Water

The $726.7 million Water program is funded with Water operating revenue, nonprofit corporation bonds, impact fees and city of Mesa participation in the Val Vista Water Treatment Plant joint venture.

Major projects include the following:

- Acquire and construct new wells and rehabilitate existing wells
- Construct new reservoirs and rehabilitate existing reservoirs and basins
- Rehabilitate existing booster stations
- Replace and rehabilitate portions of the Val Vista Transmission Main from the Val Vista Water Treatment Plant to 48th Street
- Rehabilitate the Val Vista, Deer Valley, Union Hills Water Treatment and Cave Creek Water Reclamation Plants
- Design and construct improvements for solids handling facility for Union Hills Water Treatment Plant
- Construct improvement in the energy efficiency and optimization of electrical demand as recommended in the Innovation and Efficiency Study for Water Services Department
- Construct production improvements to water treatment & reclamation plants, reservoirs, wells and booster stations such as treatment processes, chemical facilities, equipment and facility improvements
- Install new service meters and construct plumbing connections for alley service relocations
- Repair and replace leaking water services
- Construct water main improvements recommended in the integrity study and rehabilitate existing mains citywide
- Construct new mains in growth areas
- Relocate water lines for light rail northwest extension
- Replace or rehabilitate high-priority water transmission mains
- Design and construct new water mains and install new fire hydrants in the

Garfield Neighborhood (7th to 16th streets and Van Buren to McDowell streets)

- Complete installation of software and hardware to automate meter reading
- Conduct various water system studies
- Construct security upgrades at remote facilities

Water

Capital Improvement Program Summary

Project Summary	2013-14	2014-15	2015-16	2016-17	2017-18	Total
24th Street Plant	1,771,000	9,420,000	450,000	450,000	2,150,000	14,241,000
Automation	8,452,254	1,887,148	1,580,148	1,580,148	770,000	14,269,698
Boosters	18,578,022	6,375,000	10,562,550	4,550,000	10,644,250	50,709,822
Buildings	1,305,000	1,080,000	1,080,000	1,080,000	-	4,545,000
Cave Creek	190,000	30,000	740,000	2,255,000	130,000	3,345,000
Deer Valley Plant	50,000	50,000	1,450,000	8,690,000	450,000	10,690,000
Production	22,980,002	12,599,240	13,478,167	13,336,278	14,174,314	76,568,001
Reclamation Facilities	-	-	-	500,000	500,000	1,000,000
Security	179,000	1,350,000	-	750,000	-	2,279,000
Storage	28,095,757	9,184,500	8,472,255	3,674,980	18,049,000	67,476,492
Union Hills Plant	263,800	24,795,500	737,000	1,505,000	9,525,000	36,826,300
Val Vista Plant	338,076	2,230,000	15,310,000	450,000	150,000	18,478,076
Water Mains	108,513,903	64,394,966	82,342,139	56,447,415	80,618,505	392,316,928
Water System Studies	-	-	5,300,000	-	-	5,300,000
Wells	6,944,200	3,755,000	4,230,000	7,521,235	2,450,000	24,900,435
Debt	500,000	-	-	-	-	500,000
Percent for Art	2,717,700	60,000	367,200	75,000	50,000	3,269,900
Total	***$200,878,714***	***$137,211,354***	***$146,099,459***	***$102,865,056***	***$139,661,069***	***$726,715,652***
Source of Funds						
Operating Funds						
Arizona Highway Users	440,000	-	-	-	-	440,000
Water Operating	172,871,234	115,331,561	112,254,078	87,229,601	134,990,614	622,677,088
Total Operating Funds	***$173,311,234***	***$115,331,561***	***$112,254,078***	***$87,229,601***	***$134,990,614***	***$623,117,088***
Bond Funds						
2006 Bonds	6,400	-	-	-	50,000	56,400
Nonprofit Corporation Bonds - Wastewater	7,780	-	-	-	-	7,780
Nonprofit Corporation Bonds - Water	3,341,920	19,942,500	26,684,334	14,451,360	3,559,090	67,979,204
Total Bond Funds	***$3,356,100***	***$19,942,500***	***$26,684,334***	***$14,451,360***	***$3,609,090***	***$68,043,384***
Other Financing						
Impact Fees	23,140,938	25,000	-	-	-	23,165,938
Other Cities' Share in Joint Ventures	1,070,442	1,912,293	7,161,047	1,184,095	1,061,365	12,389,242
Total Other Financing	***$24,211,380***	***$1,937,293***	***$7,161,047***	***$1,184,095***	***$1,061,365***	***$35,555,180***
Total Sources of Funds	***$200,878,714***	***$137,211,354***	***$146,099,459***	***$102,865,056***	***$139,661,069***	***$726,715,652***