

CAPITAL IMPROVEMENT PROGRAM - Project Cost Listing

WATER

Project Name and Description	Fund Source	Fund	Project No.	Estimated Completion Date	Prior Expenses Up to 10 Yrs.	Encumbrances	Continuing Appropriations	Prior Funding Subtotal	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	Future Years	Total Project Cost
<u>2012 WATER REVENUE BOND PROJECT</u>															
2012 Water Revenue Refunding Bonds Cost of Issuance	WTR RV	453	7376	Ongoing	\$ 220,500		\$ 119,254	\$ 339,754							\$ 339,754
2012 Water Revenue Bond Project					\$ 220,500	\$ -	\$ 119,254	\$ 339,754	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 339,754
<u>WATER CAPACITY FUND</u>															
Cota Ponds - Expansion/Modification Pump, injection wells, treatment facilities, and retrofit of basins.	WTR CAP	507	6015	June 2016					\$ 2,200,000	\$ 2,500,000					\$ 4,700,000
Home Gardens Water District (HGWD) Well Collection Construct approximately 12,000 feet of ductile iron pipe from the well to Quarry Street.	WTR CAP	507	6842	Ongoing	47,206		1,952,794	2,000,000							2,000,000
Duncan Avenue Waterline Construct 470' pipeline of 8" ductile iron pipe.	WTR CAP	507	6848	June 2014	93,720		81,280	175,000							175,000
Water Capacity Fund Subtotal					\$ 140,926	\$ -	\$ 2,034,074	\$ 2,175,000	\$ -	\$ 2,200,000	\$ 2,500,000	\$ -	\$ -	\$ -	\$ 6,875,000
<u>RECLAIMED WATER SYSTEM FUND</u>															
Stagecoach Park Reclaimed Waterline Install 12-inch diameter pipeline to receive Norco reclaimed water.	REC WTR	567	6559	June 2014	\$ 184,924	\$ 6,286	\$ 2,834,509	\$ 3,025,719							\$ 3,025,719
Butterfield Park Reclaimed Waterline Connect 5600 feet of 12" pipe to an existing pipeline at the intersection of Stagecoach Road and Corydon Street, continue southwest along Corydon to connect to an existing 12" reclaimed waterline in Butterfield Drive to feed Butterfield Park.	REC WTR	567	6561	June 2014	285,205	47,525	3,667,270	4,000,000							4,000,000
Reclaimed Water System Fund Subtotal					\$ 470,129	\$ 53,811	\$ 6,501,779	\$ 7,025,719	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,025,719

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WATER UTILITY FUND															
Sampson Flow Control Valve Automation Design and construct an automated bypass valve around existing Corp Circle butterfly valve, improving Supervisory Control and Data Acquisition (SCADA).	WTR UTIL	570	6017	June 2014	\$ 91,014		\$ 389,186	\$ 480,200							\$ 480,200
Desalter Interstage Boosters/Brine Recovery Design and install interstage booster systems on Trains 1 through 4 or utilize Brine Recovery technology.	WTR UTIL	570	6018	June 2015						465,000					465,000
Well 26 to Desalter Pipeline Connect existing well discharge line to the Desalter feed line.	WTR UTIL	570	6022	June 2014	67,343		132,657	200,000							200,000
Waterline Replacement - Smith Replace 2,100 feet of 10" ACP with 12" PVC, ten water services, 15 fire services and 3 "T" connectors.	WTR UTIL	570	6282	June 2014	102,984	3,315	591,394	697,693							697,693
SR-91 DWP Facility Relocations Agreement with RCTC for the relocation and replacement of certain water facilities adjacent to and crossing the 91 freeway, including the relocation of Well 24.	WTR UTIL	570	6284	Ongoing	66,059		333,941	400,000						3,000,000	3,400,000
Lee Lake Service Boundary Adjustment In conjunction with the Lee Lake Water District, installation of tie overs which will remove service from the Corona service line for the service boundary areas along Temescal Canyon Road near Weirick Avenue and connect to the Lee Lake Service. In addition, construct an interconnection between the two services to provide redundancy in case of an emergency.	WTR UTIL	570	6563	June 2014	24,203		150,797	175,000							175,000
Ontario Avenue: Lincoln to Buena Vista Zone 4 Waterline Replacement Upsize approximately 1300 linear feet of existing waterline to 12" to improve fire flow capacity and enhance system pressure.	WTR UTIL	570	6567	Ongoing	1,098,435		51,565	1,150,000							1,150,000
Small Waterline Replacement Small Waterline repairs throughout system as pipe reaches service life. Master Plan Project P-15.	WTR UTIL	570	6573	Ongoing	2,780		2,063,820	2,066,600	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	36,380,000	45,946,600
Repair Concrete/ Steel Reservoirs Earthquake venting/retrofitting to 8 existing reservoirs. Master Plan Project R-10.	WTR UTIL	570	6590	June 2014	3,952		796,048	800,000							800,000

