

# **Public Utilities**



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## Public Utilities

The Public Utilities Department provides water, wastewater, and recycled water services to approximately 1.3 million water customers and 2.5 million wastewater customers within the San Diego region. The Department's Capital Improvement Program (CIP) supports the infrastructure for reliable water supply and wastewater collection and treatment. The water system extends over 404 square miles with demands of approximately 172 million gallons per day (mgd). This system includes 49 water pump stations, 29 treated water storage facilities, three water treatment plants, and over 3,000 miles of pipelines. The Department also manages the recycled water system, which includes three pump stations and over 80 miles of purple pipe delivering an annual average of over 10 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 79 sewer pump stations including East Mission Gorge Pump Station, Sewage Pump Station No. 64, Sewage Pump Station No. 65, and Peñasquitos Pump Station, 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, and 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.

Funding for water and wastewater projects are provided by a variety of sources which can include bond financing, water and sewer rates, state revolving fund loans, and grants. Approximately 34 percent of all Metro Fund expenditures are funded by Participating Agencies. The CIP program includes water projects mandated in the Compliance Order from the California Department of Public Health (CDPH); these projects will meet the requirements of the federal Safe Drinking Water Act. The Environmental Protection Agency (EPA) Consent Decree projects for the wastewater system are expected to complete in Fiscal Year 2014. The Department, however, will continue to provide for the needed replacement/rehabilitation of aging infrastructure in compliance with the Clean Water Act.

### 2014 CIP Accomplishments

The Public Utilities Department, in cooperation with the Public Works Department, oversees the design and construction of water, wastewater, and recycled water projects. Fiscal Year 2014 project highlights are detailed below:

The Department is mandated by the CDPH Compliance Order to award 10 miles of cast iron water main replacement in Fiscal Year 2014 as well as completing the EPA Consent Decree projects by December 31, 2013. As of March 21, 2014, a total of 18.97 miles of cast iron water mains have been awarded. In addition, the Department has completed 17.05 miles of sewer main replacement, rehabilitation, and repair between July 1, 2013 and March 31, 2014.

Construction was completed on the Point Loma Sedimentation Basins Equipment Refurbishment project. The existing Sedimentation Basins 1 to 12 at the Point Loma Wastewater Treatment Plant have been constructed at different times. Most of the existing equipment had reached the end of its service life. All of the basin equipment was upgraded and standardized, which will make sediment removal more efficient and simplify future maintenance.

Construction started on the Scripps Ranch Pump Station Project which is located 0.25 miles west of the Miramar Water Treatment Plant, near the intersection of Scripps Ranch Blvd. and Scripps Lake Dr. This design-build project includes the construction of a new water pump station on City of San Diego owned land. The new Scripps Ranch Pump Station will replace the existing old Scripps Miramar Pump Station and will include modern and more efficient pumping station able to cover the water

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demands of the Scripps Miramar Ranch and Miramar Ranch North zones with a total pump station capacity of 17.2 million gallons per day. This project is anticipated to be completed by November 2014.

Construction started on the Pipeline Rehabilitation U-1 project in the Skyline and Paradise Hills Communities, within Council District 4. This project will rehabilitate 9.4 miles of 8-inch and 10-inch vitrified clay sewer pipes and replace 0.10 miles of 8-inch sewer pipes. The project scope also includes rehabilitation of 18 manholes, replacement of 9 manholes and point repairs of 15 damaged sewer segments. This project is anticipated to be completed by January 2015.

Construction started on the Catalina Standpipe Project which is located in the 200 block of Catalina Blvd., in the Peninsula Community. The existing standpipe has been supplying the Peninsula Community with potable water and emergency storage since 1954 and is now reaching the end of its service life. This design-build project includes removing the existing 1.5 million gallon standpipe and replacing it with a new 2 million gallon steel standpipe. This new facility will help enhance water quality and meet projected daily local water supply and emergency storage demands. The project will also install 100 feet of 24-inch inlet and outlet piping, a maintenance path on the site, and curb-to-curb paving for pipeline installation areas in the Right-of-Way. This project is anticipated to be completed in spring 2015.

Construction was completed on the Palm Avenue Emergency Meter Cast Iron Replacement project in the Otay Mesa community area. This project replaced all cast iron piping within the Palm Avenue pressure reducing station and installed two new flow meters. The new flow meters will better serve the needs of both water operations and the billing office by having telemetry capability, which allows real-time consumption monitoring.

Construction was completed on Water Group Job 941 for the replacement of approximately 2,428 linear feet (0.46 miles) of existing 16-inch cast iron water mains with 12-inch polyvinyl chloride (PVC) pipes in the Mid-City community area. This project will improve service reliability, upgrade the system to current standards, and reduce maintenance requirements.

Construction was completed on the Montezuma Trunk Sewer project which consisted of upgrading approximately 8,310 linear feet (1.57 miles) of existing 10-inch, 12-inch, and 15-inch vitrified clay pipes with 18 and 21-inch trunk sewers. A portion of this project was installed by tunneling. The improvements will increase capacity and reduce future maintenance costs.

Construction was completed on the Balboa Terrace Trunk Sewer project in the Clairemont Mesa area. This project replaced approximately 4,991 linear feet (0.95 miles) of existing 15 and 18-inch vitrified clay pipes with 18 and 21-inch trunk sewers. About 0.3 miles of this project was installed by tunneling. This project also abandoned approximately 0.61 miles of existing 15 and 18-inch trunk sewers. The improvements will increase capacity and service reliability, while reducing future maintenance costs.

Construction was completed on the Sewer Pump Station Group II project which consisted of the replacement of pumps and motors, upgrades to the control system, and installation of a redundant force main pipeline and emergency storage tank, including emergency generators at sewer pump stations 43, 44, 47, 51 and 60A. These pump stations are located from the Scripps Miramar Ranch to Mira Mesa, Mission Bay Park and Otay Mesa areas. The improvements will increase capacity, redundancy, service reliability, and minimize future maintenance costs.

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Construction was completed on the Sewer Pump Station Group III project which consisted of the addition of 12 redundant force mains at sewer pump stations 44, 51, 54, 60A, 71, 73, 74, 75, 76, 80, 81 and 82. These pump stations are located from the International Border to Del Mar and Rancho Bernardo. This project also consisted of the installation of manholes, mains, and storm drain curb outlets. The improvements will increase capacity and provide redundancy.

Construction was completed on the Sewer Pump Station 84 Upgrade project which consisted of upgrading and expanding Sewer Pump Station (SPS) 84 and abandonment of SPS 62 in the Rancho Bernardo and Peñasquitos areas. The project scope consisted of rerouting the gravity sewer from the SPS 62 basin to SPS 84, increasing the pumping capabilities at SPS 84, and installing new force mains. The improvements will increase redundancy and service reliability, while reducing future maintenance costs.

In addition to the Capital Improvement Projects, the Department televised an additional 45.9 miles of sewer mains as of March 31, 2013. To date, over 1,780 miles of sewer mains have been assessed and more than 579 miles have been identified for replacement or rehabilitation.

### 2015 CIP Goals

The Public Utilities Department's goal is to provide safe drinking water to the 1.3 million residents of San Diego, and regional wastewater treatment and disposal services for 2.5 million wastewater customers in the San Diego region.

In order to improve its aging infrastructure, the Department plans to replace and rehabilitate a total of 45 miles of sewer mains and award 30 miles of water pipeline replacements per fiscal year.

The Department will continue to replace all remaining distribution cast iron water mains. In addition, the Department has initiated a condition assessment program for 2,100 miles of AC water pipeline to determine the appropriate replacement rate over the next 10 years. On the wastewater side, the Department will use the sewer condition assessment results to determine the appropriate number of replacement and rehabilitation miles per year.

The Department has developed a proactive condition assessment program to evaluate the condition of water transmission lines, reservoirs, and large diameter wastewater pipelines.



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## Public Utilities: Capital Improvement Projects

Project	Prior Fiscal Years	FY2015 Adopted	Future Fiscal Years	Project Total
30th Street Pipeline Replacement / <b>S12010</b>	\$ 371,187	\$ 2,000,000	\$ 12,368,813	\$ 14,740,000
69th & Mohawk Pump Station / <b>S12011</b>	529,129	3,585,500	14,172,371	18,287,000
Alvarado 2nd PL Exten & Morena Blvd CI / <b>S12013</b>	-	-	66,941,493	66,941,493
Alvarado WTP Upgrade & Expansion / <b>S00021</b>	55,942,215	-	-	55,942,215
Backup Generators at SPS's, TP & EMTS / <b>S12036</b>	17,745,600	-	-	17,745,600
Balboa Terrace Trunk Sewer / <b>S12035</b>	10,091,812	-	-	10,091,812
Barrett Flume Cover / <b>S10013</b>	400,000	500,000	4,650,677	5,550,677
Bayview Reservoir Solar Project / <b>S14021</b>	-	2,000,000	325,000	2,325,000
Catalina 12inch Cast Iron Mains / <b>S12008</b>	1,000,000	3,000,000	5,424,060	9,424,060
Chollas Building / <b>S11025</b>	7,900,000	-	9,800,000	17,700,000
Cielo & Woodman Pump Station / <b>S12012</b>	100,000	500,000	14,079,547	14,679,547
Colony Hill Water Main Relocation / <b>S11102</b>	1,504,250	-	-	1,504,250
Corrosion Control / <b>AKA00001</b>	498,943	-	300,000	798,943
Dams and Reservoirs / <b>ABK00001</b>	1,405,770	-	2,468,034	3,873,804
Del Mar Heights East Segment / <b>S12017</b>	50,000	-	5,163,344	5,213,344
Del Mar Heights Pipeline Relocation / <b>S00070</b>	4,350,000	-	3,600,000	7,950,000
EAM ERP Implementation / <b>S14000</b>	6,728,000	5,470,000	11,566,162	23,764,162
EMTS Boat Dock and Steam Line Relocation / <b>S00319</b>	1,732,137	286,398	-	2,018,535
East Mission Gorge Force Main Rehab / <b>S00326</b>	654,640	-	5,537,195	6,191,835
El Capitan Reservoir Road Improvements / <b>S00040</b>	426,601	-	2,207,095	2,633,696
El Monte Pipeline No 2 / <b>S10008</b>	2,248,000	400,000	-	2,648,000
Freeway Relocation / <b>AKB00002</b>	2,782,970	1,745,273	400,000	4,928,243
Groundwater Asset Development Program / <b>ABM00001</b>	3,864,257	500,000	4,858,674	9,222,931
Harbor Drive Pipelines Replacement / <b>S12028</b>	10,371,398	-	-	10,371,398
Harbor Drive Trunk Sewer Replacement / <b>S00336</b>	12,398,748	-	-	12,398,748
La Jolla Scenic Drive 16inch Main / <b>S12009</b>	724,089	500,000	7,855,009	9,079,098
Large Diameter Water Transmission PPL / <b>AKA00003</b>	350,113	4,002,532	24,876,758	29,229,403
Lindbergh Field 16" CI Main Replacement / <b>S10055</b>	3,477,779	-	-	3,477,779
Little McGonigle Ranch Road Pipeline / <b>S00069</b>	757,000	-	-	757,000
Lower Otay Outlet Tower / <b>S12018</b>	50,000	250,000	5,255,384	5,555,384
Lower Otay Reservoir Emer Outlet Improve / <b>S00044</b>	2,000,000	300,000	-	2,300,000
MBC Biosolids Storage Silos / <b>S00322</b>	9,047,838	-	-	9,047,838
MBC Dewatering Centrifuges Replacement / <b>S00339</b>	7,528,654	3,913,900	-	11,442,554
MBC Odor Control Facility Upgrades / <b>S00323</b>	4,518,493	1,681,507	-	6,200,000
MOC Complex Solar Project / <b>S14022</b>	-	1,700,000	975,000	2,675,000
Metro Facilities Control Systems Upgrade / <b>L10000</b>	8,270,388	-	-	8,270,388
Metro Treatment Plants / <b>ABO00001</b>	16,776,653	4,000,000	7,292,464	28,069,117
Metropolitan System Pump Stations / <b>ABP00002</b>	10,390,123	1,000,000	4,241,809	15,631,932
Metropolitan Waste Water Department Trunk Sewers / <b>AJB00001</b>	28,702,858	2,000,000	35,989,878	66,692,736
Miramar Clearwell Improvements / <b>S11024</b>	6,040,000	400,000	77,979,276	84,419,276

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## Public Utilities: Capital Improvement Projects (cont'd)

Project	Prior Fiscal Years	FY2015 Adopted	Future Fiscal Years	Project Total
Miramar Contract A Roof System Redesign / <b>S13016</b>	314,000	-	-	314,000
Miramar WTP Upgrade & Expansion / <b>S00024</b>	120,568,505	-	-	120,568,505
Montezuma Trunk Sewer / <b>S00332</b>	6,182,094	100,000	-	6,282,094
Montezuma/Mid-City Pipeline Phase II / <b>S11026</b>	2,518,200	2,000,000	12,681,800	17,200,000
Morena Reservoir Outlet Tower Upgrade / <b>S00041</b>	5,680,000	-	2,500,000	8,180,000
Municipal Fac Control Systems Upgrade / <b>L10001</b>	-	1,810,000	(1,810,000)	-
NCWRP Sludge Pump Station Upgrade / <b>S00309</b>	857,096	100,000	-	957,096
North City Reclamation System / <b>AHC00002</b>	4,059,544	-	-	4,059,544
Otay 1st/2nd PPL Abandon E of Highland / <b>S11027</b>	1,963,250	5,258,471	-	7,221,721
Otay 1st/2nd PPL West of Highland Avenue / <b>S12016</b>	488,051	925,000	24,521,949	25,935,000
Otay Second Pipeline Improvements / <b>S00032</b>	2,935,773	-	-	2,935,773
Otay WTP Upgrade & Expansion / <b>S00030</b>	28,789,552	50,000	-	28,839,552
PS 84 Upgrade & PS 62 Abandon / <b>S00308</b>	9,320,400	1,000,000	-	10,320,400
PS Upgrades Group 1 North County / <b>S00303</b>	16,116,827	-	-	16,116,827
PS2 Power Reliability & Surge Protection / <b>S00312</b>	3,230,000	3,000,000	24,970,000	31,200,000
Pacific Beach Pipeline South (W) / <b>S12015</b>	2,650,000	-	18,068,000	20,718,000
Pipeline Rehabilitation / <b>AJA00002</b>	75,316,643	22,500,000	80,000,000	177,816,643
Point Loma Grit Processing Improvements / <b>S00315</b>	34,614,085	312,044	-	34,926,129
Pressure Reduction Facility Upgrades / <b>AKA00002</b>	100,000	-	-	100,000
Pump Station 64,65, Penasquitos, E Mission Gorge / <b>ABP00003</b>	4,064,099	3,000,000	-	7,064,099
Pump Station Restorations / <b>ABP00001</b>	6,553,202	1,750,000	13,873,471	22,176,673
Reclaimed Water Extension / <b>AHC00001</b>	209,125	-	-	209,125
Reclaimed Water Retrofit / <b>AHC00003</b>	250,002	-	-	250,002
Recycled Water System Upgrades / <b>S10010</b>	2,350,000	-	-	2,350,000
Recycled Water Systems Upgrades / <b>AHC00004</b>	337,422	-	-	337,422
Recycled Water Tank Modifications / <b>S12014</b>	791,984	200,000	-	991,984
SBWR Plant Demineralization / <b>S00310</b>	3,279,133	2,694,562	-	5,973,695
Scripps Ranch Pump Station / <b>S12019</b>	13,079,000	-	-	13,079,000
Seismic Upgrades / <b>AKB00004</b>	-	400,000	7,133,944	7,533,944
Sewer CIP Emergency Reserve / <b>S00342</b>	5,000,000	-	-	5,000,000
Sewer Main Replacements / <b>AJA00001</b>	143,098,570	55,367,797	170,999,997	369,466,364
South Metro Sewer Rehabilitation Ph 3B / <b>S00317</b>	157,506	-	9,057,451	9,214,957
South Mission Valley Trunk Sewer / <b>S00302</b>	15,801,938	-	-	15,801,938
Standpipe and Reservoir Rehabilitations / <b>ABL00001</b>	10,061,613	6,637,485	8,054,648	24,753,746
Tierrasanta (Via Dominique) Pump Station / <b>S12040</b>	2,014,736	2,193,264	7,000,000	11,208,000
University Ave Pipeline Replacement / <b>S11021</b>	5,390,197	2,500,000	10,809,803	18,700,000
Unscheduled Projects / <b>AJA00003</b>	5,433,215	5,000,000	-	10,433,215
Upas St Pipeline Replacement / <b>S11022</b>	8,096,326	5,000,000	7,100,000	20,196,326
Water & Sewer Group Job 816 (W) / <b>S13015</b>	1,150,000	2,000,000	7,605,363	10,755,363
Water CIP Emergency Reserve / <b>S00048</b>	5,000,000	-	-	5,000,000

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### Public Utilities: Capital Improvement Projects (cont'd)

Project	Prior Fiscal Years	FY2015 Adopted	Future Fiscal Years	Project Total
Water Department Security Upgrades / <b>S00050</b>	15,243,959	-	-	15,243,959
Water Group 787 / <b>S11108</b>	7,986,125	-	-	7,986,125
Water Group Job 915 (3012) / <b>S10123</b>	16,005,121	-	-	16,005,121
Water Main Replacements / <b>AKB00003</b>	158,111,910	41,172,755	320,000,000	519,284,665
Water Pump Station Restoration / <b>ABJ00001</b>	6,335,569	4,660,427	21,456,323	32,452,319
Water Treatment Plants / <b>ABI00001</b>	800,000	2,054,000	400,000	3,254,000
Wet Weather Storage Facility / <b>S00314</b>	2,991,626	-	4,280,501	7,272,127
<b>Public Utilities Total</b>	<b>\$ 997,026,043</b>	<b>\$ 211,420,915</b>	<b>\$1,077,031,293</b>	<b>\$2,285,478,251</b>



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### 30th Street Pipeline Replacement / S12010

**Council District:** 3, 8  
**Community Plan:** Greater North Park, Greater Golden Hill, Southeastern San Diego  
**Project Status:** Continuing  
**Duration:** 2014 - 2019  
**Improv Type:** Replacement

### Water - Distribution Sys - Transmission

**Priority Score:** 93  
**Priority Category:** Medium  
**Contact Information:** Amen, Rania  
 619-533-5492  
 ramen@sandiego.gov

**Description:** This project will replace approximately 5.45 miles of existing cast iron (CI) 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:** Because the pipeline has been paralleled by the newer 28th Street Pipeline south of Thorn Street and no longer serves as an important transmission route to University Heights (390 Zone), 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 and Greater Golden Hill Community Plans and is in conformance with the City's General Plan.

