

Attachment A

Five-Year Proposed Capital Improvement Program

FY 2016 - 2020

Program Summaries

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016 - 2020

FALCON FIELD AIRPORT

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT COST
FUNDED PROJECTS						
Acute Angle Taxiways	1,212,516	-	-	-	-	1,212,516
Airfield Lighting and Signage Upgrade	175,000	1,107,873	-	-	-	1,282,873
Airport Historic Zone Improvements	871,250	623,979	636,033	-	-	1,875,012
Anzio Ramp Expansion, Access Road and Lighting	-	-	-	-	195,958	195,958
Automated Surface Observing System (ASOS)	51,250	-	-	-	-	51,250
Blast Pads for Runway 4L-22R	456,231	-	-	-	-	456,231
Eastside Taxilane	-	-	-	-	632,553	632,553
Falcon Field Master Plan	-	311,990	-	-	-	311,990
Gate Systems Upgrade	102,500	-	-	-	-	102,500
Hangar Electrical Upgrades	102,500	-	-	-	-	102,500
Higley/Falcon Ramps Reconfiguration and Lighting	-	112,180	1,040,571	-	-	1,152,751
Hot Maintenance Facility	-	-	312,912	-	-	312,912
J-Hangar Rebuild	577,075	-	-	-	-	577,075
Runway 22L Run up Area	-	-	263,318	1,223,406	-	1,486,724
Runway 22R Approach Easement	-	-	-	-	692,293	692,293
Safety Area Improvements	-	-	146,289	1,750,775	2,943,605	4,840,669
Taxiway A and C Reconfiguration	1,856,712	1,777,735	-	-	-	3,634,447

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016 - 2020

FALCON FIELD AIRPORT

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT COST
Tree Removal	-	-	-	181,894	1,234,697	1,416,591
FUNDING SOURCES						
Falcon Field - Capital	2,051,838	900,531	1,117,904	268,249	347,201	4,685,723
Falcon Field - Grants	3,353,196	3,033,225	1,281,219	2,705,932	2,918,649	13,292,221
	5,405,034	3,933,756	2,399,123	2,974,181	3,265,850	17,977,944

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016 - 2020

TRANSPORTATION PROGRAM

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT TOTAL
FUNDED PROJECTS						
Streets						
2013 Streets Cityshare	500,000	1,521,901	1,551,301	-	-	3,573,202
Operating Cost	-	28,485	60,366	94,896	100,485	
Neighborhood Transportation Improvement Projects	20,350	396,063	379,991	-	-	796,404
Operating Cost	-	-	9,204	9,387	9,565	
LRT Crossing West of Dobson	-	-	-	-	236,434	236,434
Railroad Quiet Zone	199,999	205,964	-	-	-	405,963
Operating Cost	-	-	27,458	28,961	31,124	
Roosevelt Road Improvements from Broadway to 8th	128,340	857,206	-	-	-	985,546
Rusted Streetlight Pole Replacement	800,000	710,220	132,378	-	-	1,642,598
Streetlight Spot Improvement	828,000	735,078	267,599	-	-	1,830,677
Traffic Signals - New and Upgrade	970,532	-	-	-	-	970,532
UPRR Crossing Improvements, Dobson and Alma School	250,988	-	-	-	-	250,988
Water Ponding 10th Avenue & Serrine (Lincoln Elem)	206,000	-	-	-	-	206,000
Intelligent Transportation System						
ITS - East Valley Arterial Congestion Monitoring	758,741	-	-	-	-	758,741
Operating Cost	-	25,580	26,455	26,981	27,491	
ITS - Integrate Mesa 9-1-1 Call	87,593	-	-	-	-	87,593
Operating Cost	-	51,907	53,681	56,621	60,850	

