Fiscal Year 2031. Remaining construction activities are anticipated to be completed in Fiscal Year 2031.

**Summary of Project Changes:** The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 3,971,549	\$ 178,451	\$ -	\$ -	\$ 10,000,000	\$ 10,000,000	\$ 10,000,000	\$ 3,858,900	\$ -	\$ -	\$ 38,008,900
<b>Total</b>		<b>\$ 3,971,549</b>	<b>\$ 178,451</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000,000</b>	<b>\$ 10,000,000</b>	<b>\$ 10,000,000</b>	<b>\$ 3,858,900</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 38,008,900</b>

# Public Utilities

## Otay 2nd Pipeline Steel Replacement Ph 5 / S21000

## Water - Distribution Sys - Transmission

<b>Council District:</b>	4	<b>Priority Score:</b>	95
<b>Community Planning:</b>	Mid-City: Eastern Area; Southeastern (Encanto Neighborhoods)	<b>Priority Category:</b>	High
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Ammerlahn, Parita
<b>Duration:</b>	2021 - 2031		619-533-5406
<b>Improvement Type:</b>	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 substantially completed in Fiscal Year 2029. Remaining construction activities are anticipated to be completed in Fiscal Year 2030.

**Summary of Project Changes:** \$700,000 in Water Utility - CIP funding has been allocated to this project in Fiscal Year 2023 via City Council resolution. The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Water Utility - CIP Funding Source	700010	\$ 2,482,765	\$ 1,317,234	\$ 1,000,000	\$ -	\$ 500,000	\$ 500,000	\$ 7,000,000	\$ 7,329,000	\$ -	\$ -	\$ 20,129,000
<b>Total</b>		<b>\$ 2,482,765</b>	<b>\$ 1,317,234</b>	<b>\$ 1,000,000</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ 500,000</b>	<b>\$ 7,000,000</b>	<b>\$ 7,329,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,129,000</b>

# Public Utilities

## Otay Second Pipeline Relocation-PA / S15016

## Water - Distribution Sys - Transmission

<b>Council District:</b>	Non-City	<b>Priority Score:</b>	75
<b>Community Planning:</b>	Non-City	<b>Priority Category:</b>	Low
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Li, David
<b>Duration:</b>	2015 - 2027		619-446-5102
<b>Improvement Type:</b>	Replacement		dli@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. Future phases will be captured in a newly created L CIP project.

**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. Construction of Phase 1 began in Fiscal Year 2019 and is anticipated to be substantially completed in Fiscal Year 2024. Subsequent design and construction for future phases will be determined at a later date.

**Summary of Project Changes:** \$10.0 million in Water Utility - CIP funding was removed from this project in Fiscal Year 2023 via City Council resolution. The project schedule and description have been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Water Utility - CIP Funding Source	700010	\$ 10,448,511	\$ 397,659	\$ 6,000,000	\$ -	\$ 2,000,000	\$ 2,000,000	\$ 7,247,053	\$ -	\$ -	\$ -	\$ 28,093,224
<b>Total</b>		<b>\$ 10,448,511</b>	<b>\$ 397,659</b>	<b>\$ 6,000,000</b>	<b>\$ -</b>	<b>\$ 2,000,000</b>	<b>\$ 2,000,000</b>	<b>\$ 7,247,053</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 28,093,224</b>

# Public Utilities

## Otay Water Treatment Plant Upgrade Ph 3 / S23003

## Bldg - Water - Treatment Plants

<b>Council District:</b>	Non-City	<b>Priority Score:</b>	90
<b>Community Planning:</b>	Non-City	<b>Priority Category:</b>	High
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Phung, Tung
<b>Duration:</b>	2023 - 2030		858-292-6425
<b>Improvement Type:</b>	Betterment		tphung@sanidiego.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 anticipated to begin in Fiscal Year 2025 and be completed in Fiscal Year 2027. Construction is anticipated to begin in Fiscal Year 2027 and be substantially completed in Fiscal Year 2029. Remaining construction activities are anticipated to be completed in Fiscal Year 2030.