**Schedule:** Design began in Fiscal Year 2014 and is scheduled to be completed in Fiscal Year 2015. Construction is scheduled to begin in Fiscal Year 2016 and be completed in Fiscal Year 2018.

**Summary of Project Changes:** The total project cost increased by \$5.4 million due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 106,834	\$ 264,353	\$ 2,000,000	\$ -	\$ 8,000,000	\$ 4,368,813	\$ -	\$ -	\$ -	\$ -	\$ 14,740,000
<b>Total</b>		<b>\$ 106,834</b>	<b>\$ 264,353</b>	<b>\$ 2,000,000</b>	<b>\$ -</b>	<b>\$ 8,000,000</b>	<b>\$ 4,368,813</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 14,740,000</b>

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### 69th & Mohawk Pump Station / S12011

**Council District:** 9  
**Community Plan:** College Area  
**Project Status:** Continuing  
**Duration:** 2013 - 2018  
**Improv Type:** Expansion

### Bldg - Water - Pump Stations

**Priority Score:** 96  
**Priority Category:** High  
**Contact Information:** Azar, Hossein  
 619-533-4102  
 hazar@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 Zone. Suction to the pump station will come from the Mid-City Pipeline Phase II.

**Justification:** This project will replace the existing 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 2014 and will be completed in Fiscal Year 2016. Construction is scheduled to begin in Fiscal Year 2017 and be completed in Fiscal Year 2018.

**Summary of Project Changes:** The total project cost increased by \$5.7 million due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 414,685	\$ 114,444	\$ 3,585,500	\$ -	\$ -	\$ 7,000,000	\$ 7,172,371	\$ -	\$ -	\$ -	\$ 18,287,000
<b>Total</b>		<b>\$ 414,685</b>	<b>\$ 114,444</b>	<b>\$ 3,585,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,000,000</b>	<b>\$ 7,172,371</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 18,287,000</b>

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### Alvarado 2nd PL Exten & Morena Blvd CI / S12013

**Council District:** 2, 7  
**Community Plan:** Mission Valley, Linda Vista, Mission Bay Park  
**Project Status:** Continuing  
**Duration:** 2012 - 2021  
**Improv Type:** Replacement

### Water - Distribution Sys - Transmission

**Priority Score:** 92  
**Priority Category:** Medium  
**Contact Information:** Rubalcava, Eric  
 858-654-4284  
 erubalcava@sandiego.gov

**Description:** This project provides for the replacement of the aging Kearny Mesa Pipeline transmission route with a new transmission route that uses the Alvarado 2nd Pipeline. It will replace 17,032 linear feet of existing 20-inch and 16-inch cast iron Morena Boulevard Pipeline with a new 36-inch Morena Boulevard Pipeline, which will run from the end of the 48-inch Alvarado 2nd Extension Pipeline and connect to the Kearny Mesa Pipeline at the north end, operating at a 536 Hydraulic Grade Line (HGL). It will also replace 15,598 linear feet of parallel 16-inch distribution line from Friars Road and Morena to Morena and Balboa Avenue. The new 16-inch line will operate at 390 HGL connecting to the existing 16-inch line on Friars Road and terminating at Morena and Bunker Hill Street. Additionally, it is proposed that 22,504 linear feet of new 48-inch Alvarado 2nd Extension Pipeline from the western terminus of the existing 48-inch Alvarado 2nd Pipeline (at Interstate 805 and Friars Road to Morena Boulevard and Napa Street) be built.

**Justification:** This project will replace cast iron pipe; provide redundant transmission to the coastal zones of La Jolla and Pacific Beach for supply reliability; improve water quality; reduce energy waste at the Miramar County Water Authority Pump back facility; reduce peaking problems in the Miramar Water Treatment Plant service area; and provide supply flexibility (Alvarado vs. Miramar). This project is part of a larger plan to improve transmission reliability to the coastal Pacific Beach/La Jolla Zones by replacing the aging Kearny Mesa Pipeline as the lead supply, and adding a second transmission route to the coastal zones.

**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 is scheduled to begin in Fiscal Year 2016 and will be completed in Fiscal Year 2018. Construction is scheduled to begin in Fiscal Year 2018 and be completed in Fiscal Year 2021.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ -	\$ -	\$ -	\$ -	\$ 1,173,807	\$ 3,642,612	\$ 20,429,989	\$ 21,695,085	\$ 20,000,000	\$ -	\$ 66,941,493
<b>Total</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,173,807</b>	<b>\$ 3,642,612</b>	<b>\$ 20,429,989</b>	<b>\$ 21,695,085</b>	<b>\$ 20,000,000</b>	<b>\$ -</b>	<b>\$ 66,941,493</b>

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### Alvarado WTP Upgrade & Expansion / S00021

### Bldg - Water - Treatment Plants

<b>Council District:</b> 7	<b>Priority Score:</b> N/A
<b>Community Plan:</b> Navajo	<b>Priority Category:</b> N/A
<b>Project Status:</b> Warranty	<b>Contact Information:</b> Asgharzadeh, Iraj
<b>Duration:</b> 1999 - 2015	619-533-5105
<b>Improv Type:</b> Expansion	iasgharzadeh@sandiego.gov

**Description:** This project increases the treatment capacity of the Alvarado Water Treatment Plant (WTP) from 150 million gallons of water per day (mgd) to 200 mgd and upgrades the existing treatment plant facilities to replace aged equipment to comply with new drinking water regulations. This project is split into multiple construction projects and will be phase funded. The major project components consist of the construction of two new sedimentation basins, the rehabilitation of existing 1950s-era sedimentation basins, the rehabilitation of the mechanical equipment and controls on the filters, ozone generation, and treatment facilities. Various site and landscaping improvements will also be made.

**Justification:** The Safe Drinking Water Act, Environmental Protection Agency regulations, and a Department of Public Health Compliance Order dictate the need to upgrade the treatment plant process and equipment. Anticipated future demands within the Alvarado Water Service Area also require the plant to be expanded to 200 mgd, allowing for better utilization of the raw water storage in the San Vicente and El Capitan Reservoirs.

**Operating Budget Impact:** The upgrade from chlorine to ozone, as the primary disinfectant, will have a significant impact on the electrical and chemical consumption of the plant. The increase in treated water capacity and the technical aspect of the equipment will also impact the cost for maintaining and operating the plant.

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

**Schedule:** Design began in Fiscal Year 1999 and has continued through subsequent phases of work. Construction began on the initial phase of work in Fiscal Year 2004 and was completed in Fiscal Year 2014. Alvarado WTP - Flow Control Facility #12 has been postponed indefinitely until water demand increases.

**Summary of Project Changes:** This project is complete and will be closed by the end of the fiscal year.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 55,942,215	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,942,215
<b>Total</b>		<b>\$ 55,942,215</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 55,942,215</b>

## Public Utilities

### Backup Generators at SPS's, TP & EMTS / S12036

**Council District:** 1, 2, 5, 8  
**Community Plan:** University, Miramar Ranch North, Barrio Logan, Torrey Pines  
**Project Status:** Continuing  
**Duration:** 2012 - 2015  
**Improv Type:** New

### Bldg - MWWD - Pump Stations

**Priority Score:** N/A  
**Priority Category:** N/A  
**Contact Information:** Quach, Margaret  
 858-292-6430  
 mquach@sandiego.gov

**Description:** This project will purchase seven generators and provide a design-build contract to install the generators and associated equipment for permanent power connection to existing sewer Pump Stations 1, 64, 65, Penasquitos, North City Reclamation Plant, and Environmental Monitoring Technical Services laboratory. Approximately 34 percent of all Metro Sewer Utility Fund expenditures related to this project are funded by Participating Agencies.

**Justification:** This project is necessary to prevent environmental damage from sewer spills and prevention of permit violation issues when regional electrical black-outs occur.

**Operating Budget Impact:** None

**Relationship to General and Community Plans:** This project is consistent with the University, Miramar Ranch North, Barrio Logan, and Torrey Pines Community Plans and is in conformance with the City's General Plan.

**Schedule:** Engine procurement began in late Fiscal Year 2012 and was completed in Fiscal Year 2014. Design-build contract began in Fiscal Year 2013 and is scheduled to be completed in Fiscal Year 2015.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 6,266,342	\$ 1,969,880	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,236,222
Muni Sewer Utility - CIP Funding Source	700008	7,984,139	1,525,239	-	-	-	-	-	-	-	-	9,509,378
<b>Total</b>		<b>\$ 14,250,481</b>	<b>\$ 3,495,119</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 17,745,600</b>

## Public Utilities

### Balboa Terrace Trunk Sewer / S12035

### Wastewater - Collection Sys - Trunk Swr

<b>Council District:</b> 6	<b>Priority Score:</b> N/A
<b>Community Plan:</b> Clairemont Mesa	<b>Priority Category:</b> N/A
<b>Project Status:</b> Warranty	<b>Contact Information:</b> Gamboa, Wendy
<b>Duration:</b> 1999 - 2015	619-235-1971
<b>Improv Type:</b> Replacement	wgamboa@sandiego.gov

**Description:** This project includes the installation of 8-inch, 15-inch, and 21-inch sewer pipe via tunneling and open trench construction and other related work.

**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.

**Justification:** This project will upgrade the existing trunk sewer with a larger pipe to accommodate additional flow in the future.

**Schedule:** Design began in Fiscal Year 2010 and was completed in Fiscal Year 2012. Construction began in Fiscal Year 2013 and was completed in Fiscal Year 2014.

**Operating Budget Impact:** None.

**Summary of Project Changes:** This project is complete and will be closed by the end of the fiscal year.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015						Unidentified Funding	Project Total
					Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY		
Muni Sewer Utility - CIP Funding Source	700008	\$ 8,763,616	\$ 1,328,197	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,091,812
<b>Total</b>		<b>\$ 8,763,616</b>	<b>\$ 1,328,197</b>	<b>\$ -</b>	<b>\$ 10,091,812</b>							

## Public Utilities

### Barrett Flume Cover / S10013

### Bldg - Water - Reservoirs/Dams

<b>Council District:</b> Non-city	<b>Priority Score:</b> 83
<b>Community Plan:</b> Non City	<b>Priority Category:</b> Medium
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Rubalcava, Eric
<b>Duration:</b> 2010 - 2021	858-654-4284
<b>Improv Type:</b> Replacement	erubalcava@sandiego.gov

**Description:** This project will assess the 10 to 12 miles of open channel delivering water from the Barrett Reservoir to the Lower Otay Reservoir. Based on the assessment, the flume will be covered or replaced.

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

**Justification:** Each year golden eagles, deer, and other wildlife drown in the open channel sections of the Barrett Flume. There is also an excessive maintenance burden to keep soil and sediment out. Additionally, there is a slight algae build up due to sunlight. Covering the open flume sections is necessary to prevent fines and sanctions from the resource agencies, to maintain water quality, and to reduce maintenance and down time.

**Schedule:** Planning began in Fiscal Year 2013. Design is scheduled to begin in Fiscal Year 2015. Construction is estimated to begin in Fiscal Year 2017 and end in Fiscal Year 2021.

**Summary of Project Changes:** The total project cost has decreased by \$441,663 due to revised requirements.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 359,481	\$ 39,403	\$ 500,000	\$ -	\$ 2,911,948	\$ 1,738,729	\$ -	\$ -	\$ -	\$ -	\$ 5,549,561
Water Utility Operating Fund	700011	1,116	-	-	-	-	-	-	-	-	-	1,116
<b>Total</b>		<b>\$ 360,597</b>	<b>\$ 39,403</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ 2,911,948</b>	<b>\$ 1,738,729</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,550,677</b>

## Public Utilities

### Bayview Reservoir Solar Project / S14021

### Bldg - Other City Facility / Structures

<b>Council District:</b> 1	<b>Priority Score:</b> 90
<b>Community Plan:</b> La Jolla	<b>Priority Category:</b> High
<b>Project Status:</b> New	<b>Contact Information:</b> Antoun, Nevien
<b>Duration:</b> 2014 - 2017	619-533-4852
<b>Improv Type:</b> Expansion	nantoun@sanidiego.gov

**Description:** This project includes the design, installation, and interconnection of a 450 kilowatts (kw) solar photovoltaic system on the deck of the Bayview Reservoir.

**Justification:** Project complies with the City's Solar Implementation Plan and will provide enough solar electricity to supply approximately 75-80% of the facility pump stations electricity when averaged over the year.

**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:** The project will be designed and constructed under the City's as-needed solar design/build contract. Design is scheduled to begin and be completed in Fiscal Year 2015. Construction is scheduled to begin in Fiscal Year 2015 and be completed in Fiscal Year 2016.

**Summary of Project Changes:** In Fiscal Year 2015, \$325,000 is anticipated to be appropriated from the Energy Conservation Fund to this project via City Council resolution.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Energy Conservation Program CIP Fund	200225	\$ -	\$ -	\$ -	\$ 325,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 325,000
Water Utility - CIP Funding Source	700010	-	-	2,000,000	-	-	-	-	-	-	-	2,000,000
<b>Total</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,000,000</b>	<b>\$ 325,000</b>	<b>\$ -</b>	<b>\$ 2,325,000</b>					

## Public Utilities

### Catalina 12inch Cast Iron Mains / S12008

**Council District:** 2  
**Community Plan:** Peninsula  
**Project Status:** Continuing  
**Duration:** 2014 - 2019  
**Improv Type:** Replacement

### Water - Distribution Sys - Transmission

**Priority Score:** 98  
**Priority Category:** High  
**Contact Information:** Schaar, Luis  
 619-533-7492  
 lschaar@sandiego.gov

**Description:** This project will replace and install approximately 16,000 linear feet of existing cast iron (CI) pipeline (size varies) with PVC pipeline and cement mortar lined and coated steel pipeline (CMLCS) on Catalina Blvd. The scope of work includes but is not limited to replacing the Catalina Pump Station 16-inch CI discharge pipeline with a 16-inch CMLCS pipeline; installing a 24-inch CMLCS from the proposed 16-inch CMLCS pump station discharge pipeline to the proposed Catalina Standpipe inlet; installing a 16-inch PVC from Catalina Standpipe to DuPont Street; and installing a 24-inch CMLCS pipeline from Catalina Standpipe to Garden Lane.

**Justification:** This project will replace cast iron pipe, provide supply reliability to the Catalina Pump Station service area, and improve water quality.

**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 2014 and will be completed in Fiscal Year 2016. Construction is scheduled to begin in Fiscal Year 2016 and be completed in Fiscal Year 2018.

**Summary of Project Changes:** The total project cost increased by \$1.0 million due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 79,978	\$ 920,022	\$ 3,000,000	\$ -	\$ 4,417,326	\$ 1,006,734	\$ -	\$ -	\$ -	\$ -	\$ 9,424,060
<b>Total</b>		<b>\$ 79,978</b>	<b>\$ 920,022</b>	<b>\$ 3,000,000</b>	<b>\$ -</b>	<b>\$ 4,417,326</b>	<b>\$ 1,006,734</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 9,424,060</b>

## Public Utilities

### Chollas Building / S11025

### Bldg - Operations Facility / Structures

<b>Council District:</b> 9	<b>Priority Score:</b> 65
<b>Community Plan:</b> Eastern Area (Mid-City)	<b>Priority Category:</b> Low
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Azar, Hossein
<b>Duration:</b> 2011 - 2017	619-533-4102
<b>Improv Type:</b> Replacement	hazar@sandiego.gov

**Description:** This project will construct two new buildings: one two-story building for administration staff and a one-story maintenance shop.

**Justification:** This project will allow for Water Operations Division to consolidate their staff in one central facility. The existing facility is not adequate for current needs.

**Operating Budget Impact:** None.

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

**Schedule:** Design/Build is scheduled to begin in Fiscal Year 2015 and to be completed in Fiscal Year 2017.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 491,806	\$ 7,157,720	\$ -	\$ -	\$ 9,000,000	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ 17,449,525
Water Utility Operating Fund	700011	250,475	0	-	-	-	-	-	-	-	-	250,475
<b>Total</b>		<b>\$ 742,281</b>	<b>\$ 7,157,720</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 9,000,000</b>	<b>\$ 800,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 17,700,000</b>

## Public Utilities

### Cielo & Woodman Pump Station / S12012

<b>Council District:</b> 4	<b>Priority Score:</b> 90
<b>Community Plan:</b> Southeastern (Encanto Neighborhoods)	<b>Priority Category:</b> High
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Azar, Hossein
<b>Duration:</b> 2014 - 2019	619-533-4102
<b>Improv Type:</b> Expansion	hazar@sandiego.gov

### Bldg - Water - Pump Stations

**Description:** This project provides for the replacement of the Cielo and Woodman Pump Station (PS) with a new PS with 12 million gallons per day (mgd) capacity to improve efficiency and reliability, and allow for substitution of Alvarado City water (536 Zone) which is now provided via the County Water Authority (CWA) #19 Paradise Mesa Crosstie. It will replace two 12-inch and 16-inch cast iron distribution mains. The first main is on Imperial and Woodman Street and the second main is on Skyline Drive to Cielo Drive. It will install a dedicated Alvarado 536 line from the intersection of Imperial Avenue and Woodman Street to the new upgraded Cielo and Woodman PS.

**Justification:** This project will replace a deteriorating pump station facility and cast iron mains that lead to the station. According to year 2030 demands, the Otay Water Treatment Plant (WTP) will not be able to supply enough suction head to the pump station. Thus, the pump station would need to be supplied from the Alvarado Water Treatment Plant (WTP).

**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 is scheduled to begin in Fiscal Year 2015 and will be completed in Fiscal Year 2016. Construction is scheduled to begin in Fiscal Year 2017 and be completed in Fiscal Year 2019.