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016 - 2020

TRANSPORTATION PROGRAM

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT TOTAL
ITS - Radio Communications Upgrades	451,999	-	-	-	-	451,999
Operating Cost	-	25,580	26,455	26,981	27,491	
ITS - ITS Technology Hardware	251,125	67,598	-	-	-	318,723
MAG ITS Projects	406,625	412,562	420,531	428,892	437,000	2,105,610
Operating Cost	-	4,376	8,752	13,128	17,504	
Storm Sewer						
2nd Avenue and Solomon	2,000,000	-	-	-	-	2,000,000
Emerald Area Drainage	500,000	-	-	-	-	500,000
Royal Palms	200,000	-	-	-	-	200,000
Horne Storm Drain System	2,200,000	-	-	-	-	2,200,000
10th Avenue and Serrine	200,000	-	-	-	-	200,000
Shared Use Paths						
Bike and Ped Pilot projects	5,175	378,040	379,991	-	-	763,206
Dobson Road Pedestrian and Bicycle Route Improvements (Broadway to Main Street)	1,599,245	-	-	-	-	1,599,245
Operating Cost	-	9,892	10,083	10,284	10,478	
Fiesta Paseo Pathway and Micro Park	2,380,642	-	-	-	-	2,380,642
Operating Cost	-	17,248	17,581	17,931	18,270	
Lighting on Consolidated Canal Phase 2, Adobe to Lindsay	60,548	591,212	-	-	-	651,760
Operating Cost	-	9,130	9,442	9,630	9,812	

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016 - 2020

TRANSPORTATION PROGRAM

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT TOTAL
Porter Park Pathway	2,008,348	-	-	-	-	2,008,348
Operating Cost	-	9,892	10,083	10,284	10,478	
Rio Salado Pathway Segment 3	1,000,000	-	-	-	-	1,000,000
Operating Cost	-	9,892	10,083	10,284	10,478	
Transit						
Central Mesa Light Rail Extension (Mesa Share)	1,552,500	-	-	-	-	1,552,500
Gilbert Road Light Rail Extension (Mesa Share)	1,044,017	1,006,824	1,357,426	1,627,253	1,166,535	6,202,055
PLANNED PROJECTS						
Streets						
Street Cityshare Program	-	-	-	527,381	1,129,511	1,656,892
Illuminated Street Name Signs	-	-	-	401,336	408,923	810,259
Right-of-way Improvements	-	-	-	632,856	322,410	955,266
Shared Use Paths						
Dobson Road 'Complete Streets' Main to Loop 202 Red Mtn Fwy	-	-	-	186,678	190,207	376,885
Dobson Road, 'Complete Streets' US 60 to Broadway	-	-	16,056	472,696	2,817,494	3,306,246
Main Street Bicycle 'Complete Streets' Feasibility Study (Gilbert to Sossaman)	-	-	-	-	284,753	284,753
SE Mesa Bike and Pedestrian Path (Segments 2-5)	-	-	-	230,675	2,849,749	3,080,424

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016 - 2020

TRANSPORTATION PROGRAM

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT TOTAL
Shared Use Path - US 60 R.O.W. - West City Limit to Loop 202 San Tan Freeway	-	-	-	-	835,349	835,349
Bike Share Phase 2	-	261,212	272,336	5,005	5,192	543,745
FUNDING SOURCES						
2013 Street Bond	2,128,000	2,967,199	1,951,278	-	-	7,046,477
Future Street Bond	-	-	-	1,792,248	4,710,593	6,502,841
Grants - Gen. Gov.	6,834,895	-	-	-	-	6,834,895
Transit Fund	2,596,517	1,006,824	1,357,426	1,627,253	1,166,535	7,754,555
Local Streets Sales Tax	8,051,355	3,169,857	1,468,905	1,093,271	4,806,429	18,589,817
	19,610,767	7,143,880	4,777,609	4,512,772	10,683,557	46,728,585

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016 - 2020

COORDINATED PROJECTS

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT COST
FUNDED PROJECTS						
1st Avenue Improvements	706,831	4,046,335	-	-	-	4,753,166
Arterial Reconstruction	6,201,259	8,624,101	1,969,869	-	-	16,795,229
Fiesta District Phase II	8,000,000	-	-	-	-	8,000,000
Mesa Drive: 8th Ave. to Main	10,423,717	3,377,388	-	-	-	13,801,105
Operating Cost			44,942	45,836	46,702	
Streets - Economic Development	3,092,201	4,151,946	-	-	-	7,244,147
Waterline Replacement QS13C, QS21A, & QS20D	419,064	6,282,311	-	-	-	6,701,375
Waterline Replacement QS21D, Clark, and Pepper	2,801,184	-	-	-	-	2,861,781
Waterline Replacement QS28B & QS28D	4,038,212	-	-	-	-	4,038,212
PLANNED PROJECTS						
Arterial Reconstruction	-	-	-	4,219,039	8,036,108	12,255,147
Right of Way Improvements	-	-	-	632,856	322,410	955,266
Southern Avenue and Stapley Drive Intersection Improvements	-	-	-	-	1,091,677	1,091,677
Stapley Drive and University Drive Intersection Improvements	-	-	-	-	1,150,270	1,150,270

