



## **2019 – 2023 Capital Improvement Program**

### Project Funding Summary by Category

## 2019 – 2023 Capital Improvement Program

### Project Funding Summary

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**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Cemetery****Cemetery North Expansion (CP0583)****COUNCIL DISTRICT 1**

Expand the City cemetery to increase inventory. The planned expansion will be completed in 2 phases.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Cemetery	\$438,575	\$1,172,396	-	-	-	-	-	\$1,610,971
<b>Sum:</b>		<b>\$438,575</b>	<b>\$1,172,396</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,610,971</b>

**Future Cemetery Expansion (CP0712)****COUNCIL DISTRICT 1**

Reserve funding for future expansion of the City cemetery to serve the community.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Cemetery	-	-	\$16,722	\$336,732	-	-	-	\$353,454
<b>Sum:</b>		<b>-</b>	<b>-</b>	<b>\$16,722</b>	<b>\$336,732</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$353,454</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**City Facilities****AZ Labs Improvements (CP0863)****COUNCIL DISTRICT 6**

Update infrastructure at the AZ Labs building, including generator replacement, replacement of sanitary drain lines, and a storm drainage master plan.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Economic Investment Fund	-	\$126,000	\$376,063	\$469,544	\$56,684	\$290,876	-	\$1,319,167
<b>Sum:</b>		-	\$126,000	\$376,063	\$469,544	\$56,684	\$290,876	-	\$1,319,167

**Convention Center Walkway Lighting (CP0584)****COUNCIL DISTRICT 4**

Replace the walkway lighting at the Mesa Convention Center.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Capital - General Fund	\$0	-	-	-	-	-	-	\$0
	Convention Center	\$178,162	\$58,072	-	-	-	-	-	\$236,234
<b>Sum:</b>		\$178,162	\$58,072	-	-	-	-	-	\$236,234

**Downtown Facade Improvement (CP0781)****COUNCIL DISTRICT 4**

Construct commercial facades between 1st Street and 1st Avenue, Country Club and Serrine/Centennial as well as colonnade removal for properties.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Capital - General Fund	\$4,173	-	-	-	-	-	-	\$4,173
	Community Development Block Grant	\$99,200	\$447,000	-	-	-	-	-	\$546,200
	Grants - Gen. Gov.	\$11,326	\$195,868	-	-	-	-	-	\$207,194
<b>Sum:</b>		\$114,699	\$642,868	-	-	-	-	-	\$757,567

**East Mesa Service Center Cooling Tower System Replacement (CP0681)****COUNCIL DISTRICT 5**

Replace cooling tower system which includes piping throughout the building. The tower has exceeded its life expectancy, is corroded and is restricting water flow to the units.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Capital - General Fund	\$978,307	\$92,524	-	-	-	-	-	\$1,070,831
<b>Sum:</b>		\$978,307	\$92,524	-	-	-	-	-	\$1,070,831

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**City Facilities****East Valley Adult Resources Building (CP0568)****COUNCIL DISTRICT 4**

Renovate the Mesa Active Adult Center. Work will include interior flooring, fire alarm system upgrades and ADA accessibility improvements.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Capital - General Fund	\$23,190	\$25,037	-	-	-	-	-	\$48,227
	Community Development Block Grant	\$63,711	\$662,828	-	-	-	-	-	\$726,539
	<b>Sum:</b>	<b>\$86,901</b>	<b>\$687,865</b>	-	-	-	-	-	<b>\$774,766</b>

**Fleet West Roof Replacement (CP0793)****COUNCIL DISTRICT 4**

Replace Fleet West facility roof.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Fleet Internal Service	\$11,750	\$352,090	-	-	-	-	-	\$363,840
	<b>Sum:</b>	<b>\$11,750</b>	<b>\$352,090</b>	-	-	-	-	-	<b>\$363,840</b>

**Gene Autry Clubhouse Septic System (CP0688)****COUNCIL DISTRICT 5**

Remove the clubhouse septic system. Install wastewater collection lines and connect the facility to the City's wastewater utility system.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Capital - General Fund	\$21,017	\$505,300	-	-	-	-	-	\$526,317
	<b>Sum:</b>	<b>\$21,017</b>	<b>\$505,300</b>	-	-	-	-	-	<b>\$526,317</b>

**Main Library Tower Chiller (CP0820)****COUNCIL DISTRICT 4**

Replace the three chillers, two large air handlers, piping and pump systems at the Main Library.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Capital - General Fund	-	\$185,000	-	-	-	-	-	\$185,000
	<b>Sum:</b>	-	<b>\$185,000</b>	-	-	-	-	-	<b>\$185,000</b>