**Summary of Project Changes:** The total project cost increased by \$200,001 due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 55,282	\$ 44,718	\$ 500,000	\$ -	\$ 821,750	\$ 1,861,226	\$ 11,270,174	\$ 126,397	\$ -	\$ -	\$ 14,679,547
<b>Total</b>		<b>\$ 55,282</b>	<b>\$ 44,718</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ 821,750</b>	<b>\$ 1,861,226</b>	<b>\$ 11,270,174</b>	<b>\$ 126,397</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 14,679,547</b>

## Public Utilities

### Colony Hill Water Main Relocation / S11102

<b>Council District:</b> 1	<b>Priority Score:</b> 88
<b>Community Plan:</b> La Jolla	<b>Priority Category:</b> Low
<b>Project Status:</b> Warranty	<b>Contact Information:</b> Amen, Rania
<b>Duration:</b> 2011 - 2015	619-533-5492
<b>Improv Type:</b> Replacement	ramen@sandiego.gov

**Description:** This project consists of the installation of approximately 1,199 linear feet of 16-inch water mains, 155.03 linear feet of 8-inch water mains, and relocation of several water services and fire hydrants within the following streets: Via Capri, Via Avola, Caminito Rialto, Caminito Avola, and within the existing water easement adjacent to the Colony Hill Home Owners Association Clubhouse.

**Justification:** This project is a result of a settlement agreement between the City of San Diego and the Colony Hill HOA in July 2010. The City of San Diego is responsible to complete the construction within two years from the date of the settlement.

**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:** Planning started in Fiscal Year 2011 and was completed in Fiscal Year 2012. Design and construction began in Fiscal Year 2012 and was completed in Fiscal Year 2014 after completing the easement acquisition process.

**Summary of Project Changes:** This project is complete and will be closed by the end of the fiscal year.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 1,290,945	\$ 213,305	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,504,250
<b>Total</b>		<b>\$ 1,290,945</b>	<b>\$ 213,305</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,504,250</b>

## Public Utilities

### Corrosion Control / AKA00001

**Council District:** Citywide  
**Community Plan:** Citywide  
**Project Status:** Continuing  
**Duration:** 2010 - 2021  
**Improv Type:** Replacement

### Water - Distribution Sys - Transmission

**Priority Score:** Annual  
**Priority Category:** Annual  
**Contact Information:** Hwang, Guann  
 858-292-6476  
 ghwang@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:** The annual project cost for Fiscal Year 2015 decreased by \$100,000 due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 20,493	\$ 478,450	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ 798,943
<b>Total</b>		<b>\$ 20,493</b>	<b>\$ 478,450</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 798,943</b>

## Public Utilities

### Dams and Reservoirs / ABK00001

<b>Council District:</b> Citywide	<b>Priority Score:</b> Annual
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> Annual
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Hwang, Guann
<b>Duration:</b> 2010 - 2021	858-292-6476
<b>Improv Type:</b> Replacement	ghwang@sandiego.gov

### Bldg - Water - Reservoirs/Dams

**Description:** This annual allocation provides for rehabilitating and reconstructing improvement projects at reservoirs and dams. Projects include resurfacing access roads, reconstructing berms, installing lighting around dams, and sandblasting and shotcreting all exposed surfaces of the dams.

**Justification:** The rehabilitation and reconstruction of access roads and the upgrading of berms, lighting, and all exposed surfaces of the dams are necessary to maintain access to and safety in the dam area. The State required improvements will also serve to satisfy a portion of the Division of Safety of Dams.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is in compliance 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:** The annual project cost for Fiscal Year 2015 decreased by \$1.6 million due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2016	FY 2017	FY 2018	FY 2019			
Water Utility - CIP Funding Source	700010	\$ 1,221,505	\$ 123,035	\$ -	\$ -	\$ 2,468,034	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,812,574
Water Utility Operating Fund	700011	61,230	-	-	-	-	-	-	-	-	-	61,230
<b>Total</b>		<b>\$ 1,282,735</b>	<b>\$ 123,035</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,468,034</b>	<b>\$ -</b>	<b>\$ 3,873,804</b>				

## Public Utilities

### Del Mar Heights East Segment / S12017

**Council District:** 1  
**Community Plan:** Del Mar Mesa  
**Project Status:** Continuing  
**Duration:** 2012 - 2020  
**Improv Type:** Expansion

### Water - Distribution Sys - Transmission

**Priority Score:** 83  
**Priority Category:** Low  
**Contact Information:** Rubalcava, Eric  
 858-654-4284  
 erubalcava@sandiego.gov

**Description:** This project provides for the installation of 2,800 feet of 36-inch pipe segments and 3,668 feet of parallel pipeline between Mona Lane and Lopiella Meadows Place for redundancy.

**Justification:** This pipeline was built in 1961 and has experienced leaks. It is in poor condition and has no corrosion protection. The original pipe was a 30-inch Steel Cylinder Rod Wrapped (SCRW) pipeline. This size is too small to meet projected demand increases in the area.

**Operating Budget Impact:** None.

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

**Schedule:** Design is scheduled to begin in Fiscal Year 2016 and will be completed in Fiscal Year 2017. Construction is scheduled to begin in Fiscal Year 2018 and be completed in Fiscal Year 2020.

**Summary of Project Changes:** The total project cost decreased by \$50,000 due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ -	\$ 50,000	\$ -	\$ -	\$ 730,282	\$ -	\$ 3,230,946	\$ 1,202,116	\$ -	\$ -	\$ 5,213,344
<b>Total</b>		<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 730,282</b>	<b>\$ -</b>	<b>\$ 3,230,946</b>	<b>\$ 1,202,116</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,213,344</b>

## Public Utilities

### Del Mar Heights Pipeline Relocation / S00070

<b>Council District:</b> 1	<b>Priority Score:</b> N/A
<b>Community Plan:</b> Del Mar Mesa	<b>Priority Category:</b> N/A
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Wilson, Leonard
<b>Duration:</b> 2005 - 2019	619-446-5421
<b>Improv Type:</b> Expansion	llwilson@sandiego.gov

**Description:** This project will provide for the relocation and upsizing of an existing 36-inch pipeline in the ultimate right-of-way for Carmel Valley Road. The existing Del Mar Heights Pipeline will no longer follow the alignment of Carmel Valley Road, once Carmel Valley Road is improved to four lanes.

**Justification:** Future maintenance of this facility is enhanced when it is in an accessible and convenient location such as a public street right-of-way. This project will relocate the pipeline so that it can be easily maintained, repaired, and serviced in the future.

**Operating Budget Impact:** None.

### Water - Distribution Sys - Distribution

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

**Schedule:** Design was completed in Fiscal Year 2012. Phase 1 construction (Del Mar Heights Road from the West Community Plan boundary to Carmel Valley Road and includes the bridge by-pass) began in Fiscal Year 2013 and is scheduled to be completed in Fiscal Year 2016. Phase 2 (Carmel Valley Road to Costa Del Sol) is contingent upon Public Facilities Financing Program approval and is planned for future years.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Pacific Highlands Ranch FBA	400090	\$ 4,285,793	\$ 64,207	\$ -	\$ -	\$ -	\$ -	900,000	2,700,000	\$ -	\$ -	7,950,000
<b>Total</b>		<b>\$ 4,285,793</b>	<b>\$ 64,207</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>900,000</b>	<b>2,700,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>7,950,000</b>

## Public Utilities

### EAM ERP Implementation / \$14000

<b>Council District:</b> Citywide	<b>Priority Score:</b> 85
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> High
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Arnold, Jane
<b>Duration:</b> 2013 - 2019	858-614-4569
<b>Improv Type:</b> Replacement	jarnold@sandiego.gov

### Bldg - Other City Facility / Structures

**Description:** This project provides for the establishment of an integrated, real-time SAP ERP Enterprise Asset Management software solution that builds upon the existing Citywide SAP ERP platform. This project will reduce the size of the EAM technological infrastructure while providing full integration in one SAP system. Citywide, multiple legacy maintenance management systems will be replaced with the new SAP-based solution, primarily EMPAC, SWIM, and PSTools within the Public Utilities Department, the Synergy SAP EAM system used within the Transportation and Storm Water Department, Public Works Department, and the Communications Division of the Department of Information Technology and the iMaint building maintenance system used by the Public Works Department, Facilities Division. In addition, approximately 34 percent of all Metro Sewer Utility Fund expenditures related to this project are funded by Participating Agencies.

**Justification:** A comprehensive maintenance management system is required to appropriately manage the complex asset infrastructure needed to provide water and wastewater services to the San Diego region and to provide sophisticated asset capital planning activities to ensure future needs are met. The SAP ERP Enterprise Asset Management (EAM) Implementation is a strategic project for investment in, and support of, the Citywide SAP ERP System for the City of San Diego which will provide the cornerstone EAM solution, Citywide.

**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:** This project schedule will follow the Accelerated SAP methodology for the project's life cycle. It will use the standardized work breakdown structure (WBS) that provides the foundation for defining implementation project work in a deliverable-oriented, hierarchical manner in order to manage the project work to completion. The project duration is estimated at four years.

**Summary of Project Changes:** The project received \$1.1 million in OneSD Support Funds in Fiscal Year 2014 from the Enterprise Asset Management project (S13013) as the projects were merged. The total project cost increased by \$10.9 million as a result of revised project scope requirements. Refinement of the project scope allowed more detailed analysts of actual budget requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 99,000	\$ 1,139,160	\$ 1,203,400	\$ -	\$ 2,258,556	\$ 286,000	\$ -	\$ -	\$ -	\$ -	\$ 4,986,116
Muni Sewer Utility - CIP Funding Source	700008	171,000	1,967,640	2,078,600	-	3,901,141	494,000	-	-	-	-	8,612,381
OneSD Support Fund	200610	-	1,100,000	-	-	-	-	-	-	-	-	1,100,000
Water Utility - CIP Funding Source	700010	180,000	2,071,200	2,188,000	-	4,106,465	520,000	-	-	-	-	9,065,665
<b>Total</b>		<b>\$ 450,000</b>	<b>\$ 6,278,000</b>	<b>\$ 5,470,000</b>	<b>\$ -</b>	<b>\$ 10,266,162</b>	<b>\$ 1,300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 23,764,162</b>

## Public Utilities

### EMTS Boat Dock and Steam Line Relocation / S00319

**Council District:** 2  
**Community Plan:** Peninsula  
**Project Status:** Continuing  
**Duration:** 2012 - 2016  
**Improv Type:** New

### Bldg - MWWD - Laboratories

**Priority Score:** 81  
**Priority Category:** Medium  
**Contact Information:** Eling, Michael  
 858-292-6477  
 melling@sandiego.gov

**Description:** The Environmental Monitoring and Technical Services (EMTS) Laboratory Boat Dock and Steam Line Project provides for the design and construction of a boat dock located in the channel adjacent to the EMTS laboratory, as well as the installation of an esplanade and undergrounding of approximately 600 feet of an above-ground steam line situated along the frontage of the boat channel. Approximately 34 percent of all Metro Sewer Utility Fund expenditures related to this project are funded by Participating Agencies.

**Justification:** As part of a Public Benefit Conveyance (PBC) from the federal government, MWWD designed and constructed a 40,000 square foot ocean monitoring laboratory which is now in operation. The design of this project included a boat dock to service the laboratory. Permits obtained as part of the construction required Metro to fund a portion of a future park esplanade located adjacent to the laboratory frontage. To gain future unobstructed access to the boat dock, and to provide unobstructed access to the future esplanade, the existing steam line must be undergrounded. Public Utilities currently leases boat dock space at Driscoll's Wharf and this project would eliminate this ongoing expense.

**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:** The dock was partially designed in Fiscal Year 2001, but was postponed due to ongoing issues related to the contamination and conveyance of the boat channel. The design is scheduled to begin and be completed in Fiscal Year 2015, with construction scheduled to begin in Fiscal Year 2015 and be completed in Fiscal Year 2016.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 61,753	\$ 1,670,384	\$ 286,398	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,018,535
<b>Total</b>		<b>\$ 61,753</b>	<b>\$ 1,670,384</b>	<b>\$ 286,398</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,018,535</b>

## Public Utilities

### East Mission Gorge Force Main Rehab / S00326

### Wastewater - Collection Sys - Trunk Swr

<b>Council District:</b> 7	<b>Priority Score:</b> 90
<b>Community Plan:</b> Navajo	<b>Priority Category:</b> Medium
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Phung, Tung
<b>Duration:</b> 2004 - 2019	858-292-6425
<b>Improv Type:</b> Replacement	tphung@sandiego.gov

**Description:** This project provides for the rehabilitation of the East Mission Gorge force main due to deterioration of the pipeline concrete lining from sulfuric acid build-up.

**Justification:** This project provides for the rehabilitation of the force main in order to prevent breakage of the force main and prevent potential sewage spills.

**Operating Budget Impact:** None.

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

**Schedule:** This project is on hold pending the negotiation of a cost-sharing agreement with the Participating Agencies.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2016	FY 2017	FY 2018	FY 2019			
Historical Fund	X999	\$ 441,835	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 441,835
Muni Sewer Utility - CIP Funding Source	700008	-	212,805	-	-	518,062	2,856,302	2,162,831	-	-	-	5,750,000
<b>Total</b>		<b>\$ 441,835</b>	<b>\$ 212,805</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 518,062</b>	<b>\$ 2,856,302</b>	<b>\$ 2,162,831</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,191,835</b>

## Public Utilities

### El Capitan Reservoir Road Improvements / S00040

**Council District:** Non-city  
**Community Plan:** Non City  
**Project Status:** Continuing  
**Duration:** 1999 - 2018  
**Improv Type:** Replacement - Rehab

### Bldg - Water - Reservoirs/Dams

**Priority Score:** 20  
**Priority Category:** Low  
**Contact Information:** Rubalcava, Eric  
 858-654-4284  
 erubalcava@sandiego.gov

**Description:** This project provides for repairing and widening the access road to El Capitan Reservoir.

**Justification:** The existing access road is narrow and has become a safety concern due to rain induced sloughing. Widening the road will improve accessibility to the reservoir, accommodate recreation activities, and assist maintenance efforts for the reservoir.

**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. This project is in conformance with the City's General Plan.

**Schedule:** Design began in Fiscal Year 2000 and was completed in Fiscal Year 2001. Construction has been re-scheduled to begin in Fiscal Year 2016 and to be completed in Fiscal Year 2018.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015						Unidentified Funding	Project Total
					Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY		
Historical Fund	X999	\$ 426,601	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 426,601
Water Utility - CIP Funding Source	700010	-	-	-	-	189,564	1,840,809	176,722	-	-	-	2,207,095
<b>Total</b>		<b>\$ 426,601</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 189,564</b>	<b>\$ 1,840,809</b>	<b>\$ 176,722</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,633,696</b>

## Public Utilities

### El Monte Pipeline No 2 / S10008

### Water - Distribution Sys - Distribution

<b>Council District:</b> 7	<b>Priority Score:</b> 96
<b>Community Plan:</b> Navajo	<b>Priority Category:</b> High
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Wong, Pete
<b>Duration:</b> 2010 - 2017	858-292-6475
<b>Improv Type:</b> Replacement - Rehab	pwong@sandiego.gov

**Description:** This project will perform a condition assessment on the existing 63,900 foot long 48-inch to 72-inch diameter pipeline between the Lakeside Pump Station and the Alvarado Water Treatment Plant.

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

**Justification:** This project is necessary to ensure that future water demands are met in the Alvarado service area.

**Schedule:** Condition assessment began in Fiscal Year 2014 and is scheduled to be completed in Fiscal Year 2016.

**Operating Budget Impact:** None.

**Summary of Project Changes:** The total project cost decreased by \$1.1 million due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 2,070,068	\$ 176,953	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,647,021
Water Utility Operating Fund	700011	979	-	-	-	-	-	-	-	-	-	979
<b>Total</b>		<b>\$ 2,071,047</b>	<b>\$ 176,953</b>	<b>\$ 400,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,648,000</b>

## Public Utilities

### Freeway Relocation / AKB00002

<b>Council District:</b> Citywide	<b>Priority Score:</b> Annual
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> Annual
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Hwang, Guann
<b>Duration:</b> 2010 - 2021	858-292-6476
<b>Improv Type:</b> Replacement	ghwang@sandiego.gov

**Description:** This annual allocation provides funding to relocate water lines in conflict with the State Department of Transportation 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.

### Water - Distribution Sys - Distribution

**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 per Caltrans requests.

**Summary of Project Changes:** The annual project cost for Fiscal Year 2015 increased by \$1.3 million due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 1,561,054	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,561,054
Water Utility - CIP Funding Source	700010	284,409	656,282	1,745,273	-	100,000	100,000	100,000	100,000	-	-	3,085,964
Water Utility Operating Fund	700011	281,224	-	-	-	-	-	-	-	-	-	281,224
<b>Total</b>		<b>\$ 2,126,687</b>	<b>\$ 656,282</b>	<b>\$ 1,745,273</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,928,243</b>

## Public Utilities

### Groundwater Asset Development Program / ABM00001

### Bldg - Water - Wells

<b>Council District:</b> Citywide	<b>Priority Score:</b> Annual
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> Annual
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Adrian, George
<b>Duration:</b> 2010 - 2021	619-533-4680
<b>Improv Type:</b> Replacement	gadrian@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 90 percent of its water from the Colorado River and the State Water Project. The City has access to nine under-utilized groundwater assets that could be developed to supply new yield, seasonal storage, or carryover storage.

**Operating Budget Impact:** None.

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

**Schedule:** Research, exploration, and demonstration began in Fiscal Year 2001 and continued through Fiscal Year 2014. Design and construction of sub-projects identified in the research/exploration/demonstration phase began in Fiscal Year 2012 and will continue through Fiscal Year 2021 and beyond.

**Summary of Project Changes:** The annual project cost for Fiscal Year 2015 increased by \$500,000 due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Grant Fund-Enterprise-Other	710002	\$ 493,604	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	493,604
Historical Fund	X999	85,446	-	-	-	-	-	-	-	-	-	85,446
Water Utility - CIP Funding Source	700010	1,792,822	820,301	500,000	-	194,265	166,136	4,498,273	-	-	-	7,971,796
Water Utility Operating Fund	700011	670,186	1,899	-	-	-	-	-	-	-	-	672,084
<b>Total</b>		<b>\$ 3,042,058</b>	<b>\$ 822,199</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ 194,265</b>	<b>\$ 166,136</b>	<b>\$ 4,498,273</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>9,222,931</b>

## Public Utilities

### Harbor Drive Pipelines Replacement / S12028

### Water - Distribution Sys - Transmission

<b>Council District:</b> 2	<b>Priority Score:</b> 97
<b>Community Plan:</b> Peninsula	<b>Priority Category:</b> High
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Azar, Hossein
<b>Duration:</b> 2008 - 2015	619-533-4102
<b>Improv Type:</b> Replacement	hazar@sandiego.gov

**Description:** This project replaces 4.4 miles of 16-inch cast iron water pipeline from the Harbor Drive Bridge to the Point Loma Reservoir.