**Summary of Project Changes:** The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ -	\$ 500,000	\$ -	\$ -	\$ 1,000,000	\$ 2,500,000	\$ 5,000,000	\$ 23,000,000	\$ -	\$ -	\$ 32,000,000
<b>Total</b>		<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,000,000</b>	<b>\$ 2,500,000</b>	<b>\$ 5,000,000</b>	<b>\$ 23,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 32,000,000</b>

# Public Utilities

## Pacific Beach Pipeline South (W) / S12015

## Water - Distribution Sys - Transmission

<b>Council District:</b>	1 2 7	<b>Priority Score:</b>	92
<b>Community Planning:</b>	Pacific Beach; Midway - Pacific Highway; Mission Beach; Peninsula	<b>Priority Category:</b>	Medium
<b>Project Status:</b>	Warranty	<b>Contact Information:</b>	Jaro, Janice
<b>Duration:</b>	2012 - 2025		619-533-3851
<b>Improvement Type:</b>	Expansion		jjaro@sandiego.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 was substantially completed in Fiscal Year 2022. Remaining construction activities are anticipated to be completed in Fiscal Year 2024.

**Summary of Project Changes:** The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024						Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028				
Water Utility - CIP Funding Source	700010	\$ 43,571,597	\$ 788,335	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 44,359,933
Water Utility Operating Fund	700011	8,389	(8,389)	-	-	-	-	-	-	-	-	-	-
<b>Total</b>		<b>\$ 43,579,987</b>	<b>\$ 779,945</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 44,359,933</b>

# Public Utilities

## Pipeline Rehabilitation / AJA00002

## Wastewater - Collection Sys - Main

<b>Council District:</b>	Citywide	<b>Priority Score:</b>	Annual
<b>Community Planning:</b>	Citywide	<b>Priority Category:</b>	Annual
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Phung, Tung
<b>Duration:</b>	2010 - 2040		858-292-6425
<b>Improvement Type:</b>	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 increased due to updates to the cost and schedule of subprojects.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Muni Sewer Utility - CIP Funding Source	700008	\$ 76,750,777	\$ 8,329,980	\$ 2,569,352	\$ -	\$ 11,944,913	\$ 14,008,792	\$ 4,156,527	\$ 5,840,394	\$ -	\$ -	\$ 123,600,735
<b>Total</b>		<b>\$ 76,750,777</b>	<b>\$ 8,329,980</b>	<b>\$ 2,569,352</b>	<b>\$ -</b>	<b>\$ 11,944,913</b>	<b>\$ 14,008,792</b>	<b>\$ 4,156,527</b>	<b>\$ 5,840,394</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 123,600,735</b>



# Public Utilities

## Pressure Reduction Facility Upgrades / AKA00002

## Water - Distribution Sys - Transmission

<b>Council District:</b>	Citywide	<b>Priority Score:</b>	Annual
<b>Community Planning:</b>	Citywide	<b>Priority Category:</b>	Annual
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Phung, Tung
<b>Duration:</b>	2010 - 2040		858-292-6425
<b>Improvement Type:</b>	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 decreased due to updates to the cost and schedule of subprojects.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Water Utility - CIP Funding Source	700010	\$ 1,686,450	\$ 4,205,773	\$ 3,319,877	\$ -	\$ 1,179,757	\$ 2,191,939	\$ 6,779,785	\$ -	\$ -	\$ -	\$ 19,363,582
<b>Total</b>		<b>\$ 1,686,450</b>	<b>\$ 4,205,773</b>	<b>\$ 3,319,877</b>	<b>\$ -</b>	<b>\$ 1,179,757</b>	<b>\$ 2,191,939</b>	<b>\$ 6,779,785</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 19,363,582</b>

# Public Utilities

## PS2 Power Reliability & Surge Protection / S00312

## Bldg - MWWd - Pump Stations

<b>Council District:</b>	2	<b>Priority Score:</b>	90
<b>Community Planning:</b>	Peninsula	<b>Priority Category:</b>	High
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Choi, Jong
<b>Duration:</b>	2011 - 2027		619-533-5493
<b>Improvement Type:</b>	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 2011 and was completed in Fiscal Year 2017. Construction began in Fiscal Year 2018 and is anticipated to be substantially completed in Fiscal Year 2025.