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016 - 2020

COORDINATED PROJECTS

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT COST
Streets - Economic Development	-	-	-	1,500,000	3,000,000	4,500,000
Waterline Replacement QS12B & D	-	-	-	-	-	5,873,858
Waterline Replacement QS13A & C	-	-	-	-	-	4,234,740
Waterline Replacement QS45A & C	-	-	-	-	-	4,576,707
FUNDING SOURCES						
2010 Water Bond	201,259	-	-	-	-	201,259
2013 Street Bond	19,822,612	17,074,489	1,969,869	-	-	38,866,970
2014 Electric Bond	3,917,136	2,017,135	-	-	-	5,934,271
2014 Gas Bond	3,033,367	2,659,513	-	-	-	5,692,880
2014 Wastewater Bond	385,200	390,824	-	-	-	776,024
2014 Water Bond	7,755,012	4,340,120	-	-	-	12,095,132
Future Street Bond	-	-	-	6,351,895	13,600,465	19,952,360
Local Streets Sales Tax	1,500,988	-	-	-	-	1,500,988
	36,615,574	26,482,081	1,969,869	6,351,895	13,600,465	85,019,884

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016 - 2020

PARKS, RECREATION & COMMERCIAL FACILITIES

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT COST
FUNDED PROJECTS						
Baseball Lighting	983,250	-	-	-	-	983,250
Buckhorn Baths Site	2,494,321	-	-	-	-	2,494,321
Cemetery Expansion	526,608	923,564	-	-	-	1,450,172
Eagles Park Development	-	3,100,000	-	-	-	3,100,000
Operating Cost	-	-	284,851	228,347	232,891	
Fiesta Sports Park	5,200,000	-	-	-	-	5,200,000
Operating Cost	-	201,431	205,439	209,323	214,226	
Greenfield Park Urban Fishing Lake	-	276,813	2,223,187	-	-	2,500,000
Operating Cost	-	-	-	252,477	223,797	
Kleinman Park	-	3,550,000	-	-	-	3,550,000
Operating Cost	-	-	137,516	140,252	142,904	
Landscape/Irrigation	1,213,692	146,900	-	-	-	1,360,592
Minor Equipment	188,444	244,555	-	-	-	432,999
Monterey Park Expansion	-	1,321,410	-	-	-	1,321,410
Operating Cost	-	-	205,357	143,080	145,927	
Museum & Cultural Resource Expansion (Federal Building)	2,542,724	421,824	-	-	-	2,964,548
Operating Cost		-	103,420	105,476	107,470	
Pioneer Park Renovations	436,851	-	-	-	-	436,851
Operating Cost	-	90,908	38,858	39,632	40,382	
Playground Upgrades	-	1,198,381	-	-	-	1,198,381
Pool Improvements	388,000	116,679	-	-	-	474,679

= Project schedule has shifted from FY 14/15 adopted plan due to lack of property access or availability of operational resources.

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016 - 2020

PARKS, RECREATION & COMMERCIAL FACILITIES

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT COST
Recreational Facility Upgrades	1,034,500	275,464	-	-	-	1,309,964
Signal Butte & Elliot Park Development	-	-	384,388	2,815,612	-	3,200,000
Operating Cost	-	-	-	-	170,887	
Southeast Mesa Bike & Pedestrian Path	943,365	-	-	-	-	943,365
Operating Cost	-	20,167	20,568	20,957	21,399	
Additional Parks Personnel required for 2012 Park Projects	-	375,526	388,362	409,629	440,227	-
PLANNED PROJECTS						
Baseball Lighting	-	-	-	46,539	484,135	530,674
Landscape/Irrigation Improvements	-	141,914	2,961,353	2,880,048	531,998	6,515,313
Playground Upgrades	-	-	122,501	437,541	453,652	2,212,075
Pool Improvements	-	-	253,379	158,214	306,290	717,883
Recreational Facility Upgrade	-	-	-	275,464	289,576	565,040
FUNDING SOURCES	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT COST
2012 Park Bond	13,927,703	8,670,047	2,607,575	2,815,612	-	28,020,937
Capital - General Fund	1,497,444	2,123,893	3,337,233	3,558,546	1,209,312	11,726,428
Cemetery	526,608	923,564	-	-	-	1,450,172
Future Park Bond	-	-	-	239,260	856,339	1,095,599
	15,951,755	11,717,504	5,944,808	6,613,418	2,065,651	42,293,136

= Project schedule has shifted from FY 14/15 adopted plan due to lack of property access or availability of operational resources.