**Mesa Family Advocacy HVAC System & Roofing (CP0770)****COUNCIL DISTRICT 4**

Replace roof mounted HVAC equipment of existing buildings.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Capital - General Fund	\$18,649	\$421,647	-	-	-	-	-	\$440,296
	<b>Sum:</b>	<b>\$18,649</b>	<b>\$421,647</b>	-	-	-	-	-	<b>\$440,296</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**City Facilities****Police Central Division Drain Lines (CP0679)****COUNCIL DISTRICT 4**

Replace aging drain pipes throughout the Police Department's Central building. The piping is beyond its life expectancy and leaking has occurred in several areas. Replacement will prevent service disruption.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Capital - General Fund	-	\$210,000	-	-	-	-	-	\$210,000
<b>Sum:</b>		-	<b>\$210,000</b>	-	-	-	-	-	<b>\$210,000</b>

**Police Headquarters Generator (CP0785)****COUNCIL DISTRICT 4**

Replace the generator in Police Headquarters building that will provide backup power as well as correct issues to meet City code.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Capital - General Fund	\$47,591	\$570,405	-	-	-	-	-	\$617,996
<b>Sum:</b>		<b>\$47,591</b>	<b>\$570,405</b>	-	-	-	-	-	<b>\$617,996</b>

**Red Mountain Library Tower Replacement (CP0799)****COUNCIL DISTRICT 5**

Evaluate and replace cooling towers at Red Mountain Library with properly sized equipment that can be specified so that space temperature requirements can be met.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Capital - General Fund	-	\$560,000	-	-	-	-	-	\$560,000
<b>Sum:</b>		-	<b>\$560,000</b>	-	-	-	-	-	<b>\$560,000</b>

**Red Mountain Multigenerational Center Chiller Replacement (CP0767)****COUNCIL DISTRICT 5**

Replace existing system with a new system that will provide energy savings, reliability, and much needed redundancy for this facility in the event that it is needed for an emergency gathering spot for citizens.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Capital - General Fund	\$113,781	\$1,217,236	-	-	-	-	-	\$1,331,017
<b>Sum:</b>		<b>\$113,781</b>	<b>\$1,217,236</b>	-	-	-	-	-	<b>\$1,331,017</b>



**Capital Improvement Program Project Funding Summary**  
Fiscal Years 2019 - 2023

**Communications**

**Automated Billing and Network Management Tools - Mesa Share  
(CN0061)**

**CITYWIDE**

Fund Mesa's cost share of implementing automated airtime billing and accounting hardware and software. This upgrade will reduce costs for the TOPAZ network and improve the billing process.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Capital - General Fund	-	-	-	\$244,440	\$250,828	-	-	\$495,268
	<b>Sum:</b>	-	-	-	<b>\$244,440</b>	<b>\$250,828</b>	-	-	<b>\$495,268</b>

**Communications Building Electrical Vulnerability Mitigation (CP0796)**

**COUNCIL DISTRICT 4**

Correct an electrical system vulnerability that has been discovered in the Communications Building.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Capital - General Fund	\$14,058	\$27,710	-	-	-	-	-	\$41,768
	<b>Sum:</b>	<b>\$14,058</b>	<b>\$27,710</b>	-	-	-	-	-	<b>\$41,768</b>

**Distributed Antenna System for Phoenix Mesa Gateway Airport  
(CP0839)**

**COUNCIL DISTRICT 6**

Install an antenna system for the Phoenix Mesa Gateway Airport to improve public safety radio coverage.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Capital - General Fund	-	\$136,290	-	-	-	-	-	\$136,290
	<b>Sum:</b>	-	<b>\$136,290</b>	-	-	-	-	-	<b>\$136,290</b>

**Fiber to Radio Network Backbone Sites (CP0092)**

**CITYWIDE**

Improve the infrastructure that provides voice and data services to fire stations and other City facilities over the City's point-to-point microwave radio network.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2013 Public Safety Bond	\$4,067,825	\$129,527	-	-	-	-	-	\$4,197,352
	<b>Sum:</b>	<b>\$4,067,825</b>	<b>\$129,527</b>	-	-	-	-	-	<b>\$4,197,352</b>