**Summary of Project Changes:** The project schedule has been updated for Fiscal Year 2024. Completion of construction has been delayed due to unforeseen conditions and project construction complexities.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 73,088,814	\$ 2,947,819	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 76,036,633
Metropolitan Sewer Utility Fund	700001	64,166	-	-	-	-	-	-	-	-	-	64,166
<b>Total</b>		<b>\$ 73,152,980</b>	<b>\$ 2,947,819</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 76,100,800</b>

# Public Utilities

## Pump Station Restorations / ABP00001

## Bldg - MWWD - Pump Stations

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

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

**Schedule:** Projects will be scheduled on a priority basis.

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

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

**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.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Historical Fund	X999	\$ 40,008	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,008
Muni Sewer Utility - CIP Funding Source	700008	13,825,986	1,120,658	500,000	-	706,530	2,084,019	4,223,444	4,132,130	-	-	26,592,768
<b>Total</b>		<b>\$ 13,865,994</b>	<b>\$ 1,120,658</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ 706,530</b>	<b>\$ 2,084,019</b>	<b>\$ 4,223,444</b>	<b>\$ 4,132,130</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 26,632,776</b>

# Public Utilities

## Pure Water Phase 2 / ALA00002

## Potable Reuse

<b>Council District:</b>	Citywide	<b>Priority Score:</b>	Annual
<b>Community Planning:</b>	Citywide	<b>Priority Category:</b>	Annual
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Demich, Andrea
<b>Duration:</b>	2022 - 2040		858-614-5741
<b>Improvement Type:</b>	New		ademich@sandiego.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 a resilient 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 2025. 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. The City is anticipating to hire an external consultant in Fiscal Year 2024 to review the schedule and cost estimates.

**Summary of Project Changes:** The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 3,449,240	\$ 16,875,044	\$ 4,000,000	\$ -	\$ 4,000,000	\$ 5,000,000	\$ 10,000,000	\$ 25,000,000	\$ 1,000,000,000	\$ -	\$ 1,068,324,284
Water Utility - CIP Funding Source	700010	5,517,368	26,894,916	7,000,000	-	7,000,000	10,000,000	20,000,000	55,000,000	2,500,000,000	-	2,631,412,284
<b>Total</b>		<b>\$ 8,966,607</b>	<b>\$ 43,769,960</b>	<b>\$ 11,000,000</b>	<b>\$ -</b>	<b>\$ 11,000,000</b>	<b>\$ 15,000,000</b>	<b>\$ 30,000,000</b>	<b>\$ 80,000,000</b>	<b>\$ 3,500,000,000</b>	<b>\$ -</b>	<b>\$ 3,699,736,568</b>

# Public Utilities

## Pure Water Program / ALA00001

## Potable Reuse

<b>Council District:</b>	Citywide	<b>Priority Score:</b>	Annual
<b>Community Planning:</b>	Citywide	<b>Priority Category:</b>	Annual
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Demich, Andrea
<b>Duration:</b>	2015 - 2030		858-614-5741
<b>Improvement Type:</b>	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.

**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 Fiscal Year 2027. Construction activities will be followed by start-up and testing, and ramp-up regulatory acceptance, respectively.

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

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024						Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY		
Grant Fund-Enterprise-State	710001	\$ 21,754,714	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,754,714
Metro SDG&E Utility Relocation	700104	7,527,419	-	-	12,019,450	-	-	-	-	-	-	19,546,869
Metro Sewer Utility - CIP Funding Source	700009	388,219,860	138,927,376	10,000,000	-	31,370,598	14,444,945	-	-	-	-	582,962,779
Purewater (Wastewater) State Approp	700114	22,680,245	-	-	-	-	-	-	-	-	-	22,680,245
Purewater (Water) State Approp	700113	2,883,736	-	-	-	-	-	-	-	-	-	2,883,736
Water SDG&E Utility Relocation	700105	11,395,096	-	-	19,058,035	-	-	-	-	-	-	30,453,131
Water Utility - CIP Funding Source	700010	610,311,096	75,470,431	66,510,000	-	38,815,076	18,726,435	9,000,000	5,000,000	1,750,000	-	825,583,038
<b>Total</b>		<b>\$ 1,064,772,166</b>	<b>\$ 214,397,807</b>	<b>\$ 76,510,000</b>	<b>\$ 31,077,485</b>	<b>\$ 70,185,674</b>	<b>\$ 33,171,380</b>	<b>\$ 9,000,000</b>	<b>\$ 5,000,000</b>	<b>\$ 1,750,000</b>	<b>\$ -</b>	<b>\$ 1,505,864,512</b>