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016 - 2020

FIRE PROGRAM

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT COST
FUNDED PROJECTS						
Fire Apparatus Replacement	3,807,336	2,671,542	2,891,478	-	-	9,370,356
Fire Station 203: Relocation	1,567,699	2,827,918	-	-	-	4,395,617
Mesa Regional Dispatch Center	1,046,627	10,949,844	2,737,462	-	-	14,733,933
PLANNED PROJECTS						
Emergency Generator Replacement	-	-	-	530,028	540,565	1,070,593
Fire Apparatus Replacement	-	-	-	4,402,775	3,310,660	7,713,435
Fire Station 205: Rebuild	-	-	-	434,996	1,965,435	2,400,431
Fire Station 221: Eastmark	-	-	-	319,389	1,488,221	1,807,610
Operating Cost	-	-	-	-	1,582,140	
Fire Stations 209, 210: Expansion	-	-	-	184,794	2,073,412	2,258,206
Fire Stations 213, 214: Expansion	-	-	-	197,837	2,236,526	2,434,363
Fire Stations: Land Acquisition for New Stations	-	-	-	2,636,900	-	2,636,900
Public Safety Training Facility Improvements: Audio-Visual Training Classroom	-	-	-	251,218	2,348,451	2,599,669
Fire Station 222: Battalion Headquarters	-	-	-	-	444,517	444,517
Fire Operations Center	-	-	-	-	97,387	97,387
FUNDING SOURCES						
2013 Public Safety Bond	6,109,977	16,115,326	5,087,500	-	-	27,312,803
Future Public Safety Bond	-	-	-	8,258,812	15,622,017	23,880,829
Capital - General Fund	311,685	333,978	541,439	699,125	465,297	2,351,525
	6,421,662	16,449,304	5,628,939	8,957,937	16,087,314	53,545,157

Five-Year Proposed Capital Improvement Program Forecast - Inflated

FY 2016 - 2020

POLICE PROGRAM

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT COST
FUNDED PROJECTS						
Police Holding Facility Improvements	1,620,000	-	-	-	-	1,620,000
PLANNED PROJECTS						
Central Basement Refurbishment	-	-	-	323,812	2,953,274	-
Central Community Media Room	177,100	-	-	-	-	177,100
Eastside Improvements at Phx-Mesa Gateway Airport	-	-	-	-	490,304	490,304
Evidence Shelving	500,000	-	-	-	-	500,000
Headquarters Facility Remodel	-	-	-	458,821	4,368,643	4,827,465
Metro Building Remodel	-	-	-	192,980	2,665,706	2,858,686
Metro Building Site Hardening	-	-	-	788,208	-	788,208
Police Aviation (Helicopter)	-	-	-	3,648,890	-	3,648,890
Police Shooting Range Expansion	-	-	-	826,963	-	826,963
Public Safety Training Facility - Resurface Driving Track	-	2,637,960	-	-	-	2,637,960
Red Mountain Substation Expansion	-	-	-	1,508,310	9,672,273	11,180,583
FUNDING SOURCES						
2013 Public Safety Bond	1,620,000	-	-	-	-	1,620,000
Capital - General Fund	677,100	2,637,960	-	-	-	3,315,060
Future Public Safety Bond	-	-	-	7,747,984	20,150,200	27,898,184
	2,297,100	2,637,960	-	7,747,984	20,150,200	32,833,244

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016 - 2020

COMMUNICATIONS PROGRAM

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT COST
FUNDED PROJECTS						
Communications Building Improvements	847,759	-	-	-	-	847,759
TOPAZ Voice Radio Network Equipment Upgrade	3,633,828	433,828	433,828	433,828	433,828	5,369,140
PLANNED PROJECTS						
Network Fiber Refresh	-	-	-	827,345	872,653	1,699,998
Future Fiber to Radio Network Backbone Sites	-	-	-	1,551,273	1,636,223	3,187,496
Microwave Network Replacement	-	-	-	-	1,251,173	1,251,173
Regional Communications Authority (Joint w/ City of Phoenix)	-	-	-	775,650	-	775,650
VHF Radio System	900,000	900,000	500,000	-	-	2,300,000
FUNDING SOURCES						
2013 Public Safety Bond	3,047,759	-	-	-	-	3,047,759
Future Public Safety Bond	-	-	-	2,326,923	2,887,396	5,214,319
Capital - General Fund	2,333,828	1,333,828	933,828	1,261,173	1,306,481	7,169,138
	5,381,587	1,333,828	933,828	3,588,096	4,193,877	15,431,216