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<u>WATER UTILITY FUND, Continued</u>															
<u>Waterline Replacement - 900 Block W. Ninth Street</u> Install 755 feet of 8" waterline in W. Ninth Street from Merrill to Belle. Install 3 hydrants and tie in 20 waterlines in alley. Water Master Plan Project P-26.	WTR UTIL	570	6608	June 2014	575	307,725	46,700	355,000	150,000						505,000
<u>Waterline Replacement-Ninth Street, east of Main Street to East Grand Boulevard</u> Install approximately 2,112 linear feet of 8" waterline. Abandon existing pre-1925 4" steel waterline. Replace 15 service lines. Water Master Plan Project P-24.	WTR UTIL	570	6611	June 2014	55,187	102,510	642,303	800,000							800,000
<u>Replacement of Reservoir Control Valve</u> Replacement and modification to the altitude control valves at Garretson, Mangular, Gilbert, Hayden, and Cresta Verde reservoirs. Modifications to inlet/outlet piping at Green River, Avenida Del Vista and Hayden to correct problems created by a common inlet/outlet setup. Water Master Plan Project R-8.	WTR UTIL	570	6647	Ongoing	37,602			37,602						210,000	247,602
<u>Pressure Reducing Station - Hummingbird to Pine Crest Sub Zone</u> Install new pressure reducing station on or near Ontario Avenue to Zone 3, add a check valve at Pine Crest to serve as redundancy for fire service to serve area between Ontario and Pine Crest on Paseo	WTR UTIL	570	6699	June 2014	501,246	5,913	54,641	561,800							561,800
<u>Ontario Zone 4 - Buena Vista to Taylor</u> Upsize existing waterline to 12".	WTR UTIL	570	6704	Ongoing	1,593		1,038,407	1,040,000							1,040,000
<u>Bedford Canyon Flow Station</u> Raise station above ground.	WTR UTIL	570	6799	Ongoing			50,000	50,000							50,000
<u>Lester Inlet Valve Relocation</u> Relocate valve onto property into an open vault with staircase powered by plant generation.	WTR UTIL	570	6817	Ongoing	7,561		42,439	50,000	350,000						400,000
<u>Lester Post Disinfection Station</u> Relocate post disinfection injection point onto 30" filter effluent line between filters and Contact Chlorine Basin. Also install two injectors.	WTR UTIL	570	6818	Ongoing	11,771		188,229	200,000							200,000
<u>Mills Flow Station at Lester</u> Raise station above ground.	WTR UTIL	570	6823	Ongoing	1,156		98,844	100,000							100,000
<u>Ontario Zone 4 - Kellogg to Fullerton</u> Install a new 12" waterline.	WTR UTIL	570	6824	Ongoing			960,000	960,000							960,000