### Operating Budget Impact

Department - Fund	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
<b>Public Utilities - METRO SEWER UTILITY</b>	<b>FTEs</b>	8.67	8.67	8.67	8.67
<b>Public Utilities - METRO SEWER UTILITY</b>	<b>Total Impact \$</b>	4,906,118	6,981,075	18,482,897	18,508,425
<b>Public Utilities - WATER UTILITY OPERATING</b>	<b>FTEs</b>	44.33	44.33	38.33	38.33
<b>Public Utilities - WATER UTILITY OPERATING</b>	<b>Total Impact \$</b>	12,548,933	21,092,597	36,932,915	37,037,966

# Public Utilities

## Rancho Bernardo Industrial Pump Stn Replacement / S21004 Bldg - Water - Pump Stations

<b>Council District:</b>	5	<b>Priority Score:</b>	97
<b>Community Planning:</b>	Rancho Bernardo	<b>Priority Category:</b>	High
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Van Martin, Debbie
<b>Duration:</b>	2021 - 2030		619-533-6651
<b>Improvement Type:</b>	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 2021 and is anticipated to be completed in Fiscal Year 2025. Construction is scheduled to begin in Fiscal Year 2025 and is anticipated to be substantially completed in Fiscal Year 2027. Post construction mitigation and monitoring period may be required through Fiscal Year 2030.

**Summary of Project Changes:** The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 2,845,200	\$ 204,799	\$ -	\$ -	\$ 3,648,000	\$ 4,500,000	\$ 2,000,000	\$ -	\$ -	\$ -	\$ 13,198,000
<b>Total</b>		<b>\$ 2,845,200</b>	<b>\$ 204,799</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,648,000</b>	<b>\$ 4,500,000</b>	<b>\$ 2,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 13,198,000</b>

# Public Utilities

## Recycled Water Systems Upgrades / AHC00004

## Reclaimed Water System - Pipelines

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

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

**Schedule:** Projects will be scheduled on a priority basis.

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

**Summary of Project Changes:** No significant changes have been made to this project in Fiscal Year 2024.

**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.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024							Unidentified Funding	Project Total	
				FY 2024	Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY			
Water Utility - CIP Funding Source	700010	\$ -	\$ 49,999	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 49,999
<b>Total</b>		<b>\$ -</b>	<b>\$ 49,999</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 49,999</b>

# Public Utilities

## Sewer CIP Emergency Reserve / ABT00007

## Bldg - Other City Facility / Structures

<b>Council District:</b>	Citywide	<b>Priority Score:</b>	Annual
<b>Community Planning:</b>	Citywide	<b>Priority Category:</b>	Annual
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Balo, Keli
<b>Duration:</b>	2010 - 2040		858-292-6423
<b>Improvement Type:</b>	Betterment		kbalo@sandiego.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 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
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
<b>Total</b>		<b>\$ -</b>	<b>\$ 10,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000,000</b>