**Justification:** These improvements are necessary to prevent water pipe breaks and to ensure a continuous water supply to the Peninsula community planning area.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the Ocean Beach, Old San Diego, and Peninsula Community Plans and is in conformance with the City's General Plan.

**Schedule:** Design began in Fiscal Year 2010 and was completed in Fiscal Year 2012. Construction began in Fiscal Year 2012 and is scheduled to be completed in Fiscal Year 2015.

**Summary of Project Changes:** The total project cost increased by \$800,000 due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015						Unidentified Funding	Project Total
					Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY		
Historical Fund	X999	\$ 53,341	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 53,341
Water Utility - CIP Funding Source	700010	10,008,842	309,216	-	-	-	-	-	-	-	-	10,318,057
<b>Total</b>		<b>\$ 10,062,182</b>	<b>\$ 309,216</b>	<b>\$ -</b>	<b>\$ 10,371,398</b>							

## Public Utilities

### Harbor Drive Trunk Sewer Replacement / S00336

### Wastewater - Collection Sys - Trunk Swr

<b>Council District:</b> 8	<b>Priority Score:</b> 90
<b>Community Plan:</b> Barrio Logan	<b>Priority Category:</b> Medium
<b>Project Status:</b> Warranty	<b>Contact Information:</b> Spier, Carl
<b>Duration:</b> 2000 - 2015	619-533-5126
<b>Improv Type:</b> Expansion	cspier@sandiego.gov

**Description:** This project provides for upgrading and replacing existing portions of 39-inch Harbor Drive Trunk Sewer with 48-inch pipelines.

**Justification:** The existing trunk sewer has a portion constructed of techite pipeline, which has been prone to structural failure.

**Operating Budget Impact:** None.

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

**Schedule:** Design began in Fiscal Year 2002 and was completed in Fiscal Year 2011. Construction began in Fiscal Year 2012 and was completed in Fiscal Year 2014.

**Summary of Project Changes:** This project is complete and will be closed by end of the fiscal year.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015						Unidentified Funding	Project Total
					Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY		
Historical Fund	X999	\$ 642,459	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 642,459
Muni Sewer Utility - CIP Funding Source	700008	10,990,494	427,154	-	-	-	-	-	-	-	-	11,417,648
Municipal Sewer Revenue Fund	700000	338,640	-	-	-	-	-	-	-	-	-	338,640
<b>Total</b>		<b>\$ 11,971,594</b>	<b>\$ 427,154</b>	<b>\$ -</b>	<b>\$ 12,398,748</b>							

## Public Utilities

### La Jolla Scenic Drive 16inch Main / S12009

<b>Council District:</b> 1	<b>Priority Score:</b> 82
<b>Community Plan:</b> La Jolla	<b>Priority Category:</b> Low
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Rubalcava, Eric
<b>Duration:</b> 2012 - 2017	858-654-4284
<b>Improv Type:</b> Replacement	erubalcava@sandiego.gov

**Description:** This project provides for replacement of 6-inch, 8-inch, and 12-inch pipelines with 15,635 linear feet of 16-inch pipe from the Soledad Reservoir that travels south along La Jolla Scenic Drive South; continues onto La Jolla Rancho Road, La Jolla Mesa Drive, Muirlands Drive, and El Camino Del Teatro; rejoins Muirlands Drive and Nautilus Street; and terminates at Fairway Road and the Muirlands Pump Station (PS). It will connect the Muirlands PS to the south Soledad Muirlands (725 Zone) to provide backup supply to the 725 Zone, and to solve fire flow deficiency and maintain peak pressures.

**Justification:** The current distribution grid has insufficient capacity to meet fire flow requirements, 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.

### Water - Distribution Sys - Transmission

**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 is scheduled to begin in Fiscal Year 2015 and be completed in Fiscal Year 2016. Construction is scheduled to begin in Fiscal Year 2016 and be completed in Fiscal Year 2017.

**Summary of Project Changes:** The total project cost has increased by \$146,957 due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ -	\$ 724,089	\$ 500,000	\$ -	\$ 3,927,505	\$ 3,927,504	\$ -	\$ -	\$ -	\$ -	\$ 9,079,098
<b>Total</b>		<b>\$ -</b>	<b>\$ 724,089</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ 3,927,505</b>	<b>\$ 3,927,504</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 9,079,098</b>

## Public Utilities

### Large Diameter Water Transmission PPL / AKA00003

**Council District:** Citywide  
**Community Plan:** Citywide  
**Project Status:** Continuing  
**Duration:** 2010 - 2021  
**Improv Type:** Replacement

### Water - Distribution Sys - Transmission

**Priority Score:** Annual  
**Priority Category:** Annual  
**Contact Information:** Hwang, Guann  
 858-292-6476  
 ghwang@sanidiego.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 in a deteriorated 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:** The annual project cost for Fiscal Year 2015 decreased by \$5.7 million due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2016	FY 2017	FY 2018	FY 2019			
Water Utility - CIP Funding Source	700010	\$ 170,564	\$ 179,549	\$ 4,002,532	\$ -	\$ 12,837,980	\$ 9,024,089	\$ 2,164,314	\$ 850,375	\$ -	\$ -	\$ 29,229,403
<b>Total</b>		<b>\$ 170,564</b>	<b>\$ 179,549</b>	<b>\$ 4,002,532</b>	<b>\$ -</b>	<b>\$ 12,837,980</b>	<b>\$ 9,024,089</b>	<b>\$ 2,164,314</b>	<b>\$ 850,375</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 29,229,403</b>

## Public Utilities

### Lindbergh Field 16" CI Main Replacement / S10055

**Council District:** 2, 3  
**Community Plan:** Midway - Pacific Highway  
**Project Status:** Warranty  
**Duration:** 2010 - 2015  
**Improv Type:** Replacement

### Water - Distribution Sys - Transmission

**Priority Score:** 97  
**Priority Category:** High  
**Contact Information:** Azar, Hossein  
 619-533-4102  
 hazar@sandiego.gov

**Description:** This project replaces 1.34 miles of pipeline and relocates the 16-inch cast iron transmission main from adjacent to the departure taxiway at Lindbergh Field to the public street which is more accessible for operation and maintenance.

**Justification:** In case of a pipe failure requiring Water Operations to perform emergency repair, the pipeline must be relocated to a location outside the secured Airport property that is more accessible for operation and maintenance. The 12-inch and 16-inch cast iron pipe was installed in the 1940s.

**Operating Budget Impact:** None.

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

**Schedule:** Design began in Fiscal Year 2010. Construction began in Fiscal Year 2013 and was completed in Fiscal Year 2014.

**Summary of Project Changes:** This project is complete and will be closed by the end of the fiscal year.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015						Unidentified Funding	Project Total
					Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY		
Water Utility - CIP Funding Source	700010	\$ 2,989,119	\$ 122,358	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,111,476
Water Utility Operating Fund	700011	366,303	-	-	-	-	-	-	-	-	-	366,303
<b>Total</b>		<b>\$ 3,355,421</b>	<b>\$ 122,358</b>	<b>\$ -</b>	<b>\$ 3,477,779</b>							

## Public Utilities

### Little McGonigle Ranch Road Pipeline / S00069

<b>Council District:</b> 1	<b>Priority Score:</b> 70
<b>Community Plan:</b> Del Mar Mesa, Pacific Highlands Ranch	<b>Priority Category:</b> Low
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Wilson, Leonard
<b>Duration:</b> 2004 - 2015	619-446-5421
<b>Improv Type:</b> Expansion	llwilson@sandiego.gov

**Description:** This project provides for the construction of approximately 15,800 linear feet of 30-inch diameter water transmission pipeline in Carmel Mountain Road and Little McGonigle Ranch Road within the Del Mar Mesa and Pacific Highlands Ranch communities to provide capacity for both Del Mar Mesa and Pacific Highlands Ranch.

**Justification:** The pipeline is required to provide capacity in the water system to adequately supply the demand resulting from the build-out of the Del Mar Mesa and Pacific Highlands Ranch communities.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the Del Mar Mesa and Pacific Highlands Ranch Community Plans and is in conformance with the City's General Plan.

### Water - Distribution Sys - Transmission

**Schedule:** Phase 1 (Carmel Valley Road within SR-56/Carmel Valley Road Interchange within Right-of-Way) and Phase 2 (Carmel Valley Road from SR-56/Carmel Valley Road Interchange to Del Mar Heights Road) are complete. The design of Phase 3 (Little McGonigle Ranch Road from interchange to Del Mar Mesa Road) is not scheduled at this time. The design of Phase 4 (Little McGonigle Ranch Road from Del Mar Mesa Road to Devino Court) and Phase 5 (Carmel Mountain Road from Devino Court to Del Mar Mesa Community Boundary) are complete. Construction of Phases 4 and 5 is scheduled to be completed in Fiscal Year 2015, but is dependent upon the construction of the Shaw Lorenz Community.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015							Unidentified Funding	Project Total	
				FY 2015	Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY			
Del Mar Mesa FBA	400089	\$ 757,000	\$ 0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 757,000
<b>Total</b>		<b>\$ 757,000</b>	<b>\$ 0</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 757,000</b>							

## Public Utilities

### Lower Otay Outlet Tower / S12018

**Council District:** Non-city  
**Community Plan:** Non City  
**Project Status:** Continuing  
**Duration:** 2012 - 2020  
**Improv Type:** Betterment

### Bldg - Water - Reservoirs/Dams

**Priority Score:** 90  
**Priority Category:** High  
**Contact Information:** Rubalcava, Eric  
 858-654-4284  
 erubalcava@sandiego.gov

**Description:** This project provides for the upgrade/replacement of the Lower Otay Outlet Tower.

**Justification:** Seismic analysis concluded that the tower's concrete has an overstress in flexural tension. Both the tower and the tower foundation are in danger of failure.

**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 is scheduled to begin in Fiscal Year 2015 and be completed in Fiscal Year 2017. Construction is scheduled to begin in Fiscal Year 2018 and be completed in Fiscal Year 2020.

**Summary of Project Changes:** The total project cost increased by \$50,000 due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015							Unidentified Funding	Project Total
				FY 2015	Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY		
Water Utility - CIP Funding Source	700010	\$ -	\$ 50,000	\$ 250,000	\$ -	\$ 538,152	\$ 3,113,668	\$ 1,603,564	\$ -	\$ -	\$ -	\$ 5,555,384
<b>Total</b>		\$ -	\$ 50,000	\$ 250,000	\$ -	\$ 538,152	\$ 3,113,668	\$ 1,603,564	\$ -	\$ -	\$ -	\$ 5,555,384

## Public Utilities

### Lower Otay Reservoir Emer Outlet Improve / S00044

### Bldg - Water - Reservoirs/Dams

<b>Council District:</b> 8	<b>Priority Score:</b> 75
<b>Community Plan:</b> Otay Mesa - Nestor	<b>Priority Category:</b> Medium
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Azar, Hossein
<b>Duration:</b> 2001 - 2015	619-533-4102
<b>Improv Type:</b> Betterment	hazar@sandiego.gov

**Description:** This project provides for the installation of two sluice gates on the auxiliary spillway to improve drawdown capacity.

**Justification:** The State Department of Safety of Dams requires an emergency draw-down capability of 10 percent of reservoir capacity in 10 days. Lower Otay Reservoir (backed up by Savage Dam) requires 56 days for 10 percent drawdown in order to prevent a risk of dam failure.

**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. This project is in conformance with the City's General Plan.

**Schedule:** Design began in Fiscal Year 2001 and will be completed in Fiscal Year 2015. Construction is scheduled to begin in Fiscal Year 2015 and be completed in Fiscal Year 2015.

**Summary of Project Changes:** The total project cost increased \$300,000 due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 403,219	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 403,219
Water Utility - CIP Funding Source	700010	184,890	1,168,554	300,000	-	-	-	-	-	-	-	1,653,444
Water Utility Operating Fund	700011	243,337	-	-	-	-	-	-	-	-	-	243,337
<b>Total</b>		<b>\$ 831,446</b>	<b>\$ 1,168,554</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,300,000</b>

## Public Utilities

### MBC Biosolids Storage Silos / S00322

<b>Council District:</b> 6	<b>Priority Score:</b> 74
<b>Community Plan:</b> Non City	<b>Priority Category:</b> Low
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Asgharzadeh, Iraj
<b>Duration:</b> 2007 - 2015	619-533-5105
<b>Improv Type:</b> Expansion	iasgharzadeh@sandiego.gov

**Description:** This project provides for two additional biosolid storage silos (numbers 9 and 10). Approximately 34 percent of all Metro Sewer Utility Fund expenditures related to this project are funded by Participating Agencies.

**Justification:** When a silo is out of service, silo storage capacity is frequently exceeded. In order to accommodate such events and to restore adequate silo capacity, it is essential to build two more storage silos.

**Operating Budget Impact:** None.

### Bldg - MWWD - Treatment Plants

**Relationship to General and Community Plans:** This project is located on federal property Miramar and there is no community planning area. This project is in conformance with the City's General Plan.

**Schedule:** Design began in Fiscal Year 2009 and was completed in Fiscal Year 2013. Construction began in Fiscal Year 2014 and is scheduled to be completed in Fiscal Year 2015.

**Summary of Project Changes:** No significant change has been made for this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 120,320	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,320
Metro Sewer Utility - CIP Funding Source	700009	7,526,251	642,519	-	-	-	-	-	-	-	-	8,168,770
Metropolitan Sewer Utility Fund	700001	758,749	-	-	-	-	-	-	-	-	-	758,749
<b>Total</b>		<b>\$ 8,405,319</b>	<b>\$ 642,519</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 9,047,838</b>

## Public Utilities

### MBC Dewatering Centrifuges Replacement / S00339

### Bldg - MWWD - Treatment Plants

<b>Council District:</b> 6	<b>Priority Score:</b> 83
<b>Community Plan:</b> Non City	<b>Priority Category:</b> Medium
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Asgharzadeh, Iraj
<b>Duration:</b> 2009 - 2017	619-533-5105
<b>Improv Type:</b> Expansion	iasgharzadeh@sandiego.gov

**Description:** This project provides for the replacement of six of the eight existing dewatering centrifuges with six larger capacity units to better handle biosolids flows during maintenance of the centrifuges and its associated equipment and to handle larger future biosolids flows. The existing units are also near the end of their useful life. Approximately 34 percent of all Metro Sewer Utility Fund expenditures related to this project are funded by Participating Agencies.

**Justification:** This project will increase the production capacity of the dewatering centrifuges to accommodate plant shutdowns for maintenance and construction, to accommodate future flows, and to address diverse types of constraining operational factors that limit current capacity. To achieve the required capacity, the existing dewatering centrifuge units must be replaced with larger units.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is located on federal property and there is no community planning area. This project is in conformance with the City's General Plan.

**Schedule:** The schedule is based on a design/build type of contract. Design is scheduled to be completed by Fiscal Year 2015, and installation of the six centrifuges is scheduled to be completed by Fiscal Year 2016.

**Summary of Project Changes:** No significant changes has been made for this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 934	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	934
Metro Sewer Utility - CIP Funding Source	700009	6,614,133	900,961	3,913,900	-	-	-	-	-	-	-	11,428,995
Metropolitan Sewer Utility Fund	700001	12,625	-	-	-	-	-	-	-	-	-	12,625
<b>Total</b>		<b>\$ 6,627,693</b>	<b>\$ 900,961</b>	<b>\$ 3,913,900</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>11,442,554</b>

## Public Utilities

### MBC Odor Control Facility Upgrades / S00323

### Bldg - MWW - Treatment Plants

<b>Council District:</b> 6	<b>Priority Score:</b> 83
<b>Community Plan:</b> Non City	<b>Priority Category:</b> Medium
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Asgharzadeh, Iraj
<b>Duration:</b> 2007 - 2016	619-533-5105
<b>Improv Type:</b> Expansion	iasgharzadeh@sandiego.gov

**Description:** This project provides for upgrading the odor control system fans and ducting to reduce system headlosses and improve overall foul air collection efficiency at the various process areas. Access platforms will also be installed at monitoring instruments locations. Approximately 34 percent of all Metro Sewer Utility Fund expenditures related to this project are funded by Participating Agencies.

**Justification:** Several areas at the Metro Biosolids Center (MBC) have been identified to cause significant odor problems due to foul air collection deficiencies because of insufficient fan capacity and high headlosses, including poorly located foul air collection registers. Installing access platforms at the monitoring instruments and air volume control dampers will provide safe and timely access for operation and maintenance needs.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is located on federal property (Miramar) and there is no community planning area. This project is in conformance with the City's General Plan.

**Schedule:** Design began in Fiscal Year 2012 and was completed in Fiscal Year 2014. Construction began in Fiscal Year 2014 and is scheduled to be completed in Fiscal Year 2015.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 8,045	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	8,045
Metro Sewer Utility - CIP Funding Source	700009	1,268,304	3,185,222	1,681,507	-	-	-	-	-	-	-	6,135,032
Metropolitan Sewer Utility Fund	700001	56,923	-	-	-	-	-	-	-	-	-	56,923
<b>Total</b>		<b>\$ 1,333,271</b>	<b>\$ 3,185,222</b>	<b>\$ 1,681,507</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>6,200,000</b>

## Public Utilities

### MOC Complex Solar Project / S14022

### Bldg - Other City Facility / Structures

<b>Council District:</b> 6	<b>Priority Score:</b> 90
<b>Community Plan:</b> Kearny Mesa	<b>Priority Category:</b> High
<b>Project Status:</b> New	<b>Contact Information:</b> Antoun, Nevien
<b>Duration:</b> 2014 - 2017	619-533-4852
<b>Improv Type:</b> Expansion	nantoun@sanidiego.gov

**Description:** This project includes the design, installation, and interconnection of 550 kilowatts (kw) worth of solar photovoltaics at various locations throughout the MOC Complex in Kearny Mesa.

**Justification:** Project complies with the City's Solar Implementation Plan and will provide solar electricity to offset energy used at the MOC Complex buildings when averaged over the year.

**Operating Budget Impact:** None.

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

**Schedule:** The project will be designed and constructed under the City's as-needed solar design/build contract. Design is scheduled to begin and be completed in Fiscal Year 2015. Construction is scheduled to be completed in Fiscal Year 2016.