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016 - 2020

ELECTRIC PROGRAM

Major Program Name	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT COST
FUNDED PROJECTS						
Electric Distribution - Overhead	781,471	792,881	725,896	-	-	2,300,248
Electric Distribution - Underground	2,235,653	2,241,380	2,284,679	-	-	6,761,712
Electric Generation	265,265	269,138	274,338	-	-	808,741
Electric Master Plan	159,159	-	-	-	-	159,159
Electric Metering	794,948	828,024	841,625	872,176	886,819	4,223,592
Electric New Services	1,061,060	1,076,552	1,097,348	-	-	3,234,960
Electric Smart Grid	169,770	172,248	175,576	-	-	517,594
Electric Substation Improvements	1,430,385	1,259,556	1,124,782	-	-	3,814,723
Electric Transmission	206,676	107,655	109,734	-	-	424,065
Substation to Park Conversion	116,717	-	-	-	-	116,717
FUNDING SOURCES						
2014 Electric Bond	6,823,630	6,333,422	6,213,166	-	-	19,370,218
Utility RER	397,474	414,012	420,813	872,176	886,819	2,991,294
	7,221,104	6,747,434	6,633,978	872,176	886,819	22,361,511

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016 - 2020

NATURAL GAS PROGRAM

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT TOTAL
FUNDED PROJECTS						
Natural Gas Growth						
Gas Meters: New and Replacement	743,289	772,635	781,502	853,920	866,416	4,017,762
Gas System: New Mains	3,178,375	3,386,018	3,624,000	-	-	10,188,393
Gas System: New Services	2,156,755	2,297,656	2,369,698	-	-	6,824,109
High Pressure Gas Main Installations	657,853	700,829	750,084	-	-	2,108,766
Magma Utility Service Center	-	-	503,123	-	-	503,123
McDowell and Greenfield Regulator Station	12,621	321,603	-	-	-	334,224
Meridian and Queen Creek GRS97 Redesign	-	264,069	-	-	-	264,069
Meridian Rd Intermediate Pressure Cross-Tie; Queen Creek Rd to Ocotillo Rd	364,270	-	-	-	-	364,270
Regulator Station, Hawes: McKellips Road to Hermosa Vista 4-inch Steel HP	76,258	883,431	-	-	-	959,689
Regulator Station, Higley; McDowell to Thomas - 4-inch Steel HP	123,893	1,474,154	-	-	-	1,598,047
Gas Aging Infrastructure						
Center Street Gas Line Replacement from University to Brown	21,531	554,075	-	-	-	575,606
Cooper Rd. Main Replacement 4" PE	704,535	-	-	-	-	704,535
Gas Main Replacements - Magma Service Area	438,879	475,547	517,724	-	-	1,432,150
Gas System: Aging Infrastructure Replacement	2,393,929	2,593,936	2,823,999	-	-	7,811,864

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016 - 2020

NATURAL GAS PROGRAM

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT TOTAL
McKellips Road: North Boulder Mountain to 98th Place 4-inch PE	472,313	-	-	-	-	472,313
Meridian and Combs 4-inch Line Replacement	528,957	-	-	-	-	528,957
Power and Elliot Regulator Station	304,246	-	-	-	-	304,246
SCADA System for the Natural Gas Distribution System	270,270	67,129	92,576	-	-	429,975
Southern Avenue: Greenfield Road to 48th Street HP/IP Gas Main	553,961	-	-	-	-	553,961
University; Alma School to Country Club	-	-	32,761	-	-	32,761
Gas System Reinforcement						
District Regulator Station, Skyline and Circle Cross Ranch	2,664,522	-	-	-	-	2,664,522
McDowell Road; 80th Street to Hawes Road 4-inch PE	507,024	-	-	-	-	507,024
Power Road and Brown Road Cross-Tie	49,946	428,568	-	-	-	478,514
Regulator Station Security	56,353	58,154	60,297	-	-	174,804
FUNDING SOURCES						
2014 Gas Bond	15,908,136	13,891,487	11,170,240	-	-	40,969,862
Utility RER	371,645	386,318	390,751	853,920	866,416	2,869,049
	16,279,780	14,277,804	11,560,991	853,920	866,416	43,838,911
NATURAL GAS CATEGORIES						
Growth	7,313,314	10,100,395	8,028,407	853,920	866,416	27,162,452
Aging Infrastructure	5,688,621	3,690,687	3,472,287	-	-	12,851,595
System Reinforcement	3,277,845	486,722	60,297	-	-	3,824,864
	16,279,780	14,277,804	11,560,991	853,920	866,416	43,838,911