# Public Utilities

## Sewer Main Replacements / AJA00001

## Wastewater - Collection Sys - Main

<b>Council District:</b>	Citywide	<b>Priority Score:</b>	Annual
<b>Community Planning:</b>	Citywide	<b>Priority Category:</b>	Annual
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Phung, Tung
<b>Duration:</b>	2010 - 2040		858-292-6425
<b>Improvement Type:</b>	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 sub-projects.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Historical Fund	X999	\$ 3,906,909	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,906,909
Muni Sewer Utility - CIP Funding Source	700008	362,870,899	50,376,286	48,675,107	-	101,048,372	101,684,268	34,345,279	25,843,937	-	-	724,844,147
Municipal Sewer Revenue Fund	700000	309,589	(4,926)	-	-	-	-	-	-	-	-	304,663
<b>Total</b>		<b>\$ 367,087,397</b>	<b>\$ 50,371,359</b>	<b>\$ 48,675,107</b>	<b>\$ -</b>	<b>\$ 101,048,372</b>	<b>\$ 101,684,268</b>	<b>\$ 34,345,279</b>	<b>\$ 25,843,937</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 729,055,720</b>

# Public Utilities

## South San Diego Reservoir Replacement / S23004

## Bldg - Water - Reservoirs/Dams

<b>Council District:</b>	Non-City	<b>Priority Score:</b>	65
<b>Community Planning:</b>	Non-City	<b>Priority Category:</b>	Low
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Phung, Tung
<b>Duration:</b>	2023 - 2029		858-292-6425
<b>Improvement Type:</b>	Replacement		tphung@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 2025 and construction is anticipated to begin in Fiscal Year 2027.

**Summary of Project Changes:** The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ -	\$ 500,000	\$ -	\$ -	\$ 2,000,000	\$ 8,000,000	\$ 10,000,000	\$ 25,100,000	\$ -	\$ -	\$ 45,600,000
<b>Total</b>		<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,000,000</b>	<b>\$ 8,000,000</b>	<b>\$ 10,000,000</b>	<b>\$ 25,100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45,600,000</b>

# Public Utilities

## Standpipe and Reservoir Rehabilitations / ABL00001

## Bldg - Water - Standpipes

<b>Council District:</b>	Citywide	<b>Priority Score:</b>	Annual
<b>Community Planning:</b>	Citywide	<b>Priority Category:</b>	Annual
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Phung, Tung
<b>Duration:</b>	2010 - 2040		858-292-6425
<b>Improvement Type:</b>	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 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Water Utility - CIP Funding Source	700010	\$ 17,074,184	\$ 2,794,802	\$ 1,847,407	\$ -	\$ 5,729,142	\$ 9,620,226	\$ 6,835,088	\$ 8,988,449	\$ -	\$ -	\$ 52,889,299
Water Utility Operating Fund	700011	35,430	-	-	-	-	-	-	-	-	-	35,430
<b>Total</b>		<b>\$ 17,109,614</b>	<b>\$ 2,794,802</b>	<b>\$ 1,847,407</b>	<b>\$ -</b>	<b>\$ 5,729,142</b>	<b>\$ 9,620,226</b>	<b>\$ 6,835,088</b>	<b>\$ 8,988,449</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 52,924,729</b>

# Public Utilities

## Tecolote Canyon Trunk Sewer Improvement / S15020

## Wastewater - Collection Sys - Trunk Swr

<b>Council District:</b>	2 7	<b>Priority Score:</b>	78
<b>Community Planning:</b>	Clairemont Mesa; Linda Vista	<b>Priority Category:</b>	Low
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Narvaez, Rex
<b>Duration:</b>	2015 - 2028		619-533-5127
<b>Improvement Type:</b>	Replacement - Rehab		rnarvaez@sandiego.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 2024. Construction is scheduled to begin in Fiscal Year 2024, contingent upon approval of construction permits, and is anticipated to be substantially completed in Fiscal Year 2026. Remaining construction activities are anticipated to be completed in Fiscal Year 2027.