**Summary of Project Changes:** In Fiscal Year 2015, \$975,000 is anticipated to be appropriated from the Energy Conservation Fund to this project via City Council resolution.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Energy Conservation Program CIP Fund	200225	\$ -	\$ -	\$ -	\$ 975,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 975,000
Metro Sewer Utility - CIP Funding Source	700009	-	-	350,000	-	-	-	-	-	-	-	350,000
Muni Sewer Utility - CIP Funding Source	700008	-	-	900,000	-	-	-	-	-	-	-	900,000
Water Utility - CIP Funding Source	700010	-	-	450,000	-	-	-	-	-	-	-	450,000
<b>Total</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,700,000</b>	<b>\$ 975,000</b>	<b>\$ -</b>	<b>\$ 2,675,000</b>					

## Public Utilities

### Metro Facilities Control Systems Upgrade / L10000

### Bldg - MWW - Treatment Plants

<b>Council District:</b> 1, 2	<b>Priority Score:</b> 72
<b>Community Plan:</b> University, Peninsula	<b>Priority Category:</b> Low
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Azar, Hossein
<b>Duration:</b> 2010 - 2015	619-533-4102
<b>Improv Type:</b> Replacement	hazar@sandiego.gov

**Description:** This project provides for replacement and upgrade of existing control systems at various Metropolitan Wastewater treatment and pump station facilities. These include Metro Biosolids Center (MBC), North City Water Reclamation Plant (NCWRP), and Point Loma Water Treatment Plant (PLWTP). Approximately 34 percent of all Metro Sewer Utility Fund expenditures related to this project are funded by Participating Agencies.

**Justification:** This project is needed to provide replacement of existing control systems at various facilities. The existing control systems are microprocessor/computer-based. The life cycle of these systems is seven to 10 years. Replacement will also provide an upgrade in technology. The change in technology will provide the facilities with greater control system capabilities and are essential for future facility expansion.

**Operating Budget Impact:** None.

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

**Schedule:** Design and construction began in Fiscal Year 2010 and are scheduled to be completed in Fiscal Year 2015.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 6,622,771	\$ 1,576,540	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,199,311
Metropolitan Sewer Utility Fund	700001	71,077	-	-	-	-	-	-	-	-	-	71,077
<b>Total</b>		<b>\$ 6,693,848</b>	<b>\$ 1,576,540</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 8,270,388</b>

## Public Utilities

### Metro Treatment Plants / ABO00001

**Council District:** 2, 6, 7, 8  
**Community Plan:** Peninsula, University, Tijuana River Valley  
**Project Status:** Continuing  
**Duration:** 2010 - 2021  
**Improv Type:** Replacement

### Bldg - MWWD - Treatment Plants

**Priority Score:** Annual  
**Priority Category:** Annual  
**Contact Information:** Hwang, Guann  
 858-292-6476  
 ghwang@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 34 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:** No significant changes have been made to this project for Fiscal Year 2015.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 6,122	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,122
Metro Sewer Utility - CIP Funding Source	700009	13,931,066	2,440,051	4,000,000	-	4,314,117	1,948,347	830,000	200,000	-	-	27,663,581
Metropolitan Sewer Utility Fund	700001	399,415	0	-	-	-	-	-	-	-	-	399,415
<b>Total</b>		<b>\$ 14,336,603</b>	<b>\$ 2,440,051</b>	<b>\$ 4,000,000</b>	<b>\$ -</b>	<b>\$ 4,314,117</b>	<b>\$ 1,948,347</b>	<b>\$ 830,000</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 28,069,117</b>

## Public Utilities

### Metropolitan System Pump Stations / ABP00002

### Bldg - MWWD - Pump Stations

<b>Council District:</b> Citywide	<b>Priority Score:</b> Annual
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> Annual
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Hwang, Guann
<b>Duration:</b> 2010 - 2021	858-292-6476
<b>Improv Type:</b> Replacement	ghwang@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 34 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:** The annual project cost for Fiscal Year 2015 increased by \$1.0 million due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2016	FY 2017	FY 2018	FY 2019			
Historical Fund	X999	\$ 871,255	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 871,255
Metro Sewer Utility - CIP Funding Source	700009	3,297,588	320,045	1,000,000	-	997,827	2,340,689	703,293	200,000	-	-	8,859,442
Metropolitan Sewer Utility Fund	700001	5,901,235	-	-	-	-	-	-	-	-	-	5,901,235
<b>Total</b>		<b>\$ 10,070,078</b>	<b>\$ 320,045</b>	<b>\$ 1,000,000</b>	<b>\$ -</b>	<b>\$ 997,827</b>	<b>\$ 2,340,689</b>	<b>\$ 703,293</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,631,932</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 Plan:</b> Citywide	<b>Priority Category:</b> Annual
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Hwang, Guann
<b>Duration:</b> 2010 - 2021	858-292-6476
<b>Improv Type:</b> Replacement	ghwang@sandiego.gov

**Description:** This annual allocation provides for the replacement of trunk sewers at various locations, including canyons, within the City limits. Approximately 34 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:** The annual project increased by approximately \$800,000 in Fiscal Year 2015 due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2016	FY 2017	FY 2018	FY 2019			
Historical Fund	X999	\$ 6,103,794	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,103,794
Metro Sewer Utility - CIP Funding Source	700009	121,710	4,945,231	-	-	4,000,000	500,000	500,000	100,000	-	-	10,166,941
Metropolitan Sewer Utility Fund	700001	23,059	-	-	-	-	-	-	-	-	-	23,059
Muni Sewer Utility - CIP Funding Source	700008	11,702,850	5,146,120	2,000,000	-	2,605,636	16,384,440	10,899,802	1,000,000	-	-	49,738,848
Municipal Sewer Revenue Fund	700000	660,094	1	-	-	-	-	-	-	-	-	660,094
<b>Total</b>		<b>\$ 18,611,507</b>	<b>\$ 10,091,351</b>	<b>\$ 2,000,000</b>	<b>\$ -</b>	<b>\$ 6,605,636</b>	<b>\$ 16,884,440</b>	<b>\$ 11,399,802</b>	<b>\$ 1,100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 66,692,736</b>

## Public Utilities

### Miramar Clearwell Improvements / S11024

### Bldg - Water - Standpipes

<b>Council District:</b> 5	<b>Priority Score:</b> 100
<b>Community Plan:</b> Scripps Miramar Ranch	<b>Priority Category:</b> High
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Asgharzadeh, Iraj
<b>Duration:</b> 2011 - 2020	619-533-5105
<b>Improv Type:</b> Replacement	iasgharzadeh@sandiego.gov

**Description:** This project will construct two new clearwells just west of the Miramar Water Treatment Plant and a lift station after the filters.

**Justification:** This project will replace the existing clearwells at Miramar Water Treatment Plant. The existing clearwells were determined to have significant structural issues. The lift station will improve filter performance and increase hydraulic grade line to 712 feet.

**Operating Budget Impact:** None.

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

**Schedule:** Design began in Fiscal Year 2013 and is scheduled to be completed in Fiscal Year 2015. Construction is scheduled to begin in Fiscal Year 2016 and to be completed in Fiscal Year 2020.

**Summary of Project Changes:** The total project cost decreased by \$580,724 due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 5,417,228	\$ 618,277	\$ 400,000	\$ -	\$ 7,400,000	\$ 25,478,039	\$ 27,281,961	\$ 17,819,276	\$ -	\$ -	\$ 84,414,781
Water Utility Operating Fund	700011	4,495	-	-	-	-	-	-	-	-	-	4,495
<b>Total</b>		<b>\$ 5,421,723</b>	<b>\$ 618,277</b>	<b>\$ 400,000</b>	<b>\$ -</b>	<b>\$ 7,400,000</b>	<b>\$ 25,478,039</b>	<b>\$ 27,281,961</b>	<b>\$ 17,819,276</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 84,419,276</b>

## Public Utilities

### Miramar Contract A Roof System Redesign / S13016

### Bldg - Water - Treatment Plants

<b>Council District:</b> 5	<b>Priority Score:</b> 90
<b>Community Plan:</b> Scripps Miramar Ranch	<b>Priority Category:</b> High
<b>Project Status:</b> Warranty	<b>Contact Information:</b> Garcia, Alex
<b>Duration:</b> 2013 - 2015	619-533-3634
<b>Improv Type:</b> Replacement - Rehab	agarcia@sandiego.gov

**Description:** This project is to replace and/or rehab the leaking roof systems on buildings at the Miramar Water Treatment Plant (WTP) facility.

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

**Justification:** The Miramar WTP is a key facility within the City's water system that supplies nearly 50 percent of the City of San Diego's treated water demand. Leaks from the failing roof systems could result in a water treatment plant shutdown, potentially leaving customers out of water service.

**Schedule:** Planning is complete. Design/build began in Fiscal Year 2013 and was completed in Fiscal Year 2014.

**Operating Budget Impact:** None.

**Summary of Project Changes:** This project is complete and will be closed by the end of the fiscal year.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 47,358	\$ 266,642	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 314,000
<b>Total</b>		<b>\$ 47,358</b>	<b>\$ 266,642</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 314,000</b>

## Public Utilities

### Miramar WTP Upgrade & Expansion / S00024

### Bldg - Water - Treatment Plants

<b>Council District:</b> 5	<b>Priority Score:</b> N/A
<b>Community Plan:</b> Scripps Miramar Ranch	<b>Priority Category:</b> N/A
<b>Project Status:</b> Warranty	<b>Contact Information:</b> Asgharzadeh, Iraj
<b>Duration:</b> 1993 - 2015	619-533-5105
<b>Improv Type:</b> Expansion	iasgharzadeh@sandiego.gov

**Description:** This project provides for upgrades to and expansion of the Miramar Water Treatment Plant, including construction of state-of-the-art filters, rapid mix and de-aeration facilities, chlorine and chemical facilities, four flocculation and sedimentation basins, an ozone structure with generation equipment, site paving, landscaping, and an administration building.

**Justification:** The Safe Drinking Water Act, mandated by the Environmental Protection Agency and the Department of Public Health, dictates the need to upgrade the existing treatment plant. Increasing demands on the plant by the rapidly growing North City area also necessitate its expansion.

**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 1997 and continued through subsequent phases of work. Construction began on the initial phase of work in Fiscal Year 2001. All sub-phases are completed.

**Summary of Project Changes:** This project is complete and will be closed by the end of the fiscal year.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015						Unidentified Funding	Project Total	
					Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY			
Historical Fund	X999	\$ 117,634,094	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 117,634,094
Water Utility - CIP Funding Source	700010	2,779,166	96,050	-	-	-	-	-	-	-	-	-	2,875,215
Water Utility Operating Fund	700011	59,196	-	-	-	-	-	-	-	-	-	-	59,196
<b>Total</b>		<b>\$ 120,472,455</b>	<b>\$ 96,050</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 120,568,505</b>							

## Public Utilities

### Montezuma Trunk Sewer / S00332

### Wastewater - Collection Sys - Trunk Swr

<b>Council District:</b> 7, 9	<b>Priority Score:</b> 90
<b>Community Plan:</b> College Area	<b>Priority Category:</b> Medium
<b>Project Status:</b> Warranty	<b>Contact Information:</b> Spier, Carl
<b>Duration:</b> 2002 - 2015	619-533-5126
<b>Improv Type:</b> Expansion	cspier@sandiego.gov

**Description:** This project provides for the replacement of approximately 6,769 feet of the existing 12-inch and 15-inch trunk sewer with 21-inch pipe.

**Schedule:** Design began in Fiscal Year 2004 with final design completed in Fiscal Year 2011. Construction began in Fiscal Year 2012 and was completed in Fiscal Year 2014.

**Justification:** This trunk sewer will be upgraded with a larger pipe to accommodate future flow capacity.

**Summary of Project Changes:** The total project cost increased by \$100,000 to complete final scopes of work in order to close out the project.

**Operating Budget Impact:** None.

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

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 659,285	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	659,285
Muni Sewer Utility - CIP Funding Source	700008	5,317,223	2,192	100,000	-	-	-	-	-	-	-	5,419,416
Municipal Sewer Revenue Fund	700000	203,394	-	-	-	-	-	-	-	-	-	203,394
<b>Total</b>		<b>\$ 6,179,902</b>	<b>\$ 2,192</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>6,282,094</b>

## Public Utilities

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

**Council District:** 7, 9  
**Community Plan:** College Area, Eastern Area (Mid-City), Navajo  
**Project Status:** Continuing  
**Duration:** 2011 - 2018  
**Improv Type:** Expansion

### Water - Distribution Sys - Distribution

**Priority Score:** 98  
**Priority Category:** High  
**Contact Information:** Asgharzadeh, Iraj  
 619-533-5105  
 iasgharzadeh@sandiego.gov

**Description:** This project will construct a new 66-inch pipeline from the Alvarado Water Treatment Plant Clearwells to the existing 48-inch Mid-City Pipeline, which crosses Highway 8. Approximate pipeline length is 6,505 linear feet.

**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, Navajo, and Eastern Area Community Plans and is in conformance with the City's General Plan.

**Schedule:** Design began in Fiscal Year 2013 and will be completed in Fiscal Year 2016. Construction is scheduled to begin in Fiscal Year 2017 and be completed in Fiscal Year 2018.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 1,917,388	\$ 385,700	\$ 2,000,000	\$ -	\$ 2,481,800	\$ 10,200,000	\$ -	\$ -	\$ -	\$ -	\$ 16,984,888
Water Utility Operating Fund	700011	215,111	1	-	-	-	-	-	-	-	-	215,112
<b>Total</b>		<b>\$ 2,132,499</b>	<b>\$ 385,701</b>	<b>\$ 2,000,000</b>	<b>\$ -</b>	<b>\$ 2,481,800</b>	<b>\$ 10,200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 17,200,000</b>

## Public Utilities

### Morena Reservoir Outlet Tower Upgrade / S00041

### Bldg - Water - Reservoirs/Dams

<b>Council District:</b> Non-city	<b>Priority Score:</b> 90
<b>Community Plan:</b> Non City	<b>Priority Category:</b> High
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Azar, Hossein
<b>Duration:</b> 2001 - 2016	619-533-4102
<b>Improv Type:</b> Betterment	hazar@sandiego.gov

**Description:** This project upgrades the outlet tower to meet seismic requirements, replaces the electrical system and outlet tower piping, interior and exterior valves, and platforms. It will add a 100-foot long, 6-foot wide pedestrian bridge from the dam to the outlet tower and two sluice gates at the emergency spillway.

**Justification:** The aging outlet tower components are in need of replacement for safety and ease of operation. Furthermore, the electrical system needs to be upgraded to meet current standards, provide better control, and provide safety and better accessibility.

**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. This project is in conformance with the City's General Plan.

**Schedule:** Design phase began in Fiscal Year 2012. Construction is scheduled to begin in Fiscal Year 2015 and be completed in Fiscal Year 2016.

**Summary of Project Changes:** The total project cost increased by \$2.5 million due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 322,485	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 322,485
Water Utility - CIP Funding Source	700010	370,442	4,972,396	-	-	2,500,000	-	-	-	-	-	7,842,839
Water Utility Operating Fund	700011	14,676	-	-	-	-	-	-	-	-	-	14,676
<b>Total</b>		<b>\$ 707,604</b>	<b>\$ 4,972,396</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,500,000</b>	<b>\$ -</b>	<b>\$ 8,180,000</b>				

## Public Utilities

### Municipal Fac Control Systems Upgrade / L10001

### Bldg - MWWD - Treatment Plants

<b>Council District:</b> 1, 5	<b>Priority Score:</b> 72
<b>Community Plan:</b> Torrey Pines, Miramar Ranch North	<b>Priority Category:</b> Low
<b>Project Status:</b> Warranty	<b>Contact Information:</b> Azar, Hossein
<b>Duration:</b> 2015 - 2016	619-533-4102
<b>Improv Type:</b> Replacement	hazar@sandiego.gov

**Description:** This project provides for replacement and upgrade of existing control systems at Pump Station 64 and Penasquitos Pump Station.

**Justification:** This project is needed to provide replacement of existing control systems at various facilities. The existing control systems are microprocessor/computer-based. The lifecycle of these systems is seven to 10 years. Replacement will also provide an upgrade in technology. The change in technology will provide the facilities with greater control system capabilities and are essential for future facility expansion.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the Torrey Pines and Miramar Ranch North Plans, and is in conformance with the City's General Plan.

**Schedule:** Design and construction will begin in Fiscal Year 2015 and is scheduled to be completed in Fiscal Year 2016.

**Summary of Project Changes:** This project has been cancelled and will be closed by the end of the fiscal year.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Muni Sewer Utility - CIP Funding Source	700008	\$ -	\$ -	\$ 1,810,000	\$ (1,810,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total</b>		\$ -	\$ -	\$ 1,810,000	\$ (1,810,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0

## Public Utilities

### NCWRP Sludge Pump Station Upgrade / S00309

### Bldg - MWWD - Pump Stations

<b>Council District:</b> 1	<b>Priority Score:</b> 82
<b>Community Plan:</b> University	<b>Priority Category:</b> Medium
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Azar, Hossein
<b>Duration:</b> 2006 - 2015	619-533-4102
<b>Improv Type:</b> Replacement	hazar@sandiego.gov

**Description:** This project provides for the correction of a vibration problem at the North City Water Reclamation Plant (NCWRP) Sludge Pump Station. The project involves the replacement of the existing sludge pump with a smaller more efficient pump. It also includes the addition of 14 combination air release valves. Approximately 34 percent of all Metro Sewer Utility Fund expenditures related to this project are funded by Participating Agencies.

**Justification:** Excessive vibration of the pump and flywheel contribute to wear and tear of equipment. The vibration also generates tremendous heat. The excessive vibration and heat can cause premature failure of equipment, impact operational efficiency, and have structural impacts at the facility.

**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.

**Schedule:** Design began in Fiscal Year 2009 and was completed in Fiscal Year 2014. Construction is scheduled to begin and be completed in Fiscal Year 2015.