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016-2020

WASTEWATER PROGRAM

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT TOTAL
FUNDED PROJECTS						
Wastewater Contractual Obligations						
91st Ave Wastewater Treatment Plant Upgrades (Mesa Share)	4,004,701	5,931,920	3,466,586	6,042,165	-	19,445,371
Wastewater Customer Demand in SE Mesa						
Ellsworth Rd. Sewer: Elliot to Ray	247,377	2,074,201	-	-	-	2,321,578
Ellsworth Road Wastewater Line; Ray Road to State Route 24	1,580,681	-	-	-	-	1,580,681
Greenfield Wastewater Reclamation Plant Expansion (Mesa Share Only)	4,160,000	11,951,988	49,258,946	41,863,425	-	107,234,359
Greenfield WRP Primary Odor Control Expansion	2,051,680	-	-	-	-	2,051,680
Pecos Road Relief Sewer, Ellsworth to Power	-	422,381	4,483,702	-	-	4,906,083
Phoenix Mesa Gateway Airport Northeast Area Development Plan	186,180	1,141,915	-	-	-	1,328,095
Phoenix Mesa Gateway Airport Northeast Area Development Plan 18" Line	57,780	357,275	-	-	-	415,055
Rittenhouse Road Sewer: Power Road to East Maricopa Interceptor	2,466,271	-	-	-	-	2,466,271
Warner Road: Power Road to Ellsworth Road	2,984,030	-	-	-	-	2,984,030

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016-2020

WASTEWATER PROGRAM

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT TOTAL
Wastewater Oversize and Extensions - Cityshare for Oversizing	160,500	162,843	165,989	169,289	-	658,621
Williams Field Road Sewer: Ellsworth to Mountain	2,395,194	-	-	-	-	2,395,194
Wastewater Lifecycle						
6th Street Sulfide Control Station Rehabilitation	586,372	-	-	-	-	586,372
Baseline Rd Biofilter Improvements	63,130	-	-	-	-	63,130
Eagle Crest Lift Station Rehabilitation	-	68,581	642,029	-	-	710,610
Greenfield WRP Equipment Replacement	577,800	961,427	1,081,585	934,881	-	3,555,693
Greenfield WRP Improvements	894,943	3,130,336	1,116,936	1,594,797	-	6,737,012
Greenfield WRP Headworks & Solids Building Duct Upgrades	32,667	970,730	314,899	-	-	1,318,296
Life Station Equipment Replacement	57,780	58,623	59,756	60,944	-	237,103
Northwest WRP Miscellaneous Improvements	3,039,015	551,496	562,150	573,325	-	4,725,986
Northwest WRP Equipment Replacement	577,800	586,236	597,561	609,440	-	2,371,037
Odor Control Station Equipment Replacement	28,890	29,312	29,878	30,472	-	118,552
Rehabilitate Star Valley Lift Station/Sulfide Control Station	-	-	88,529	1,218,881	-	1,307,410