**Summary of Project Changes:** \$25.0 million of Muni Sewer Utility - CIP funding was removed from this project in Fiscal Year 2023 via City Council Resolution due to construction permitting delays. The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024 Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
Muni Sewer Utility - CIP Funding Source	700008	\$ 2,725,621	\$ 8,454,378	\$ 6,000,000	\$ -	\$ 25,000,000	\$ 5,000,000	\$ 820,000	\$ -	\$ -	\$ -	\$ 48,000,000
<b>Total</b>		<b>\$ 2,725,621</b>	<b>\$ 8,454,378</b>	<b>\$ 6,000,000</b>	<b>\$ -</b>	<b>\$ 25,000,000</b>	<b>\$ 5,000,000</b>	<b>\$ 820,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 48,000,000</b>

# Public Utilities

## TH 16" Water Mains / RD21007

## Water - Distribution Sys - Transmission

<b>Council District:</b>	5	<b>Priority Score:</b>	69
<b>Community Planning:</b>	Torrey Highlands	<b>Priority Category:</b>	Low
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Busby, Breanne
<b>Duration:</b>	2021 - 2024		619-533-3710
<b>Improvement Type:</b>	New		bbusby@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. This project is partially funded by credits to the developer against the FBA and partially in cash.

**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 2024. 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 portion of the cost that is being reimbursed via cash payment has increased for Fiscal Year 2024, resulting in a \$286,371 increase to the total CIP budget.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					FY 2028	Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027					
Torrey Highlands	400094	\$ 468,260	\$ 952	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	469,212
Unidentified Funding	9999	-	-	-	-	-	-	-	-	-	-	155,295	155,295
<b>Total</b>		<b>\$ 468,260</b>	<b>\$ 952</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>155,295</b>	<b>\$ 624,507</b>

# Public Utilities

## Tierrasanta (Via Dominique) Pump Station / S12040

## Bldg - Water - Pump Stations

<b>Council District:</b>	7	<b>Priority Score:</b>	96
<b>Community Planning:</b>	Tierrasanta	<b>Priority Category:</b>	High
<b>Project Status:</b>	Warranty	<b>Contact Information:</b>	Van Martin, Debbie
<b>Duration:</b>	2010 - 2025		619-533-6651
<b>Improvement Type:</b>	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 2011 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 project is complete but cannot be closed due to pending litigation. The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Water Utility - CIP Funding Source	700010	\$ 17,275,737	\$ 1,643,258	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,918,996
<b>Total</b>		<b>\$ 17,275,737</b>	<b>\$ 1,643,258</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 18,918,996</b>

# Public Utilities

## University Ave Pipeline Replacement / S11021

## Water - Distribution Sys - Distribution

<b>Council District:</b>	3	<b>Priority Score:</b>	93
<b>Community Planning:</b>	Uptown; North Park	<b>Priority Category:</b>	High
<b>Project Status:</b>	Warranty	<b>Contact Information:</b>	Vitelle, Brian
<b>Duration:</b>	2011 - 2025		619-533-5105
<b>Improvement Type:</b>	Replacement		bvitelle@sandiego.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 2011 and was completed in Fiscal Year 2015. Construction began in Fiscal Year 2017 and was substantially completed in Fiscal Year 2021. Remaining construction activities are anticipated to be completed in Fiscal Year 2024.

**Summary of Project Changes:** Total project cost increased by \$250,000 due to revised construction costs. \$250,000 in Water Utility - CIP funding has been allocated to this project in Fiscal Year 2023 via City Council resolution. The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Water Utility - CIP Funding Source	700010	\$ 28,952,856	\$ 466,939	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 29,419,796
Water Utility Operating Fund	700011	130,442	(238)	-	-	-	-	-	-	-	-	130,204
<b>Total</b>		<b>\$ 29,083,299</b>	<b>\$ 466,700</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 29,550,000</b>

# Public Utilities

## Unscheduled Projects / AJA00003

## Wastewater - Collection Sys - Main

<b>Council District:</b>	Citywide	<b>Priority Score:</b>	Annual
<b>Community Planning:</b>	Citywide	<b>Priority Category:</b>	Annual
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Phung, Tung
<b>Duration:</b>	2010 - 2040		858-292-6425
<b>Improvement Type:</b>	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 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
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
<b>Total</b>		<b>\$ 381,237</b>	<b>\$ 1,119,660</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,500,898</b>



# Public Utilities

## Upas St Pipeline Replacement / S11022

## Water - Distribution Sys - Distribution

<b>Council District:</b>	2 3	<b>Priority Score:</b>	93
<b>Community Planning:</b>	Uptown; Greater North Park; Midway - Pacific Highway	<b>Priority Category:</b>	High
<b>Project Status:</b>	Warranty	<b>Contact Information:</b>	Ammerlahn, Parita
<b>Duration:</b>	2011 - 2025		619-533-5406
<b>Improvement Type:</b>	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 2016 and was substantially completed in Fiscal Year 2020. Remaining construction activities are anticipated to be completed in Fiscal Year 2025. The project is anticipated to close in Fiscal Year 2025.