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<u>WATER UTILITY FUND, Continued</u>															
<u>Repipe Well 14</u> Repipe Well 14's discharge piping and raise pump base.	WTR UTIL	570	6826	June 2014	13,626		36,374	50,000							50,000
<u>Repipe Well 15</u> Repipe Well 15's discharge piping and raise pump base.	WTR UTIL	570	6827	June 2014	11,332		38,668	50,000							50,000
<u>Replace Well 22</u> Repipe Well 22's discharge piping and relocate common well valve inside the building.	WTR UTIL	570	6828	June 2014			75,000	75,000							75,000
<u>Zone 4 Waterline Connection</u> Connect Zone 4 pipeline north of Cajalco.	WTR UTIL	570	6829	June 2014			30,000	30,000							30,000
<u>Cathodic Protection on Desalter Wells/Pipeline</u> Install cathodic protection on Desalter wells/pipeline.	WTR UTIL	570	6836	Ongoing			200,000	200,000							200,000
<u>Corona Airport Waterline</u> Construct 700 feet of 8 inch ductile iron waterline from Jenks Circle to Butterfield Drive.	WTR UTIL	570	6839	Ongoing	61,415		288,585	350,000							350,000
<u>Home Gardens Water District Well Interconnection Project</u> Construction of a metering facility to allow the City to begin serving the Home Garden's Water District (HGWD) potable water.	WTR UTIL	570	6841	Ongoing	34,061		315,939	350,000							350,000
<u>Masters Drive Reservoir</u> Construction of a potable water reservoir at the Eagle Glen Golf Course.	WTR UTIL	570	6852	Ongoing	15,967		84,033	100,000							100,000
<u>Hidden Springs Road Waterline</u> Install 3,600 linear feet of 16" ductile iron potable water pipeline.	WTR UTIL	570	6857	Ongoing			1,600,000	1,600,000							1,600,000
<u>Kellogg Waterline</u> Install 12" waterline from Ontario to Magnolia to improve fire protection and domestic flows.	WTR UTIL	570	6861	Ongoing			100,000	100,000							100,000
<u>Advanced Metering Project (AMI)</u> Install approximately 5,560 automated meters, two collectors and related computer software.	WTR UTIL	570	6865	June 2014					2,300,000						2,300,000
<u>Pressure Reducing Station - Stanislaus</u> New pressure reducing station at Stanislaus Drive and Wasatch Drive. Master Plan Project V-1.	WTR UTIL	570	6867	June 2014					150,000						150,000

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<u>WATER UTILITY FUND, Continued</u>															
<u>Well Rehabilitation</u> Rehabilitate Well 14 located on Tenth Street between Border and Lincoln. Also, Well 15 on Lincoln near the 91 Freeway.	WTR UTIL	570	6868	June 2014					300,000						300,000
<u>Waterline Replacement - Sixth Street</u> Install 910 feet of 12" water line from Sherman, west to 1401 Sixth Street. Tie in 10 services, abandon existing 2" water line, add four hydrants.	WTR UTIL	570	8021	June 2014	9,750		250,000	259,750							259,750
<u>Desalter Chemical Feed System</u> Install a polyphosphate and Y2K chemical system. Water Master Plan Project S-4. Design and install 2,500 gallon antiscalent chemical tank in containment. Design and install 2,500 gallon polyphosphate chemical storage tank in containment. Also install chemical feed system in containment.	WTR UTIL	570	8431	June 2014	77,634		320,670	398,304							398,304
<u>Waterline Replacement - Gunnison</u> Waterline replacement and upsizing. Upsize 750 feet of 8" waterline to 12" to maintain pressure on Gunnison. Water Master Plan Project P-7.	WTR UTIL	570	8434	Ongoing										180,000	180,000
<u>Waterline Replacement - Merrill</u> Replace 2" water line with 810 feet of 12" water line, 3 fire hydrants and 20 services between West Grand and Railroad. Plan Project P-19 and P-32.	WTR UTIL	570	8439	June 2015	7,020			7,020	250,000						257,020
<u>Sixth Street Waterline Replacement - Grand to Rimpau</u> Replace 2,200 LF of pipe from Grand to Rimpau due to service life. Master Plan Project P-31.	WTR UTIL	570		Ongoing										300,000	300,000
<u>Waterline Replacement - Avenida del Vista</u> Replace pipe at Avenida del Vista due to service life: Upsize 1800 LF of 12" and 200 LF of 8". Master Plan Project P-29.	WTR UTIL	570		Ongoing							360,000				360,000
<u>Waterline Replacement - Howard Street</u> Construct 1,713 feet of 8" PVC in Howard Street from Second Street to Seventh Street replacing waterline in alleys and provide new services. Water Master Plan Project P-20.	WTR UTIL	570		Ongoing										2,100,000	2,100,000