**Summary of Project Changes:** The total project cost increased by \$100,000 due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 438	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	438
Metro Sewer Utility - CIP Funding Source	700009	234,731	485,905	100,000	-	-	-	-	-	-	-	820,636
Metropolitan Sewer Utility Fund	700001	136,022	-	-	-	-	-	-	-	-	-	136,022
<b>Total</b>		<b>\$ 371,191</b>	<b>\$ 485,905</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>957,096</b>

## Public Utilities

### North City Reclamation System / AHC00002

<b>Council District:</b> Citywide	<b>Priority Score:</b> Annual
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> Annual
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Hwang, Guann
<b>Duration:</b> 2010 - 2021	858-292-6476
<b>Improv Type:</b> Expansion	ghwang@sandiego.gov

**Description:** This annual allocation provides recycled water to the Northern Service Area extending from Black Mountain Road west, along the I-56 corridor, to Carmel Valley. Portions of the recycled water pipeline expansion have been completed and are bringing service to the Olivenhain Municipal Water District and the communities of Black Mountain Ranch and Santa Luz. Recycled water pipelines are planned in Carmel Valley, Pacific Highlands, Los Penasquitos Canyon, and Camino Del Sur. Projects under this annual allocation are eligible for reimbursement by State Proposition 50 (Integrated Regional Water Management Plan) and Bureau of Reclamation Title 16 Grant funds.

**Justification:** Segments of recycled water pipelines have been constructed by private developers or Caltrans. The City needs to construct the remaining portions to complete the system and start delivering recycled water. The City also needs to expand the distribution system to customers already retrofitted to use recycled water.

**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 change has been made to this project for Fiscal Year 2015.

### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 294,424	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 294,424
Water Utility - CIP Funding Source	700010	2,889,457	787,161	-	-	-	-	-	-	-	-	3,676,618
Water Utility Operating Fund	700011	88,502	-	-	-	-	-	-	-	-	-	88,502
<b>Total</b>		<b>\$ 3,272,383</b>	<b>\$ 787,161</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,059,544</b>

## Public Utilities

### Otay 1st/2nd PPL Abandon E of Highland / S11027

**Council District:** 4, 9  
**Community Plan:** Mid-City: City Heights, Mid-City: Eastern Area  
**Project Status:** Continuing  
**Duration:** 2011 - 2016  
**Improv Type:** Replacement

### Water - Distribution Sys - Transmission

**Priority Score:** 77  
**Priority Category:** Low  
**Contact Information:** Asgharzadeh, Iraj  
 619-533-5105  
 iasgharzadeh@sandiego.gov

**Description:** This project will abandon approximately 13,630 feet of aged 30-inch and 36-inch pipes, identified as Otay 1st and 2nd water transmission pipelines. These pipelines sections will be abandoned from Highland Avenue and Wightman Street east to 54th Street. This project will also install approximately 8,120 feet of new 16-inch distribution mains from a 12-inch line at University Avenue and Winona Avenue to 54th Street and Chollas Station Road.

**Justification:** This project will abandon approximately 13,630 feet of existing Cast Iron Cement Lined, Reinforced Concrete Steel Cylinder and Cement Mortar Lined Coated Steel pipes in accordance with California Department of Public Health's compliance order 04-14-96CO-022. These pipelines, constructed as early as 1915, have reached the end of their lifecycle and have become a liability to the City. In order to provide system redundancy and maintain distribution needs, approximately 8,120 feet of new 16-inch distribution mains will be installed.

**Operating Budget Impact:** None.

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

**Schedule:** Design began in Fiscal Year 2012 and was completed in Fiscal Year 2014. Construction began in Fiscal Year 2014 and will be completed in Fiscal Year 2015.

**Summary of Project Changes:** No significant change has been made to this project in Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 1,728,743	\$ 190,023	\$ 5,258,471	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,177,238
Water Utility Operating Fund	700011	44,483	-	-	-	-	-	-	-	-	-	44,483
<b>Total</b>		<b>\$ 1,773,227</b>	<b>\$ 190,023</b>	<b>\$ 5,258,471</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,221,721</b>

## Public Utilities

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

**Council District:** 3, 9  
**Community Plan:** Greater North Park, Mid-City: City Heights  
**Project Status:** Continuing  
**Duration:** 2012 - 2020  
**Improv Type:** Replacement

### Water - Distribution Sys - Transmission

**Priority Score:** 91  
**Priority Category:** Medium  
**Contact Information:** Asgharzadeh, Iraj  
 619-533-5105  
 iasgharzadeh@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 14,572 linear feet of existing cast iron Otay 2nd Pipeline with a new 42-inch Wightman Street Pipeline, primarily along existing Otay 2nd alignment from Highland Avenue and Polk Avenue to the University Heights Reservoir at Howard Avenue and Idaho Street. The reach on Highland Avenue includes replacement of 1,328 linear feet of the existing cast iron Otay 1st Pipeline. It will also replace 3,242 linear feet of the cast iron Otay 1st Pipeline from Boundary and Polk to the University Heights Reservoir with a 16-inch distribution line.

**Justification:** This project will develop a replacement and/or abandonment plan to remove the existing cast iron segments of pipeline west of Highland Avenue. Cast iron reaches of the Otay 1st and 2nd Pipelines are neither safe nor reliable facilities, and may contribute to poor water quality.

**Operating Budget Impact:** None.

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

**Schedule:** Design is scheduled to begin and be completed in Fiscal Year 2015. Construction is scheduled to begin in Fiscal Year 2016 and be completed in Fiscal Year 2020.

**Summary of Project Changes:** The total project cost decreased by \$393,464 due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015		FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
					Anticipated								
Water Utility - CIP Funding Source	700010	\$ 131,689	\$ 356,362	\$ 925,000	\$ -	\$ 1,300,000	\$ 1,501,949	\$ 8,710,000	\$ 13,010,000	\$ -	\$ -	\$ -	\$ 25,935,000
<b>Total</b>		<b>\$ 131,689</b>	<b>\$ 356,362</b>	<b>\$ 925,000</b>	<b>\$ -</b>	<b>\$ 1,300,000</b>	<b>\$ 1,501,949</b>	<b>\$ 8,710,000</b>	<b>\$ 13,010,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 25,935,000</b>

## Public Utilities

### Otay Second Pipeline Improvements / S00032

<b>Council District:</b> 4, 9	<b>Priority Score:</b> 91
<b>Community Plan:</b> Skyline - Paradise Hills, Southeastern San Diego	<b>Priority Category:</b> Medium
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Hwang, Guann
<b>Duration:</b> 1993 - 2015	858-292-6476
<b>Improv Type:</b> Replacement	ghwang@sandiego.gov

**Description:** This project provides funding to evaluate the condition of existing water pipelines and to make appropriate upgrades and replacements to the pipeline.

**Justification:** This pipeline was originally installed in 1928 and has exceeded its useful life expectancy of 60 years. Breaks in the pipeline have revealed severe pipe corrosion in certain locations, requiring upgrades and replacement.

**Operating Budget Impact:** None.

### Water - Distribution Sys - Transmission

**Relationship to General and Community Plans:** This project is consistent with the Skyline-Paradise Hills and Southeastern San Diego Community Plans and is in conformance with the City's General Plan.

**Schedule:** Engineering studies and design began in Fiscal Year 1999 and were completed in Fiscal Year 2007. Project scheduling is contingent on the assessed condition of the pipeline.

**Summary of Project Changes:** The total project cost decreased by \$15,000 due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 2,499,869	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,499,869
Water Utility - CIP Funding Source	700010	350,259	35,412	-	-	-	-	-	-	-	-	385,671
Water Utility Operating Fund	700011	52,970	(2,736)	-	-	-	-	-	-	-	-	50,234
<b>Total</b>		<b>\$ 2,903,097</b>	<b>\$ 32,676</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,935,773</b>

## Public Utilities

### Otay WTP Upgrade & Expansion / S00030

### Bldg - Water - Treatment Plants

<b>Council District:</b> Non-city	<b>Priority Score:</b> N/A
<b>Community Plan:</b> Non City	<b>Priority Category:</b> N/A
<b>Project Status:</b> Warranty	<b>Contact Information:</b> Asgharzadeh, Iraj
<b>Duration:</b> 1993 - 2015	619-533-5105
<b>Improv Type:</b> Expansion	iasgharzadeh@sandiego.gov

**Description:** This project provides for upgrading the treatment processes at the Otay Water Treatment Plant (Phases 1 and 2) to comply with the Safe Drinking Water Act standards. The Safe Drinking Water Act is a federal act, enforced by the State of California.

**Justification:** New standards required by the Safe Drinking Water Act dictate the need to upgrade the existing water treatment plant standards.

**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. This project is in conformance with the City's General Plan.

**Schedule:** Otay Water Treatment Plant (WTP) Phases 1 and 2 were completed in Fiscal Year 2012. The design/build contract for the Otay WTP Concrete Work project began in Fiscal Year 2013 and was completed in Fiscal Year 2014.

**Summary of Project Changes:** The total project cost increased by \$50,000 due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 17,475,189	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,475,189
Water Utility - CIP Funding Source	700010	2,009,678	119,486	50,000	-	-	-	-	-	-	-	2,179,164
Water Utility Operating Fund	700011	9,185,199	1	-	-	-	-	-	-	-	-	9,185,199
<b>Total</b>		<b>\$ 28,670,065</b>	<b>\$ 119,487</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 28,839,552</b>

## Public Utilities

### PS 84 Upgrade & PS 62 Abandon / S00308

### Bldg - MWWD - Pump Stations

<b>Council District:</b> 1, 5	<b>Priority Score:</b> 86
<b>Community Plan:</b> Rancho Bernardo, Rancho Penasquitos	<b>Priority Category:</b> High
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Azar, Hossein
<b>Duration:</b> 2007 - 2015	619-533-4102
<b>Improv Type:</b> Replacement	hazar@sandiego.gov

**Description:** This project provides for the elimination of Sewer Pump Station 62 through the installation of various pipelines and the upsizing of the existing Sewer Pump Station 84.

**Schedule:** Design began in Fiscal Year 2010 and was completed in Fiscal Year 2012. Construction began in Fiscal Year 2013 and is anticipated to be completed in Fiscal Year 2015.

**Justification:** This project is needed to optimize the sewage system and to eliminate Sewer Pump Station 62.

**Summary of Project Changes:** The total project cost decreased by \$2.4 million due to revised requirements.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the Rancho Bernardo and Rancho Penasquitos 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 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 3,939	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3,939
Muni Sewer Utility - CIP Funding Source	700008	8,150,340	161,214	1,000,000	-	-	-	-	-	-	-	9,311,555
Municipal Sewer Revenue Fund	700000	1,004,906	0	-	-	-	-	-	-	-	-	1,004,906
<b>Total</b>		<b>\$ 9,159,185</b>	<b>\$ 161,215</b>	<b>\$ 1,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>10,320,400</b>

## Public Utilities

### PS Upgrades Group 1 North County / S00303

### Bldg - MWWD - Pump Stations

<b>Council District:</b> Citywide	<b>Priority Score:</b> N/A
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> N/A
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Azar, Hossein
<b>Duration:</b> 2003 - 2015	619-533-4102
<b>Improv Type:</b> Replacement	hazar@sandiego.gov

**Description:** This project provides for the upgrade of 23 pump stations, divided into four groups, located throughout San Diego. The upgrades involve providing new and backup pumps and motors, new control panels, new generators, redundant force mains, underground storage tanks, and miscellaneous civil work.

**Justification:** This project will provide for the upgrading of deteriorated pump stations, improvement of the level of service to the residents of San Diego, and compliance with regulatory agencies by reducing the impact 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:** Group I design began in Fiscal Year 2003 and was completed in Fiscal Year 2009. Construction began in Fiscal Year 2009 and was completed in Fiscal Year 2012. Group II design began in Fiscal Year 2008 and was completed in Fiscal Year 2010. Construction started in Fiscal Year 2011 and will be completed in Fiscal Year 2015. Group III design began in Fiscal Year 2005 and was completed in Fiscal Year 2011. Construction started in Fiscal Year 2012 and will be completed in Fiscal Year 2015. Group IV design was completed in Fiscal Year 2008. Construction began in Fiscal Year 2008 and was completed in Fiscal Year 2009.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015						Unidentified Funding	Project Total	
					Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY			
Historical Fund	X999	\$ 2,744,285	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,744,285
Muni Sewer Utility - CIP Funding Source	700008	7,876,565	459,197	-	-	-	-	-	-	-	-	-	8,335,762
Municipal Sewer Revenue Fund	700000	5,036,780	(1)	-	-	-	-	-	-	-	-	-	5,036,779
<b>Total</b>		<b>\$ 15,657,630</b>	<b>\$ 459,196</b>	<b>\$ -</b>	<b>\$ -</b>	<b>16,116,827</b>							

## Public Utilities

### PS2 Power Reliability & Surge Protection / S00312

<b>Council District:</b> 2	<b>Priority Score:</b> 90
<b>Community Plan:</b> Midway - Pacific Highway	<b>Priority Category:</b> High
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Azar, Hossein
<b>Duration:</b> 2005 - 2018	619-533-4102
<b>Improv Type:</b> Expansion	hazar@sandiego.gov

**Description:** This project will improve the reliability of the Pump Station 2. It will also provide 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. Approximately 34 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 Midway/Pacific Highway Community Plan and is in conformance with the City's General Plan.

**Schedule:** Design began in Fiscal Year 2013 and is scheduled to be completed in Fiscal Year 2015. Construction will begin in Fiscal Year 2015 and is scheduled to be completed in Fiscal Year 2017.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 2,206,649	\$ 959,185	\$ 3,000,000	\$ -	\$ 12,970,000	\$ 12,000,000	\$ -	\$ -	\$ -	\$ -	\$ 31,135,834
Metropolitan Sewer Utility Fund	700001	64,166	-	-	-	-	-	-	-	-	-	64,166
<b>Total</b>		<b>\$ 2,270,815</b>	<b>\$ 959,185</b>	<b>\$ 3,000,000</b>	<b>\$ -</b>	<b>\$ 12,970,000</b>	<b>\$ 12,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 31,200,000</b>

## Public Utilities

### Pacific Beach Pipeline South (W) / S12015

<b>Council District:</b> 2, 6	<b>Priority Score:</b> 85
<b>Community Plan:</b> Pacific Beach, Midway - Pacific Highway, Mission Bay Park	<b>Priority Category:</b> Low
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Gamboa, Wendy
<b>Duration:</b> 2012 - 2019	619-235-1971
<b>Improv Type:</b> Expansion	wgamboa@sandiego.gov

**Description:** Replacement of approximately 7.33 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 replace cast iron pipe, provide supply reliability to Pacific Beach, improve water quality, reduce energy waste at the Miramar County Water Authority Pumpback facility, reduce peaking problems in the Miramar Water Treatment Plant service area, and to provide supply flexibility (Alvarado vs. Miramar).

**Operating Budget Impact:** None.

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

**Schedule:** Design began in Fiscal Year 2014 and is anticipated to be completed in Fiscal Year 2015. Construction is scheduled to begin in Fiscal Year 2016 and be completed in Fiscal Year 2019.

**Summary of Project Changes:** The total project cost decreased by \$355,000 due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 1,367,814	\$ 1,282,186	\$ -	\$ -	\$ 7,900,000	\$ 10,168,000	\$ -	\$ -	\$ -	\$ -	\$ 20,718,000
<b>Total</b>		<b>\$ 1,367,814</b>	<b>\$ 1,282,186</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,900,000</b>	<b>\$ 10,168,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,718,000</b>

## Public Utilities

### Pipeline Rehabilitation / AJA00002

**Council District:** Citywide  
**Community Plan:** Citywide  
**Project Status:** Continuing  
**Duration:** 2010 - 2021  
**Improv Type:** Replacement

### Wastewater - Collection Sys - Main

**Priority Score:** Annual  
**Priority Category:** Annual  
**Contact Information:** Hwang, Guann  
 858-292-6476  
 ghwang@sanidiego.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:** The annual project cost for Fiscal Year 2015 decreased by \$2.5 million due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 32,467	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,467
Muni Sewer Utility - CIP Funding Source	700008	52,589,650	21,075,028	22,500,000	-	20,000,000	20,000,000	20,000,000	20,000,000	-	-	176,164,678
Municipal Sewer Revenue Fund	700000	1,619,498	-	-	-	-	-	-	-	-	-	1,619,498
<b>Total</b>		<b>\$ 54,241,615</b>	<b>\$ 21,075,028</b>	<b>\$ 22,500,000</b>	<b>\$ -</b>	<b>\$ 20,000,000</b>	<b>\$ 20,000,000</b>	<b>\$ 20,000,000</b>	<b>\$ 20,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 177,816,643</b>

## Public Utilities

### Point Loma Grit Processing Improvements / S00315

### Bldg - MWWD - Treatment Plants

<b>Council District:</b> 2	<b>Priority Score:</b> N/A
<b>Community Plan:</b> Peninsula	<b>Priority Category:</b> N/A
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Asgharzadeh, Iraj
<b>Duration:</b> 2001 - 2015	619-533-5105
<b>Improv Type:</b> Replacement	iasgharzadeh@sandiego.gov

**Description:** This project provides for upgrading the existing grit removal process at the Point Loma Wastewater Treatment Plant which includes new grit agitation blowers enclosed in a sound dampening facility and the associated air piping. Approximately 34 percent of all Metro Sewer Utility Fund expenditures related to this project are funded by Participating Agencies.

**Justification:** The Point Loma Wastewater Treatment Plant has six aerated grit removal tanks. The plant is not achieving desirable grit removal because the existing grit processing equipment is unable to extract fine sand or silt. The grit accumulated downstream of the grit tanks reduces the efficiency of processing equipment and minimizes the biosolid treatment in the digesters.

**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 2001 and was completed in Fiscal Year 2012. Construction began in Fiscal Year 2012 and is scheduled to be completed in Fiscal Year 2015.

**Summary of Project Changes:** Total project increased by approximately \$300,000 due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 4,727,067	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,727,067
Metro Sewer Utility - CIP Funding Source	700009	26,971,491	1,024,377	312,044	-	-	-	-	-	-	-	28,307,912
Metropolitan Sewer Utility Fund	700001	1,891,150	-	-	-	-	-	-	-	-	-	1,891,150
<b>Total</b>		<b>\$ 33,589,708</b>	<b>\$ 1,024,377</b>	<b>\$ 312,044</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 34,926,129</b>

## Public Utilities

### Pressure Reduction Facility Upgrades / AKA00002

**Council District:** Citywide  
**Community Plan:** Citywide  
**Project Status:** Continuing  
**Duration:** 2010 - 2021  
**Improv Type:** Replacement

### Water - Distribution Sys - Transmission

**Priority Score:** Annual  
**Priority Category:** Annual  
**Contact Information:** Hwang, Guann  
 858-292-6476  
 ghwang@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:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
<b>Total</b>		\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000

## Public Utilities

### Pump Station 64,65, Penasquitos, E Mission Gorge / ABP00003

### Bldg - MWWD - Pump Stations

<b>Council District:</b> Citywide	<b>Priority Score:</b> Annual
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> Annual
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Hwang, Guann
<b>Duration:</b> 2010 - 2021	858-292-6476
<b>Improv Type:</b> Replacement	ghwang@sandiego.gov

**Description:** This annual allocation provides for the comprehensive upgrades, design modifications, and renovations or replacement of equipment, such as pumps, valves, tanks, controls, and odor control systems at the pump stations.