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016-2020

WASTEWATER PROGRAM

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT TOTAL
Sewer Line Extensions to Unsewered Areas	568,580	576,882	588,026	599,716	-	2,333,204
Sewer Line Rehabilitation	2,262,666	3,496,253	1,174,948	-	-	6,933,867
Southeast WRP Equipment Replacement	115,560	240,356	119,513	121,888	-	597,317
Southeast WRP Misc Improvements 2	225,342	175,871	-	-	-	401,213
Small Wastewater Line Repair/Replacement	1,048,565	1,061,739	1,082,249	1,103,765	-	4,296,318
Wastewater Line Condition Assessment	287,830	292,032	297,674	303,591	-	1,181,127
Wastewater Manhole Rehabilitation	770,755	782,007	797,114	812,960	-	3,162,836
PLANNED PROJECTS						
Wastewater Contractual Obligations						
91st Ave Wastewater Treatment Plant Upgrades (Mesa Share)	-	-	-	-	7,801,769	7,801,769
FUNDING SOURCES						
2010 Wastewater Bond	8,870,695	3,043,800	-	-	-	11,914,495
2014 Wastewater Bond	22,561,394	31,983,604	65,928,070	56,039,539	-	176,512,606
Future Wastewater Bond	-	-	-	-	7,801,769	7,801,769
	31,432,089	35,027,404	65,928,070	56,039,539	7,801,769	196,228,871
WASTEWATER CATEGORIES						
Lifecycle	11,137,695	12,984,881	8,552,847	7,964,660	-	40,640,083
Contractual Obligations	4,004,701	5,931,920	3,466,586	6,042,165	7,801,769	27,247,141
Customer Demand SE Mesa	16,289,693	16,110,603	53,908,637	42,032,714	-	128,341,647
	31,432,089	35,027,404	65,928,070	56,039,539	7,801,769	196,228,871

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016 - 2020

WATER PROGRAM

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT COST
FUNDED PROJECTS						
Water Contractual Obligations						
Val Vista Pipelines to City Zone Reservoirs and Val Vista Water Treatment Plant	9,831,163	4,616,651	-	-	-	14,447,814
Val Vista Water Treatment Plant - Mesa Share	4,521,797	5,146,066	1,606,728	-	-	11,274,591
White Mountain Apache Water Settlement	-	3,884,884	3,941,721	-	-	7,826,605
Water Customer Demand SE Mesa						
Waterline in Grand Canyon Drive and Silver Street	-	149,523	903,490	-	-	1,053,013
Waterline in Mustang Street	-	-	131,384	786,377	-	917,761
Waterline SE Loop Road	-	148,469	890,835	-	-	1,039,304
Well Collection Line from DWF8 to DWF7	-	73,116	1,204,368	-	-	1,277,484
Well Collection Line from DWF7 to Pecos	-	73,116	1,204,368	-	-	1,277,484
Desert Well 18 Equip	1,130,559	-	-	-	-	1,130,559
Desert Well 19 Drill and Equip	1,189,764	-	-	-	-	1,189,764
Desert Well 20 Drill and Equip	1,189,764	-	-	-	-	1,189,764
Desert Wells Zone Well Site Acquisition	262,500	266,333	271,478	-	-	800,311
DMB Well 1 on Crismon between Elliot and Warner	-	-	58,639	1,285,376	1,278,639	2,622,654

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016 - 2020

WATER PROGRAM

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT COST
DMB Well 2 on Crismon at Approx Warner	-	-	54,296	1,285,376	1,278,639	2,618,311
Drill and Equip Non-Potable Well for Southeast Mesa	56,146	1,234,019	1,198,064	-	-	2,488,229
Elliot Road: Hawes to Sossaman Road Waterline	226,800	2,905,155	-	-	-	3,131,955
Elliot Road: Signal Butte to Hawes Road Waterline	999,600	14,034,683	-	-	-	15,034,283
Ellsworth Road Waterline; SR 24 to Pecos	261,115	3,314,993	-	-	-	3,576,108
Falcon Field Pump Station at Signal Butte Water Treatment Plant	848,400	860,787	-	-	-	1,709,187
Meridian Drive Waterline: Guadalupe Road South to SRP Easement	562,489	-	-	-	-	562,489
Waterline in Gateway Blvd	289,800	1,682,837	-	-	-	1,972,637
Signal Butte DW Waterline: Warner to Ray	3,146,850	-	-	-	-	3,146,850
Signal Butte: Ray Road to Williams Field Waterline	231,000	2,344,676	-	-	-	2,575,676
Signal Butte: Reuban Street to Warner Road Waterline	1,365,553	-	-	-	-	1,365,553
Signal Butte Well Collection Line - DW #18 to Reuban Street	588,238	-	-	-	-	588,238
Signal Butte Well Collection Line - DW #18 to Warner	1,053,880	-	-	-	-	1,053,880

