

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 2012-13	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	Future Years	Total Project Cost
WATER CAPACITY FUND															
Cota Ponds - Expansion/Modification Pump, injection wells, treatment facilities, and retrofit of basins.	WTR CAP	507	6015	June 2013			\$ 400,000	\$ 400,000		\$ 2,200,000	\$ 2,500,000				\$ 5,100,000
Trilogy Basins Retrofit Retrofit of basins for collection of groundwater recharge.	WTR CAP	507	6016	June 2013	50,282		74,718	125,000							125,000
Arlington Desalter Interconnection Connection of a portion of the Corona water system with a portion of Western Municipal Water District's water system to allow both agencies to supply water to one another during times of need.	WTR CAP	507	6362	June 2013	106,949		1,345,051	1,452,000							1,452,000
Water Capacity Fund Subtotal					\$ 157,231	\$ -	\$ 1,819,769	\$ 1,977,000	\$ -	\$ 2,200,000	\$ 2,500,000	\$ -	\$ -	\$ -	\$ 6,677,000
RECLAIMED WATER SYSTEM FUND															
City Park Reclaimed Waterline Project will bring reclaimed water from Water Reclamation Facility #2 along the Riverside County Flood Control Channel to Quarry Street to serve City Park.	REC WTR	567	6272	June 2013	\$ 160,718	\$ 41,390	\$ 932,892	\$ 1,135,000	\$ 1,100,000						\$ 2,235,000
Masters Reclaimed Waterline Construct a 12" reclaimed waterline on California from Foothill to Masters and then continuing on Masters to Eagle Glen Parkway.	REC WTR	567	6283	June 2013	286,212	2,181,436	47,174	2,514,822	400,000						2,914,822
Stagecoach Park Reclaimed Waterline Install 12-inch diameter pipeline to receive Norco reclaimed water.	REC WTR	567	6559	June 2013	158,324	9,787	1,207,609	1,375,720	1,650,000						3,025,720
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 2013	230,537	73,523	1,295,940	1,600,000	2,400,000						4,000,000
Reclaimed Water System Fund Subtotal					\$ 835,791	\$ 2,306,136	\$ 3,483,615	\$ 6,625,542	\$ 5,550,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,175,542

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<u>WATER UTILITY FUND</u>															
<u>Desalter Interstage Boosters/Brine Recovery</u> Design and install interstage booster systems on Trains 1 through 4 or utilize Brine Recovery technology.	WTR UTIL	517	6018	June 2013			\$ 465,000	\$ 465,000							\$ 465,000
<u>Well 26 to Desalter Pipeline</u> Connect existing well discharge line to the Desalter feed line.	WTR UTIL	517	6022	June 2013	67,343		132,657	200,000							200,000
<u>Sierra Del Oro Filter Valves - Upgrade</u> Design and install new filter valves with electrical acuator system.	WTR UTIL	517	6147	June 2013	23,173		200,000	223,173							223,173
<u>Interactive Voice Response, or IVR, Telephone System</u> Upgrade telephone system to IVR software that allows for utility bill payments and also provides a call out feature.	WTR UTIL	570	6148	June 2013	108,375		41,625	150,000							150,000
<u>Waterline Replacement - Smith</u> Replace 2,100 feet of 10" ACP with 12" PVC, ten water services, 15 fire services and 3 "T" connectors.	WTR UTIL	517	6282	June 2013	84,884	7,650	1,105,159	1,197,693							1,197,693
<u>SR-91 DWP Facility Relocations</u> 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	517	6284	Ongoing	63,460		336,540	400,000					3,000,000		3,400,000
<u>Lee Lake Service Boundary Adjustment</u> 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	517	6563	June 2013	16,470		158,530	175,000							175,000
<u>El Cerrito Waterline Relocation</u> Relocate and upsize the existing waterline to 12" to improve fire flow in the surrounding areas.	WTR UTIL	517	6565	June 2013	375,185	6,122	23,693	405,000							405,000

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<u>WATER UTILITY FUND, Continued</u>																
<u>Sierra Del Oro Chemical Containment Wall</u> Design and construct a containment wall between the Ammonia and Alum tanks. In addition, modify containment drain systems.	WTR UTIL	517	6569	June 2013	11,040		188,960	200,000							200,000	
<u>Sierra Del Oro Post Treatment Chemical Conduits</u> Install 2-4 inch conduits from chemical feed building to inside pipe gallery area at injection points.	WTR UTIL	517	6571	June 2013			50,000	50,000							50,000	
<u>Small Waterline Replacement</u> Small Waterline repairs throughout system as pipe reaches service life. Master Plan Project P-15.	WTR UTIL	517	6573	Ongoing			1,260,000	1,260,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	37,880,000	46,640,000	
<u>Ontario Zone 4 - Buena Vista to Taylor</u> Upsize existing waterline to 12".	WTR UTIL	517	6704	Ongoing	898		79,102	80,000	960,000						1,040,000	
<u>Minnesota Road</u> Construct 250 linear feet of 8" waterline.	WTR UTIL	517	6708	Ongoing	325		99,675	100,000							100,000	
<u>Bedford Canyon Flow Station</u> Raise station above ground.	WTR UTIL	570	6799	Ongoing					50,000						50,000	
<u>Chase Booster</u> Replace all electrical switchgear, raise flowmeter above ground, replace check valves and isolation valves on four pumps.	WTR UTIL	570	6816	Ongoing					250,000						250,000	
<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					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					200,000						200,000	
<u>Lester Staircase</u> Replace wooden staircase with concrete staircase and aluminum railing.	WTR UTIL	570	6819	Ongoing					100,000						100,000	
<u>Mills Flow Station at Lester</u> Raise station above ground.	WTR UTIL	570	6823	Ongoing					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	