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WATER UTILITY FUND, Continued															
Waterline Replacement - Kendall Install 1700 feet of 8' waterline, 12 fire hydrants, and tie in 30 services from alley on West Kendall from Taylor to Main Street.	WTR UTIL	570		Ongoing										350,000	350,000
Waterline Replacement - Oakland Hills and Cypress Point Replace 1,680 feet of 8" waterline, 28 water services, and seven fire hydrants. Water Master Plan Project P-28.	WTR UTIL	570		Ongoing								450,000			450,000
Water Utility Fund Subtotal					\$ 2,304,266	\$ 419,463	\$ 10,970,240	\$ 13,693,969	\$ 4,750,000	\$ 2,215,000	\$ 1,500,000	\$ 2,310,000	\$ 1,500,000	\$ 42,520,000	\$ 68,488,969
MULTI-FUND PROJECTS															
Temescal Basin Channel Aquifer Monitoring Wells Exploratory test and well monitoring study will be conducted to better define the boundaries of the Temescal Basin Aquifer in order to identify potential locations for new wells.	WTR CAP WTR UTIL	507 570	6028 6028	June 2014	\$ 351,517 340,097	\$ 15,914 42,858	\$ 42,569 27,045	\$ 410,000 410,000							\$ 410,000 410,000
Reclaimed Water Backbone System To design/construct the citywide recycled water backbone system. \$29.94M is a State Revolving Loan and \$5M is funded by a Water Recycling Grant. Water Master Plan Project S-14.	WR CAP REC WTR WR UTIL	440 567 572	6540 6540 6540	June 2014	1,142,730 40,354,071 2,902,494		660,693	1,142,730 41,014,764 2,902,494							1,142,730 41,014,764 2,902,494
Mangular Blending Facility Install new blending facility.	WTR RV WTR UTIL	453 570	6589 6589	June 2014	440,331 206,259	121,155	3,332,154	3,893,640 206,259	3,000,000						6,893,640 206,259
New Reservoir R-3 The design and construction of new Master Plan Reservoirs R-3.	WTR RV WTR CAP WTR UTIL	453 507 570	6645 6645 6645	Ongoing	689,437 232,692 28,930	3,299,017	615,924	4,604,378 232,692 28,930							4,604,378 232,692 28,930
Well Improvement Project Design and construct treatment facilities using the Strong Base Anion-ion Exchange method to handle both nitrate and perchlorate water issues at Wells 11A, 12A and Home Gardens well water.	WTR CAP WTR UTIL	507 570	6851 6851	Ongoing	12,748 26,939		137,252	150,000 347,300							150,000 347,300
Enterprise Asset Management (EAM) Program Asset Management Program for all DWP facilities.	WTR UTIL WR UTIL ELEC	570 572 578	6866 6866 6866	June 2014					2,100,000 1,050,000 350,000						2,100,000 1,050,000 350,000
Multi-Fund Projects Subtotal					\$ 46,728,245	\$ 3,478,944	\$ 5,135,998	\$ 55,343,187	\$ 6,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 61,843,187
TOTAL WATER FACILITIES					\$ 49,864,066	\$ 3,952,218	\$ 24,761,345	\$ 78,577,629	\$ 11,250,000	\$ 4,415,000	\$ 4,000,000	\$ 2,310,000	\$ 1,500,000	\$ 42,520,000	\$ 144,572,629