**Justification:** These improvements will allow the pump stations to run efficiently and increase the reliability of the Municipal 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:** The annual project cost for Fiscal Year 2015 increased by \$3.0 million due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 13,509	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,509
Muni Sewer Utility - CIP Funding Source	700008	3,048,480	543,710	3,000,000	-	-	-	-	-	-	-	6,592,190
Municipal Sewer Revenue Fund	700000	458,400	-	-	-	-	-	-	-	-	-	458,400
<b>Total</b>		<b>\$ 3,520,389</b>	<b>\$ 543,710</b>	<b>\$ 3,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,064,099</b>

## Public Utilities

### Pump Station Restorations / ABP00001

**Council District:** Citywide  
**Community Plan:** Citywide  
**Project Status:** Continuing  
**Duration:** 2010 - 2021  
**Improv Type:** Replacement

### Bldg - MWWD - Pump Stations

**Priority Score:** Annual  
**Priority Category:** Annual  
**Contact Information:** Hwang, Guann  
 858-292-6476  
 ghwang@sandiego.gov

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

**Justification:** Many existing sewer pump stations have reached or exceeded their anticipated service life. However, because of the widely varying actual lengths of service life, the scheduling of pump station restorations is difficult. This project allows flexibility in replacing deteriorated pumping equipment.

**Operating Budget Impact:** None.

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

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

**Summary of Project Changes:** The annual project cost for Fiscal Year 2015 decreased by \$750,000 due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 636,737	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 636,737
Muni Sewer Utility - CIP Funding Source	700008	4,253,862	1,333,501	1,750,000	-	1,386,139	4,531,573	6,891,824	1,063,935	-	-	21,210,834
Municipal Sewer Revenue Fund	700000	329,102	1	-	-	-	-	-	-	-	-	329,102
<b>Total</b>		<b>\$ 5,219,701</b>	<b>\$ 1,333,501</b>	<b>\$ 1,750,000</b>	<b>\$ -</b>	<b>\$ 1,386,139</b>	<b>\$ 4,531,573</b>	<b>\$ 6,891,824</b>	<b>\$ 1,063,935</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 22,176,673</b>

## Public Utilities

### Reclaimed Water Extension / AHC00001

**Council District:** Citywide  
**Community Plan:** Citywide  
**Project Status:** Continuing  
**Duration:** 2010 - 2021  
**Improv Type:** Expansion

### Reclaimed Water System - Pipelines

**Priority Score:** Annual  
**Priority Category:** Annual  
**Contact Information:** Casamassima, Jennifer  
 619-533-7402  
 jcasamassima@sandiego.gov

**Description:** This annual allocation provides for pipeline extensions of the City's Recycled Water Distribution System to serve potential customers adjacent or in close proximity to the existing system.

**Justification:** This project provides recycled water to customers served by the pipeline extensions.

**Operating Budget Impact:** None.

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

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

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ -	\$ 209,125	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 209,125
<b>Total</b>		\$ -	\$ 209,125	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 209,125

## Public Utilities

### Reclaimed Water Retrofit / AHC00003

**Council District:** Citywide  
**Community Plan:** Citywide  
**Project Status:** Continuing  
**Duration:** 2010 - 2021  
**Improv Type:** Expansion

### Reclaimed Water System - Pipelines

**Priority Score:** Annual  
**Priority Category:** Annual  
**Contact Information:** Casamassima, Jennifer  
 619-533-7402  
 jcasamassima@sandiego.gov

**Description:** This annual allocation provides for supplying city facilities with the proper connections and metering for the new reclaimed water distribution system.

**Justification:** The City of San Diego has embarked on an aggressive water reclamation program to provide reclaimed water to large users of potable water for irrigation purposes. This will allow the City to increase its available potable water to serve new potential customers.

**Operating Budget Impact:** None.

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

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

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ -	\$ 250,002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,002
<b>Total</b>		\$ -	\$ 250,002	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,002

## Public Utilities

### Recycled Water System Upgrades / S10010

**Council District:** 1, 5, 6  
**Community Plan:** University, Black Mountain Ranch, Mira Mesa, Scripps Miramar Ranch  
**Project Status:** Continuing  
**Duration:** 2010 - 2015  
**Improv Type:** Replacement - Retrofit

### Reclaimed Water System - Pipelines

**Priority Score:** N/A  
**Priority Category:** N/A  
**Contact Information:** Azar, Hossein  
 619-533-4102  
 hazar@sandiego.gov

**Description:** This project is needed to ensure that spills from the recycled water system flow into the sewer rather than the storm water system. This project would include 15 Pressure Reducing Station vaults to be retrofitted to divert the drainage inside the vault from the storm drain to the sewer system, as required by the Regional Water Quality Control Board.

**Justification:** This project is needed to comply with the latest regulatory requirements of the Regional Water Quality Control Board that recycled water be drained to the sewer system rather than the storm drain system when emergency spills or main breaks occur inside the vaults.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the University, Black Mountain Ranch, Mira Mesa, and Scripps Miramar Ranch 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 2012. Construction began in Fiscal Year 2013 and is scheduled to be completed in Fiscal Year 2015.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 1,889,440	\$ 412,783	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,302,223
Water Utility Operating Fund	700011	47,777	-	-	-	-	-	-	-	-	-	47,777
<b>Total</b>		<b>\$ 1,937,217</b>	<b>\$ 412,783</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,350,000</b>

## Public Utilities

### Recycled Water Systems Upgrades / AHC00004

### Reclaimed Water System - Pipelines

<b>Council District:</b> Citywide	<b>Priority Score:</b> Annual
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> Annual
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Hwang, Guann
<b>Duration:</b> 2010 - 2021	858-292-6476
<b>Improv Type:</b> Expansion	ghwang@sandiego.gov

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

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

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

**Schedule:** Projects are scheduled on a priority basis.

**Operating Budget Impact:** None.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015						Unidentified Funding	Project Total
					Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY		
Water Utility - CIP Funding Source	700010	\$ -	\$ 337,422	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 337,422
<b>Total</b>		<b>\$ -</b>	<b>\$ 337,422</b>	<b>\$ -</b>	<b>\$ 337,422</b>							

## Public Utilities

### Recycled Water Tank Modifications / S12014

**Council District:** 1, 5, 8  
**Community Plan:** Scripps Miramar Ranch, Rancho Penasquitos, Tijuana River Valley  
**Project Status:** Continuing  
**Duration:** 2014 - 2017  
**Improv Type:** Replacement

### Reclaimed Water System - Reservoirs

**Priority Score:** 90  
**Priority Category:** Medium  
**Contact Information:** Azar, Hossein  
 619-533-4102  
 hazar@sandiego.gov

**Description:** This project provides three recycled water tank drain modifications to comply with new regulatory requirements. The tanks being modified are three nine-million gallon tanks (Miramar Recycled Water Tank, Black Mountain Ranch Tank, and South Bay Reclamation Tank).

**Justification:** This project is needed in order to comply with the latest regulatory requirements of the Regional Water Quality Control Board that recycled water be drained to the sewer system rather than the storm drain system.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with Scripps Miramar Ranch, Rancho Penasquitos, and Tijuana River Valley Community Plans and is in conformance with the City's General Plan.

**Schedule:** Design began in Fiscal Year 2014 and is scheduled to be completed in Fiscal Year 2015. Construction is scheduled to begin in Fiscal Year 2016 and be completed in Fiscal Year 2017.

**Summary of Project Changes:** The total project cost increased by \$91,984 due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 40,773	\$ 751,211	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 991,984
<b>Total</b>		<b>\$ 40,773</b>	<b>\$ 751,211</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 991,984</b>

## Public Utilities

### SBWR Plant Demineralization / S00310

### Bldg - MWWD - Treatment Plants

<b>Council District:</b> 8	<b>Priority Score:</b> 77
<b>Community Plan:</b> Tijuana River Valley	<b>Priority Category:</b> Medium
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Asgharzadeh, Iraj
<b>Duration:</b> 2006 - 2015	619-533-5105
<b>Improv Type:</b> Expansion	iasgharzadeh@sandiego.gov

**Description:** This project provides demineralization of reclaimed water using the Electrodialysis Reversal (EDR) process. The project will relocate two trailer mounted EDR units from the North City Water Reclamation Plant to the South Bay Water Reclamation Plant to reduce the Total Dissolved Solids (TDS) in the reclaimed water. Approximately 34 percent of all Metro Sewer Utility Fund expenditures related to this project are funded by Participating Agencies.

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

**Operating Budget Impact:** None.

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

**Schedule:** This design/build contract began in Fiscal Year 2014 and is anticipated to be completed in Fiscal Year 2015.

**Summary of Project Changes:** Total project cost increased by \$2.7 million due to higher bid results.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015						Unidentified Funding	Project Total
					Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY		
Metro Sewer Utility - CIP Funding Source	700009	\$ 2,360,776	\$ 917,958	\$ 2,694,562	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,973,296
Metropolitan Sewer Utility Fund	700001	399	-	-	-	-	-	-	-	-	-	399
<b>Total</b>		<b>\$ 2,361,175</b>	<b>\$ 917,958</b>	<b>\$ 2,694,562</b>	<b>\$ -</b>	<b>\$ 5,973,695</b>						

## Public Utilities

### Scripps Ranch Pump Station / S12019

**Council District:** 5  
**Community Plan:** Scripps Miramar Ranch, Miramar Ranch North  
**Project Status:** Continuing  
**Duration:** 2010 - 2015  
**Improv Type:** Expansion

### Bldg - Water - Pump Stations

**Priority Score:** 80  
**Priority Category:** Medium  
**Contact Information:** Asgharzadeh, Iraj  
 619-533-5105  
 iasgharzadeh@sandiego.gov

**Description:** This project provides for the construction of a new pump station with a total pump station capacity of 17.2 million gallons per day. This pump station will replace the Scripps Miramar pump as the lead pump to the 1020 zone (Scripps Ranch Pump Station).

**Justification:** The existing pump station is past its useful lifespan and has become inefficient and unreliable and lacks adequate fire flow capacity.

**Operating Budget Impact:** None.

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

**Schedule:** Design/Build contract began in Fiscal Year 2012 and is scheduled to be completed in Fiscal Year 2015.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 11,363,723	\$ 1,715,277	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,079,000
<b>Total</b>		<b>\$ 11,363,723</b>	<b>\$ 1,715,277</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 13,079,000</b>

## Public Utilities

### Seismic Upgrades / AKB00004

<b>Council District:</b> Citywide	<b>Priority Score:</b> Annual
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> Annual
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Hwang, Guann
<b>Duration:</b> 2010 - 2021	858-292-6476
<b>Improv Type:</b> Replacement	ghwang@sandiego.gov

**Description:** This annual allocation provides for seismic retrofits and upgrades to existing facilities to protect the water system in case of an earthquake.

**Justification:** Many existing facilities throughout the City have serious structural and seismic deficiencies. This annual allocation provides funding to upgrade these facilities to meet current compliance requirements and guidelines. This project allows City crews the ability to rapidly restore water services to affected areas after a large earthquake.

**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:** The annual project cost for Fiscal Year 2015 increased by \$400,000 due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015		FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
				FY 2015	Anticipated							
Water Utility - CIP Funding Source	700010	\$ -	\$ -	\$ 400,000	\$ -	\$ 420,748	\$ 828,851	\$ 5,884,345	\$ -	\$ -	\$ -	\$ 7,533,944
<b>Total</b>		\$ -	\$ -	\$ 400,000	\$ -	\$ 420,748	\$ 828,851	\$ 5,884,345	\$ -	\$ -	\$ -	\$ 7,533,944

## Public Utilities

### Sewer CIP Emergency Reserve / S00342

### Bldg - MWWD - Treatment Plants

<b>Council District:</b> Citywide	<b>Priority Score:</b> N/A
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> N/A
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Hwang, Guann
<b>Duration:</b> 1993 - 2020	858-292-6476
<b>Improv Type:</b> Replacement	ghwang@sandiego.gov

**Description:** This project acts as an emergency financial reserve for Wastewater Fund capital improvement projects.

**Justification:** This reserve is required to comply with the stipulation from Bond Counsel.

**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, in conformance with Bond Counsel requirements and will be held as a continuing appropriation.

**Summary of Project Changes:** No significant change has been made to this reserve for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ -	\$ 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>\$ 5,000,000</b>

## Public Utilities

### Sewer Main Replacements / AJA00001

<b>Council District:</b> Citywide	<b>Priority Score:</b> Annual
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> Annual
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Hwang, Guann
<b>Duration:</b> 2010 - 2021	858-292-6476
<b>Improv Type:</b> Replacement	ghwang@sandiego.gov

**Description:** This annual allocation provides for the 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.

### Wastewater - Collection Sys - Main

**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:** The annual project cost for Fiscal Year 2015 increased by approximately \$5.4 million.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2016	FY 2017	FY 2018	FY 2019			
Historical Fund	X999	\$ 19,264,784	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,264,784
Muni Sewer Utility - CIP Funding Source	700008	94,761,046	19,430,886	55,367,797	-	50,999,997	40,000,000	40,000,000	40,000,000	-	-	340,559,727
Municipal Sewer Revenue Fund	700000	9,641,855	(2)	-	-	-	-	-	-	-	-	9,641,853
<b>Total</b>		<b>\$ 123,667,685</b>	<b>\$ 19,430,885</b>	<b>\$ 55,367,797</b>	<b>\$ -</b>	<b>\$ 50,999,997</b>	<b>\$ 40,000,000</b>	<b>\$ 40,000,000</b>	<b>\$ 40,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 369,466,364</b>

## Public Utilities

### South Metro Sewer Rehabilitation Ph 3B / S00317

### Bldg - MWWD - Treatment Plants

<b>Council District:</b> 2	<b>Priority Score:</b> 90
<b>Community Plan:</b> Peninsula	<b>Priority Category:</b> High
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Phung, Tung
<b>Duration:</b> 2003 - 2018	858-292-6425
<b>Improv Type:</b> Replacement	tphung@sandiego.gov

**Description:** This project will rehabilitate the remaining 5,000 feet of the 108-inch pipeline from Winship Lane to Pump Station 2. Approximately 34 percent of all Metro Sewer Utility Fund expenditures related to this project are funded by Participating Agencies.

**Justification:** Sections of the South Metro Interceptor have deteriorated significantly due to the corrosive effects of sewer gases over 40 years.

**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 is scheduled to begin in Fiscal Year 2016 and is anticipated to be completed in Fiscal Year 2017. Construction is scheduled to begin in Fiscal Year 2017 and be completed in Fiscal Year 2018.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Metro Sewer Utility - CIP Funding Source	700009	\$ 346	\$ 157,160	\$ -	\$ -	\$ -	\$ 4,200,000	\$ 4,857,451	\$ -	\$ -	\$ -	\$ 9,214,957
<b>Total</b>		<b>\$ 346</b>	<b>\$ 157,160</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,200,000</b>	<b>\$ 4,857,451</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 9,214,957</b>

## Public Utilities

### South Mission Valley Trunk Sewer / S00302

### Wastewater - Collection Sys - Trunk Swr

<b>Council District:</b> 3, 7	<b>Priority Score:</b> N/A
<b>Community Plan:</b> Mission Valley, Old San Diego	<b>Priority Category:</b> N/A
<b>Project Status:</b> Warranty	<b>Contact Information:</b> Gamboa, Wendy
<b>Duration:</b> 2001 - 2015	619-235-1971
<b>Improv Type:</b> Expansion	wgamboa@sandiego.gov

**Description:** This project includes the installation of approximately 3,000 feet of new 36-inch trunk sewer along Interstate 8 between Taylor Street and Hotel Circle Place, and approximately 600 feet of new 24-inch trunk sewer at the Interstate 5/Interstate 8 interchange.

**Justification:** This project will increase the flow capacity of the South Mission Valley Trunk Sewer.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the Mission Valley and Old San Diego Community Plans and is in conformance with the City's General Plan.

**Schedule:** Design began in Fiscal Year 2003 and was completed in Fiscal Year 2008. Construction began in Fiscal Year 2010 and was completed in Fiscal Year 2014.

**Summary of Project Changes:** This project is complete and will be closed by end of the fiscal year.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015						Unidentified Funding	Project Total
					Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY		
Historical Fund	X999	\$ 841,854	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 841,854
Muni Sewer Utility - CIP Funding Source	700008	1,853,530	137,202	-	-	-	-	-	-	-	-	1,990,732
Municipal Sewer Revenue Fund	700000	12,969,352	0	-	-	-	-	-	-	-	-	12,969,352
<b>Total</b>		<b>\$ 15,664,735</b>	<b>\$ 137,202</b>	<b>\$ -</b>	<b>\$ 15,801,938</b>							

## Public Utilities

### Standpipe and Reservoir Rehabilitations / ABL00001

### Bldg - Water - Standpipes

<b>Council District:</b> Citywide	<b>Priority Score:</b> Annual
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> Annual
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Hwang, Guann
<b>Duration:</b> 2010 - 2021	858-292-6476
<b>Improv Type:</b> Replacement	ghwang@sandiego.gov

**Description:** This annual allocation provides for reconstructing standpipes and reservoirs to improve operations and extend their service life.

**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.

**Justification:** Many existing standpipes and reservoirs in the water system have deteriorated to a point where they must be reconstructed or replaced to meet the current Occupational Safety and Health Act and Environmental Protection Agency safety and water quality standards.

**Schedule:** Projects are scheduled on a priority basis.

**Summary of Project Changes:** The annual project cost for Fiscal Year 2015 decreased by \$3.5 million due to revised requirements.