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<u>WATER UTILITY FUND, Continued</u>															
<u>Relocate El Cerrito Pressure Reduction Valve</u> Relocate El Cerrito pressure reduction valve to the east side of the freeway.	WTR UTIL	570	6825	June 2014					50,000						50,000
<u>Repipe Well 14</u> Repipe Well 14's discharge piping and raise pump base.	WTR UTIL	570	6826	June 2013					50,000						50,000
<u>Repipe Well 15</u> Repipe Well 15's discharge piping and raise pump base.	WTR UTIL	570	6827	June 2013					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 2013					75,000						75,000
<u>Zone 4 Waterline Connection</u> Connect Zone 4 pipeline north of Cajalco.	WTR UTIL	570	6829	June 2013					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
<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	517	8021	June 2013	9,750		250,000	259,750							259,750
<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>Pressure Reducing Station - Stanislaus</u> New pressure reducing station at Stanislaus Drive and Wasatch Drive. Master Plan Project V-1.	WTR UTIL	570		June 2014						150,000					150,000
<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 to 1800 LF of 12" and 200 LF of 8". Master Plan Project P-29.	WTR UTIL	570		Ongoing									360,000		360,000

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WATER UTILITY FUND, Continued															
Waterline Replacement - Howard Street 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
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					\$ 760,903	\$ 13,772	\$ 4,390,941	\$ 5,165,616	\$ 4,625,000	\$ 2,000,000	\$ 1,500,000	\$ 1,500,000	\$ 2,310,000	\$ 43,810,000	\$ 60,910,616
MULTI-FUND PROJECTS															
Sampson Flow Control Valve Automation Design and construct an automated bypass valve around existing Corp Circle butterfly valve, improving SCADA control.	WTR UTIL WTR UTIL	517 570	6017 6017	June 2013	\$ 69,703		310,497	\$ 380,200	100,000						\$ 380,200 100,000
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	507 517	6028 6028	June 2013	26,971 42,658	340,297 340,297	42,732 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 State Revolving Loan and \$5M is Water Recycling grant funded. Water Master Plan Project S-14.	WR CAP REC WTR WR UTIL	440 567 572	6540 6540 6540	June 2013	1,142,730 41,139,737 4,006,583		730,305	1,142,730 41,870,042 4,006,583							1,142,730 41,870,042 4,006,583
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 WTR UTIL	517 570	6567 6567	Ongoing	90,031		559,969	650,000	400,000						650,000 400,000

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MULTI-FUND PROJECTS															
Mangular Blending Facility	WTR UTIL	517	6589	June 2013	206,259	482,146	311,595	1,000,000							1,000,000
Install new Mangular blending facility.	WTR UTIL	570	6589						3,100,000						3,100,000
Repair Concrete/ Steel Reservoirs	WTR UTIL	517	6590	June 2013	3,952		496,048	500,000							500,000
Earthquake venting/retrofitting to 8 existing reservoirs. Master Plan Project R-10.	WTR UTIL	570	6590						300,000						300,000
Waterline Replacement - 900 Block W. Ninth Street	WTR UTIL	517	6608	June 2013	100,012			100,012							100,012
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						130,000						130,000
Waterline Replacement-Ninth Street, east of Main Street to East Grand Boulevard	WTR UTIL	517	6611	June 2013	57,696		397,662	455,358							455,358
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						400,000						400,000
New Reservoir R-3	WTR CAP	507	6645	Ongoing	232,693		2,467,307	2,700,000	1,275,000						3,975,000
The design and construction of new Master Plan Reservoirs R-3.	WTR UTIL	517	6645		28,930	77,258	359,812	466,000							466,000
	WTR UTIL	570	6645						225,000						225,000
Replacement of Reservoir Control Valve	WTR UTIL	517	6647	Ongoing	90,445			90,445							90,445
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										210,000		210,000
Pressure Reducing Station - Hummingbird to Pine Crest Sub Zone	WTR UTIL	517	6699	June 2013	71,479	7,600	157,721	236,800							236,800
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 Grande. Master Plan Project P-16.	WTR UTIL	570	6699						325,000						325,000
Proposition 50 Project	WR CAP	440	7135	June 2013	5,420			5,420							5,420
The construction of Wells 29, 30, and 31 to increase water capacity. Proposition 50 project number P50-3310037-023 will provide reimbursement of 50% of allowable costs under the funding agreement.	WTR CAP	507	7135		1,379,216	107,223	28,807	1,515,246							1,515,246
	WTR UTIL	517	7135		1,593,160	63,383	44,972	1,701,515							1,701,515

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<u>MULTI-FUND PROJECTS, Continued</u>															
<u>Desalter Chemical Feed System</u>	WTR UTIL	517	8431	June 2013	47,380		104,318	151,698							151,698
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						246,606						246,606
<u>Waterline Replacement - Merrill</u>	WTR CAPR	517	8439	June 2015	7,020			7,020							7,020
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							250,000					250,000
Multi-Fund Projects Subtotal					\$ 50,342,075	\$ 1,418,204	\$ 6,038,790	\$ 57,799,069	\$ 6,501,606	\$ -	\$ 250,000	\$ -	\$ -	\$ 210,000	\$ 64,760,675
TOTAL WATER FACILITIES					\$ 52,096,000	\$ 3,738,112	\$ 15,733,115	\$ 71,567,227	\$ 16,676,606	\$ 4,200,000	\$ 4,250,000	\$ 1,500,000	\$ 2,310,000	\$ 44,020,000	\$ 144,523,833