**Summary of Project Changes:** The project schedule has been updated for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024						Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028	Future FY		
PFFA-Water Rev Bonds Series 2016A	700095	\$ 2,317,395	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,317,395
Water Utility - CIP Funding Source	700010	33,362,923	471,599	-	-	-	-	-	-	-	-	33,834,522
Water Utility Operating Fund	700011	113,103	-	-	-	-	-	-	-	-	-	113,103
<b>Total</b>		<b>\$ 35,793,421</b>	<b>\$ 471,598</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 36,265,019</b>

# Public Utilities

## Water & Sewer Group Job 816 (W) / S13015

## Water - Distribution Sys - Distribution

<b>Council District:</b>	1	<b>Priority Score:</b>	90
<b>Community Planning:</b>	Pacific Beach	<b>Priority Category:</b>	Medium
<b>Project Status:</b>	Warranty	<b>Contact Information:</b>	Sleiman, Alexander
<b>Duration:</b>	2013 - 2024		619-533-7588
<b>Improvement Type:</b>	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 2013 and was completed in Fiscal Year 2014. Design began in Fiscal Year 2014 and was completed in Fiscal Year 2015. Construction began in Fiscal Year 2016 and was substantially completed in Fiscal Year 2021. Remaining construction activities are anticipated to be completed in Fiscal Year 2024.

**Summary of Project Changes:** \$2.0 million of Water Utility - CIP funding was removed from the project via City Council Resolution in Fiscal Year 2023. The project is anticipated to close by the end of the Fiscal Year.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024		FY 2025	FY 2026	FY 2027	FY 2028	Future FY	Unidentified Funding	Project Total
					Anticipated								
Water Utility - CIP Funding Source	700010	\$ 15,945,895	\$ 253,496	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,199,392
<b>Total</b>		<b>\$ 15,945,895</b>	<b>\$ 253,496</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 16,199,392</b>

# Public Utilities

## Water CIP Emergency Reserve / ABT00008

## Bldg - Other City Facility / Structures

<b>Council District:</b>	Citywide	<b>Priority Score:</b>	Annual
<b>Community Planning:</b>	Citywide	<b>Priority Category:</b>	Annual
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Balo, Keli
<b>Duration:</b>	2010 - 2040		858-292-6423
<b>Improvement Type:</b>	Betterment		kbalo@sandiego.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 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					FY 2028	Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027					
Water Utility - CIP Funding Source	700010	\$ -	\$ 5,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000,000
<b>Total</b>		<b>\$ -</b>	<b>\$ 5,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,000,000</b>

# Public Utilities

## Water Main Replacements / AKB00003

## Water - Distribution Sys - Distribution

<b>Council District:</b>	Citywide	<b>Priority Score:</b>	Annual
<b>Community Planning:</b>	Citywide	<b>Priority Category:</b>	Annual
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Phung, Tung
<b>Duration:</b>	2010 - 2040		858-292-6425
<b>Improvement Type:</b>	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 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Historical Fund	X999	\$ 257,749	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 257,749
PFFA-Water Rev Bonds Series 2016A	700095	897,068	-	-	-	-	-	-	-	-	-	897,068
San Ysidro Irrigation District	700109	7,601,819	433,553	-	-	-	-	-	-	-	-	8,035,372
Water SDG&E Utility Relocation	700105	1,802,620	-	-	-	-	-	-	-	-	-	1,802,620
Water Utility - CIP Funding Source	700010	456,127,824	86,734,444	99,388,939	(570,000)	112,599,245	95,876,382	83,170,557	80,804,038	-	-	1,014,131,428
Water Utility Operating Fund	700011	109,135	(9,032)	-	-	-	-	-	-	-	-	100,103
<b>Total</b>		<b>\$ 466,796,215</b>	<b>\$ 87,158,964</b>	<b>\$ 99,388,939</b>	<b>\$ (570,000)</b>	<b>\$ 112,599,245</b>	<b>\$ 95,876,382</b>	<b>\$ 83,170,557</b>	<b>\$ 80,804,038</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,025,224,340</b>