**Operating Budget Impact:** None.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 18,072	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,072
Water Utility - CIP Funding Source	700010	7,510,133	2,174,293	6,637,485	-	6,737,485	244,518	1,072,645	-	-	-	24,376,558
Water Utility Operating Fund	700011	359,116	-	-	-	-	-	-	-	-	-	359,116
<b>Total</b>		<b>\$ 7,887,320</b>	<b>\$ 2,174,293</b>	<b>\$ 6,637,485</b>	<b>\$ -</b>	<b>\$ 6,737,485</b>	<b>\$ 244,518</b>	<b>\$ 1,072,645</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 24,753,746</b>

## Public Utilities

### Tierrasanta (Via Dominique) Pump Station / S12040

<b>Council District:</b> 7	<b>Priority Score:</b> 96
<b>Community Plan:</b> Tierrasanta	<b>Priority Category:</b> High
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Azar, Hossein
<b>Duration:</b> 2010 - 2016	619-533-4102
<b>Improv Type:</b> Expansion	hazar@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 plan is consistent with the Tierrasanta Community Plan and is in conformance with the City's General Plan.

**Schedule:** Design began in Fiscal Year 2013 and is anticipated to be completed in Fiscal Year 2015. Construction will begin in Fiscal Year 2015 and is scheduled to be completed in Fiscal Year 2016.

**Summary of Project Changes:** The total project cost decreased by \$20,000 due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 1,394,001	\$ 620,735	\$ 2,193,264	\$ -	\$ 7,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,208,000
<b>Total</b>		<b>\$ 1,394,001</b>	<b>\$ 620,735</b>	<b>\$ 2,193,264</b>	<b>\$ -</b>	<b>\$ 7,000,000</b>	<b>\$ -</b>	<b>\$ 11,208,000</b>				

## Public Utilities

### University Ave Pipeline Replacement / S11021

### Water - Distribution Sys - Distribution

<b>Council District:</b> 3	<b>Priority Score:</b> 93
<b>Community Plan:</b> Uptown, Greater North Park	<b>Priority Category:</b> Medium
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Asgharzadeh, Iraj
<b>Duration:</b> 2011 - 2017	619-533-5105
<b>Improv Type:</b> Replacement	iasgharzadeh@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 lining or sleeving of freeway crossings, where necessary.

**Justification:** Cast iron reaches of the University Avenue Pipeline are neither safe nor reliable facilities and may contribute to poor water quality. An active approach is recommended because of high risks and consequences of pipe failure. 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.

**Operating Budget Impact:** None.

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

**Schedule:** Design began in Fiscal Year 2012 and is scheduled to be completed in Fiscal Year 2014. Construction is scheduled to begin in Fiscal Year 2015 and be completed in Fiscal Year 2017.

**Summary of Project Changes:** The total project cost increased by \$3.4 million due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 1,952,563	\$ 3,307,430	\$ 2,500,000	\$ -	\$ 7,500,000	\$ 3,309,803	\$ -	\$ -	\$ -	\$ -	\$ 18,569,796
Water Utility Operating Fund	700011	130,204	-	-	-	-	-	-	-	-	-	130,204
<b>Total</b>		<b>\$ 2,082,767</b>	<b>\$ 3,307,430</b>	<b>\$ 2,500,000</b>	<b>\$ -</b>	<b>\$ 7,500,000</b>	<b>\$ 3,309,803</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 18,700,000</b>

## Public Utilities

### Unscheduled Projects / AJA00003

### Wastewater - Collection Sys - Main

<b>Council District:</b> Citywide	<b>Priority Score:</b> Annual
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> Annual
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Hwang, Guann
<b>Duration:</b> 2010 - 2021	858-292-6476
<b>Improv Type:</b> Replacement	ghwang@sandiego.gov

**Description:** This annual allocation provides for repair and replacement of municipal 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 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:** The annual project cost for Fiscal Year 2015 increased by \$2.8 million due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015						Unidentified Funding	Project Total
					Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY		
Historical Fund	X999	\$ 920,931	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 920,931
Muni Sewer Utility - CIP Funding Source	700008	2,447,742	1,810,836	5,000,000	-	-	-	-	-	-	-	9,258,578
Municipal Sewer Revenue Fund	700000	253,708	0	-	-	-	-	-	-	-	-	253,707
<b>Total</b>		<b>\$ 3,622,380</b>	<b>\$ 1,810,835</b>	<b>\$ 5,000,000</b>	<b>\$ -</b>	<b>\$ 10,433,215</b>						

## Public Utilities

### Upas St Pipeline Replacement / S11022

<b>Council District:</b> 2, 3	<b>Priority Score:</b> 93
<b>Community Plan:</b> Uptown, Greater North Park, Midway - Pacific Highway	<b>Priority Category:</b> Medium
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Asgharzadeh, Iraj
<b>Duration:</b> 2011 - 2018	619-533-5105
<b>Improv Type:</b> Replacement	iasgharzadeh@sandiego.gov

**Description:** This project replaces 21,000 linear feet of existing cast iron Upas Street Pipeline with a new 16-inch and 30-inch line from 30th and Upas to Upas and Front Street. It will abandon 2,546 linear feet of existing cast iron Upas Street Pipeline from Upas and Front to West Upas and Ibis Street and replace 250 linear feet of cast iron Upas Street Pipeline with a new 8-inch line from West Upas and Ibis to West Upas and Jackdaw Street. It will also abandon 1,902 linear feet of Upas Street Pipeline from West Upas and Jackdaw to the west side of California Street and replace 249 linear feet of cast iron Upas Street Pipeline with new 16-inch lines from the Pacific Beach Pipeline west of California Street to the 12-inch connection west of Pacific Highway.

**Justification:** This project is needed because the cast iron reaches of the Upas Street Pipeline, and associated Pressure Regulating Stations, are neither safe nor reliable facilities, and may contribute to poor water quality. An active approach is recommended because of high risks and consequences of pipe failure. The Upas Street Pipeline was built in 1940. The replacement of cast iron pipes is mandated by the California Department of Public Health's (CDPH) Compliance Order.

### Water - Distribution Sys - Distribution

**Operating Budget Impact:** None.

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

**Schedule:** Design began in Fiscal Year 2012 and was completed in Fiscal Year 2014. Construction began in Fiscal Year 2014 and will be completed in Fiscal Year 2018.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 7,111,217	\$ 872,006	\$ 5,000,000	\$ -	\$ 5,600,000	\$ 1,500,000	\$ -	\$ -	\$ -	\$ -	\$ 20,083,223
Water Utility Operating Fund	700011	113,103	-	-	-	-	-	-	-	-	-	113,103
<b>Total</b>		<b>\$ 7,224,320</b>	<b>\$ 872,006</b>	<b>\$ 5,000,000</b>	<b>\$ -</b>	<b>\$ 5,600,000</b>	<b>\$ 1,500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,196,326</b>

## Public Utilities

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

<b>Council District:</b> 2	<b>Priority Score:</b> 90
<b>Community Plan:</b> Pacific Beach	<b>Priority Category:</b> Medium
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Spier, Carl
<b>Duration:</b> 2013 - 2018	619-533-5126
<b>Improv Type:</b> Expansion	cspier@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 consisting of three, 184 linear feet of asbestos concrete (AC) 6-inch, 8-inch, 10-inch and 16-inch pipes, 27,514 linear feet of cast iron (CI) 8-inch, 10-inch and 16-inch pipes; and 181 linear feet of polyvinyl chloride (PVC) 12-inch pipe.

**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 04-14-96CO-022. This project is intended to reduce maintenance and improve service.

**Operating Budget Impact:** None.

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

**Schedule:** Planning began in Fiscal Year 2012 and was completed in Fiscal Year 2013. Design began in Fiscal Year 2013 and is anticipated to be completed in Fiscal Year 2016. Construction is scheduled to begin in Fiscal Year 2016 and be completed in Fiscal Year 2018.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 171,385	\$ 978,615	\$ 2,000,000	\$ -	\$ 6,455,363	\$ 1,150,000	\$ -	\$ -	\$ -	\$ -	\$ 10,755,363
<b>Total</b>		<b>\$ 171,385</b>	<b>\$ 978,615</b>	<b>\$ 2,000,000</b>	<b>\$ -</b>	<b>\$ 6,455,363</b>	<b>\$ 1,150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,755,363</b>

## Public Utilities

### Water CIP Emergency Reserve / S00048

<b>Council District:</b> Citywide	<b>Priority Score:</b> N/A
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> N/A
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Hwang, Guann
<b>Duration:</b> 1999 - 2020	858-292-6476
<b>Improv Type:</b> Replacement	ghwang@sandiego.gov

**Description:** This project provides for an emergency financial reserve for Water Fund capital improvement projects.

**Justification:** This reserve is required to comply with the stipulation in the Bond Counsel.

**Operating Budget Impact:** None.

### Water - Distribution Sys - Transmission

**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, in conformance with Bond Counsel requirements. This reserve will be held as a continuing appropriation.

**Summary of Project Changes:** No significant change has been made to this reserve for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015					Future FY	Unidentified Funding	Project Total
					Anticipated	FY 2016	FY 2017	FY 2018	FY 2019			
Water Utility - CIP Funding Source	700010	\$ -	\$ 5,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000,000
<b>Total</b>		\$ -	\$ 5,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000,000

## Public Utilities

### Water Department Security Upgrades / S00050

### Bldg - Operations Facility / Structures

<b>Council District:</b> Citywide	<b>Priority Score:</b> N/A
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> N/A
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Azar, Hossein
<b>Duration:</b> 2001 - 2015	619-533-4102
<b>Improv Type:</b> Betterment	hazar@sandiego.gov

**Description:** This project provides for the design and installation of miscellaneous security systems at various facilities.

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

**Justification:** This project provides for the deterrence, detection, and apprehension of unauthorized personnel, in order to maintain a safe and secure water system.

**Schedule:** Implementation began in Fiscal Year 2001 and will continue through Fiscal Year 2015.

**Operating Budget Impact:** None.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 4,483,042	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,483,042
Water Utility - CIP Funding Source	700010	6,921,852	3,501,103	-	-	-	-	-	-	-	-	10,422,955
Water Utility Operating Fund	700011	337,962	0	-	-	-	-	-	-	-	-	337,962
<b>Total</b>		<b>\$ 11,742,856</b>	<b>\$ 3,501,103</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>15,243,959</b>

## Public Utilities

### Water Group 787 / S11108

### Water - Distribution Sys - Distribution

<b>Council District:</b> 9	<b>Priority Score:</b> 38
<b>Community Plan:</b> Mid-City: City Heights, Mid-City: Kensington — Talmadge, Mid-City: Eastern Area	<b>Priority Category:</b> Low
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Spier, Carl
<b>Duration:</b> 2011 - 2015	619-533-5126
<b>Improv Type:</b> Replacement	cspier@sandiego.gov

**Description:** This project provides for the removal and replacement of 26,732 linear feet (5.3 miles) of 6-inch, 8-inch, 12-inch and 16-inch of cast iron mains (CI) and 1029 linear feet of asbestos concrete (AC) pipes in the 6-inch and 8-inch diameter range in the Mid-City areas of City Heights, Kensington-Talmadge and the Eastern Area communities. All of these mains are being replaced with polyvinyl chloride (PVC) pipelines.

**Justification:** Water mains require replacement due to their deteriorated condition or size limitation. The existing cast iron system 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 the Mid-City City Heights, Kensington-Talmadge, and Eastern Area Community Plans and is in conformance with the City's General Plan.

**Schedule:** Design began in Fiscal Year 2008 and was completed in Fiscal Year 2011. Construction began in Fiscal Year 2012 and is scheduled to be completed in Fiscal Year 2015.

**Summary of Project Changes:** The total project cost increased by \$250,000 due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 6,702,936	\$ 500,363	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,203,299
Water Utility Operating Fund	700011	782,826	-	-	-	-	-	-	-	-	-	782,826
<b>Total</b>		<b>\$ 7,485,762</b>	<b>\$ 500,363</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,986,125</b>

## Public Utilities

### Water Group Job 915 (3012) / S10123

### Water - Distribution Sys - Distribution

<b>Council District:</b> 2	<b>Priority Score:</b> N/A
<b>Community Plan:</b> Pacific Beach	<b>Priority Category:</b> N/A
<b>Project Status:</b> Warranty	<b>Contact Information:</b> Schaar, Luis
<b>Duration:</b> 2010 - 2015	619-533-7492
<b>Improv Type:</b> Replacement	lschaar@sandiego.gov

**Description:** This project is in the Pacific Beach Community and consists of replacement of 42,020 linear feet (7.96 miles) of 8-inch and 12-inch water mains and all other work and appurtenances. It also includes installation of curb ramps and street resurfacing.

**Justification:** Water mains require replacement due to their deteriorated condition or size limitation. The existing cast-iron system 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 the Pacific Beach Community Plan and is in conformance with the City's General Plan.

**Schedule:** The planning phase began in Fiscal Year 2008. Construction began in Fiscal Year 2010 and was completed in Fiscal Year 2014.

**Summary of Project Changes:** This project is complete and will be closed by the end of the fiscal year.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015						Unidentified Funding	Project Total
					Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY		
Water Utility - CIP Funding Source	700010	\$ 8,775,661	\$ 1,202,297	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,977,958
Water Utility Operating Fund	700011	6,027,163	0	-	-	-	-	-	-	-	-	6,027,163
<b>Total</b>		<b>\$ 14,802,824</b>	<b>\$ 1,202,297</b>	<b>\$ -</b>	<b>\$ 16,005,121</b>							

## Public Utilities

### Water Main Replacements / AKB00003

<b>Council District:</b> Citywide	<b>Priority Score:</b> Annual
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> Annual
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Hwang, Guann
<b>Duration:</b> 2010 - 2021	858-292-6476
<b>Improv Type:</b> Replacement	ghwang@sandiego.gov

### Water - Distribution Sys - Distribution

**Description:** This annual allocation allows for the 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 are scheduled on a priority basis.

**Summary of Project Changes:** The annual project cost for Fiscal Year 2015 has decreased by \$3.8 million due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 4,446,765	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,446,765
Water Utility - CIP Funding Source	700010	123,063,925	20,337,516	41,172,755	-	80,000,000	80,000,000	80,000,000	80,000,000	-	-	504,574,196
Water Utility Operating Fund	700011	10,120,127	143,577	-	-	-	-	-	-	-	-	10,263,705
<b>Total</b>		<b>\$ 137,630,817</b>	<b>\$ 20,481,093</b>	<b>\$ 41,172,755</b>	<b>\$ -</b>	<b>\$ 80,000,000</b>	<b>\$ 80,000,000</b>	<b>\$ 80,000,000</b>	<b>\$ 80,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 519,284,665</b>

## Public Utilities

### Water Pump Station Restoration / ABJ00001

### Bldg - Water - Pump Stations

<b>Council District:</b> Citywide	<b>Priority Score:</b> Annual
<b>Community Plan:</b> Citywide	<b>Priority Category:</b> Annual
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Hwang, Guann
<b>Duration:</b> 2010 - 2021	858-292-6476
<b>Improv Type:</b> Replacement	ghwang@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:** The annual project cost for Fiscal Year 2015 increased by \$32,233 due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Water Utility - CIP Funding Source	700010	\$ 960,851	\$ 5,337,209	\$ 4,660,427	\$ -	\$ 7,876,382	\$ 12,401,068	\$ 1,078,873	\$ 100,000	\$ -	\$ -	\$ 32,414,810
Water Utility Operating Fund	700011	37,509	-	-	-	-	-	-	-	-	-	37,509
<b>Total</b>		<b>\$ 998,360</b>	<b>\$ 5,337,209</b>	<b>\$ 4,660,427</b>	<b>\$ -</b>	<b>\$ 7,876,382</b>	<b>\$ 12,401,068</b>	<b>\$ 1,078,873</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 32,452,319</b>

## Public Utilities

### Water Treatment Plants / ABI00001

**Council District:** 5, 7  
**Community Plan:** Scripps Miramar Ranch, Navajo, Non-City  
**Project Status:** Continuing  
**Duration:** 2013 - 2021  
**Improv Type:** New

### Bldg - Water - Treatment Plants

**Priority Score:** Annual  
**Priority Category:** Annual  
**Contact Information:** Hwang, Guann  
 858-292-6476  
 ghwang@sanidiego.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 with 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:** The annual project cost for Fiscal Year 2015 increased by \$2.0 million due to revised requirements.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015		FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
					Anticipated								
Water Utility - CIP Funding Source	700010	\$ 143,170	\$ 656,830	\$ 2,054,000	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ 3,254,000
<b>Total</b>		<b>\$ 143,170</b>	<b>\$ 656,830</b>	<b>\$ 2,054,000</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,254,000</b>				

## Public Utilities

### Wet Weather Storage Facility / S00314

### Bldg - MWWD - Administration Struct

<b>Council District:</b> 1, 2, 6	<b>Priority Score:</b> 83
<b>Community Plan:</b> University, Clairemont Mesa, Mission Bay Park, Peninsula	<b>Priority Category:</b> Medium
<b>Project Status:</b> Continuing	<b>Contact Information:</b> Llagas, Margaret
<b>Duration:</b> 1999 - 2017	858-654-4494
<b>Improv Type:</b> Expansion	mllagas@saniego.gov

**Description:** This project includes the implementation of the Emergency Live Stream Discharge of reclaimed water from the North City Reclamation Plant during heavy rain events to reduce the capacity demand on the downstream sewer system and facilities. Approximately 34 percent of all Metro Sewer Utility Fund expenditures related to this project are funded by Participating Agencies.

**Justification:** The facility will reduce the risk of potential wet weather overflows, which may be caused by the capacity limitation of Pump Station 2 during extreme rainfall events.

**Operating Budget Impact:** None.

**Relationship to General and Community Plans:** This project is consistent with the Peninsula, University, and Clairemont Mesa Community Plans, and Mission Bay Park Master Plan and is in conformance with the City's General Plan.

**Schedule:** A feasibility study for wet weather intermittent stream discharge was completed in Fiscal Year 2012. Construction of the facilities required for the wet weather intermittent stream discharge is scheduled to begin in Fiscal Year 2016 and be completed in Fiscal Year 2017.

**Summary of Project Changes:** No significant change has been made to this project for Fiscal Year 2015.

#### Expenditure by Funding Source

Fund Name	Fund No	Exp/Enc	Con Appn	FY 2015	FY 2015 Anticipated	FY 2016	FY 2017	FY 2018	FY 2019	Future FY	Unidentified Funding	Project Total
Historical Fund	X999	\$ 1,853,216	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,853,216
Metro Sewer Utility - CIP Funding Source	700009	135,912	622,746	-	-	2,780,501	1,500,000	-	-	-	-	5,039,159
Metropolitan Sewer Utility Fund	700001	379,752	-	-	-	-	-	-	-	-	-	379,752
<b>Total</b>		<b>\$ 2,368,880</b>	<b>\$ 622,746</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,780,501</b>	<b>\$ 1,500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,272,127</b>



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