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016 - 2020

WATER PROGRAM

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT COST
Signal Butte Water Treatment Plant	4,788,000	62,982,310	53,524,504	-	-	121,294,814
Water and Wastewater Improvements for ASU Polytechnic - Phase II and III	2,810,029	-	-	-	-	2,810,029
Waterline from Central Arizona Project to Signal Butte Water Treatment Plant	10,088,024	-	-	-	-	10,088,024
Water Customer Demand Citywide						
Transfer Station 3 Improvements	6,615,170	-	-	-	-	6,615,170
Water Extensions and Oversized Mains	212,100	215,196	219,353	-	-	646,649
Water Master Plan Update	-	-	-	276,875	-	276,875
Water Lifecycle						
Brown Road WTP Misc. Improvements	890,295	672,490	-	-	-	1,562,785
Brown Road WTP Rehabilitation	4,477,452	2,349,741	2,253,297	-	-	9,080,490
City Well #13 Re-drill and Equip	-	-	54,296	1,340,751	1,302,700	2,697,747
City Well #7 Re-drill	1,212,152	-	-	-	-	1,212,152
City Well #8 Re-drill and Equip	1,212,152	-	-	-	-	1,212,152
City Well #9 Re-drill and Equip	-	53,267	1,260,321	1,278,530	-	2,592,118
DS Pump Station No. 1--Standby Generator	212,100	-	-	-	-	212,100
DW Stations No. 1 --Additional Pump and Standby Generator	676,069	-	-	-	-	676,069

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016 - 2020

WATER PROGRAM

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT COST
Falcon Field Airport Improvements	380,685	398,114	-	-	-	778,799
Fire Hydrant Meters	10,500	10,653	10,859	-	-	32,012
Fire Hydrant Replacement	397,688	403,494	411,289	419,465	-	1,631,936
Pressure Reducing Valve Station Replacements - Citywide	275,730	-	-	-	-	275,730
Pump Motor & VFD Replacements and Rehab	265,125	268,996	274,193	-	-	808,314
Radio Communication Upgrade at Remote Water Facilities	78,750	208,525	212,554	51,119	-	550,948
Replace Mag Meters at Remote Water Facilities	42,420	74,243	32,903	-	-	149,566
Transfer Station No. 2 -- Manual Transfer Switch	59,654	-	-	-	-	59,654
Waterline Condition Assessment	1,177,050	1,194,235	1,217,305	1,241,505	-	4,830,095
Water Facility Security Enhancements	67,200	33,877	-	-	-	101,077
Waterline Replacement: Center Street- University to 9th Place	74,649	772,561	-	-	-	847,210
Waterline Replacement QS39C	1,964,335	-	-	-	-	1,964,335
Water Meter Replacements	766,500	798,998	836,151	-	-	2,401,649
Water Meter Vault Rehab	949,725	963,591	982,206	-	-	2,895,522
Water Services Extension and Replacements	212,100	215,196	219,353	-	-	646,649

Five-Year Proposed Capital Improvement Program - Inflated

FY 2016 - 2020

WATER PROGRAM

PROJECT TITLE	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FIVE YEAR PROJECT COST
Water System: Aging Main Rehabilitation and Repairs	99,129	1,047,433	-	-	-	1,146,562
Water Transmission Main Replacements: 3rd Street, 6th Street, and Sirrine	-	440,195	4,728,283	-	-	5,168,478
Water Valve Replacement	371,175	376,594	383,869	391,501	-	1,523,139
Waterline Replacement 8th St: Alma School to Country Club	499,937	454,898	-	-	-	954,835
PLANNED PROJECTS						
Water Contractual Obligations						
Val Vista Water Treatment Plant - Mesa Share	-	-	-	3,265,335	6,770,591	10,035,926
FUNDING SOURCES						
2010 Water Bond	1,739,707	-	-	-	-	1,739,707
2014 Water Bond	64,754,670	114,348,878	76,686,827	8,003,833	3,859,978	267,654,186
Future Water Bond	-	-	-	3,265,335	6,770,591	10,035,926
	66,494,377	114,348,878	76,686,827	11,269,168	10,630,569	279,429,819
WATER CATEGORIES						
Lifecycle	16,243,781	10,581,954	12,557,341	4,722,871	1,302,700	45,408,647
Contractual Obligations	14,352,960	13,647,601	5,548,449	3,265,335	6,770,591	43,584,936
Customer Demand in SE Mesa	29,070,366	89,904,127	58,361,684	3,004,087	2,557,278	182,897,542
Customer Demand - Citywide	6,827,270	215,196	219,353	276,875	-	7,538,694
	66,494,377	114,348,878	76,686,827	11,269,168	10,630,569	279,429,819