# Public Utilities

## Water Pump Station Restoration / ABJ00001

## Bldg - Water - Pump Stations

<b>Council District:</b>	Citywide	<b>Priority Score:</b>	Annual
<b>Community Planning:</b>	Citywide	<b>Priority Category:</b>	Annual
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Phung, Tung
<b>Duration:</b>	2010 - 2040		858-292-6425
<b>Improvement Type:</b>	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 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Water Utility - CIP Funding Source	700010	\$ 27,843,137	\$ 2,025,472	\$ -	\$ -	\$ 12,727,121	\$ 5,544,729	\$ 12,222,385	\$ 15,005,370	\$ -	\$ -	\$ 75,368,214
Water Utility Operating Fund	700011	37,509	-	-	-	-	-	-	-	-	-	37,509
<b>Total</b>		<b>\$ 27,880,646</b>	<b>\$ 2,025,472</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 12,727,121</b>	<b>\$ 5,544,729</b>	<b>\$ 12,222,385</b>	<b>\$ 15,005,370</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 75,405,723</b>

# Public Utilities

## Water SCADA IT Upgrades / T22001

## Intangible Assets - Information Tech

<b>Council District:</b>	Citywide	<b>Priority Score:</b>	N/A
<b>Community Planning:</b>	Citywide	<b>Priority Category:</b>	N/A
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Lee, Jerome
<b>Duration:</b>	2021 - 2026		858-614-4087
<b>Improvement Type:</b>	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:** No significant changes have been made to this project for Fiscal Year 2024.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Water Utility - CIP Funding Source	700010	\$ 355,336	\$ 3,844,663	\$ 3,500,000	\$ -	\$ 8,000,000	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ 16,100,000
<b>Total</b>		<b>\$ 355,336</b>	<b>\$ 3,844,663</b>	<b>\$ 3,500,000</b>	<b>\$ -</b>	<b>\$ 8,000,000</b>	<b>\$ 400,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 16,100,000</b>

# Public Utilities

## Water Treatment Plants / ABI00001

## Bldg - Water - Treatment Plants

<b>Council District:</b>	5 7 Non-City	<b>Priority Score:</b>	Annual
<b>Community Planning:</b>	Scripps Miramar Ranch; Navajo; Non City	<b>Priority Category:</b>	Annual
<b>Project Status:</b>	Continuing	<b>Contact Information:</b>	Phung, Tung
<b>Duration:</b>	2013 - 2040		858-292-6425
<b>Improvement Type:</b>	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 increased due to updates to the cost and schedule of sub-projects.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2024	FY 2024					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2025	FY 2026	FY 2027	FY 2028			
Water Utility - CIP Funding Source	700010	\$ 13,958,841	\$ 2,650,188	\$ 2,300,000	\$ 570,000	\$ 1,963,057	\$ 3,552,637	\$ 291,754	\$ -	\$ -	\$ -	\$ 25,286,477
<b>Total</b>		<b>\$ 13,958,841</b>	<b>\$ 2,650,188</b>	<b>\$ 2,300,000</b>	<b>\$ 570,000</b>	<b>\$ 1,963,057</b>	<b>\$ 3,552,637</b>	<b>\$ 291,754</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 25,286,477</b>

# Unfunded Needs List

## Public Utilities

Project	Project Total	Unidentified Funding	Percent Unfunded	Description
TH 16" Water Mains / RD21007	\$ 624,508	\$ 155,295	24.87 %	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. This project is partially funded by credits to the developer against the FBA and partially in cash. A portion of the reimbursement payments is currently unfunded.
<b>Total</b>		<b>\$ 155,295</b>		