**G-2 Fire Station Alerting System (CP0838)**

**CITYWIDE**

Upgrade the existing fire station alerting system.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Capital - General Fund	-	\$309,750	-	-	-	-	-	\$309,750
	<b>Sum:</b>	-	<b>\$309,750</b>	-	-	-	-	-	<b>\$309,750</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Communications****Internet Protocol Network Router Expansion - Mesa Share (CN0052)****CITYWIDE**

Fund Mesa's cost share to install internet protocol routers for the TOPAZ radio sites. The new routers will provide full network direction/redirection capabilities for the TOPAZ radio sites and mitigate unscheduled impairments to the network.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Capital - General Fund	-	\$348,469	-	-	-	-	-	\$348,469
	<b>Sum:</b>	-	<b>\$348,469</b>	-	-	-	-	-	<b>\$348,469</b>

**Public Safety Fiber - Phase II (CP0696)****CITYWIDE**

Install underground fiber to support public safety and other City communication needs and strengthen redundancy. This is the second phase to complete the three rings design to better serve the City's needs.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2018 Public Safety Bond	-	\$1,436,400	\$4,063,600	-	-	-	-	\$5,500,000
	Future Public Safety Bond	-	-	-	-	-	-	\$19,972,083	\$19,972,083
	<b>Sum:</b>	-	<b>\$1,436,400</b>	<b>\$4,063,600</b>	-	-	-	<b>\$19,972,083</b>	<b>\$25,472,083</b>

**Radio Network Upgrade - Mesa Share (CN0023)****CITYWIDE**

Fund Mesa's cost share to replace the public safety radio system network. The current system is no longer supported by the manufacturer. This upgrade will ensure system reliability for the TOPAZ network.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2013 Public Safety Bond	\$2,200,000	-	-	-	-	-	-	\$2,200,000
	Capital - General Fund	\$719,661	\$325,371	\$332,952	-	-	-	-	\$1,377,984
	<b>Sum:</b>	<b>\$2,919,661</b>	<b>\$325,371</b>	<b>\$332,952</b>	-	-	-	-	<b>\$3,577,984</b>

**System of Systems Networking - Mesa Share (CN0053)****CITYWIDE**

Fund Mesa's share of system-of-systems networking allowing radio networks to connect automatically with other similar radio networks. Radio users can utilize the resources of multiple systems to deliver public safety services efficiently.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Capital - General Fund	-	\$464,625	-	-	-	-	-	\$464,625
	<b>Sum:</b>	-	<b>\$464,625</b>	-	-	-	-	-	<b>\$464,625</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Communications****TOPAZ Automated Billing and Network Management Tools (CP0813)****CITYWIDE**

Implement automated airtime billing and accounting hardware and software solution. This upgrade will reduce costs for the TOPAZ network and improve the billing process.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Topaz Capital Programs	-	-	-	\$325,919	\$334,438	-	-	\$660,357
	<b>Sum:</b>	-	-	-	<b>\$325,919</b>	<b>\$334,438</b>	-	-	<b>\$660,357</b>

**TOPAZ Internet Protocol Network Router Expansion (CP0755)****CITYWIDE**

Purchase and install internet protocol routers for the TOPAZ radio sites. The new routers will provide full network direction/redirection capabilities for the TOPAZ radio sites and mitigate unscheduled impairments to the TOPAZ network.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Topaz Capital Programs	-	\$464,625	-	-	-	-	-	\$464,625
	<b>Sum:</b>	-	<b>\$464,625</b>	-	-	-	-	-	<b>\$464,625</b>

**TOPAZ Northeast Mesa Radio Tower Site (CP0779)****CITYWIDE**

Construct a public safety radio communication site in the far northeast area of Mesa to ensure reliable TOPAZ radio coverage. Improvements include the site, tower, equipment shelter, emergency generator, radio and network equipment, and services.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Topaz Capital Programs	-	-	-	-	\$605,703	\$1,040,515	-	\$1,646,218
	<b>Sum:</b>	-	-	-	-	<b>\$605,703</b>	<b>\$1,040,515</b>	-	<b>\$1,646,218</b>

**TOPAZ Radio Network Upgrade (CN0022)****CITYWIDE**

Upgrade the public safety radio system network. The current system is no longer supported by the manufacturer. The upgrade will ensure system reliability for the TOPAZ public safety network.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Topaz Capital Programs	-	\$433,828	\$443,936	-	-	-	-	\$877,764
	TOPAZ Joint Venture								
	Fund	\$4,501,483	-	-	-	-	-	-	\$4,501,483
	<b>Sum:</b>	<b>\$4,501,483</b>	<b>\$433,828</b>	<b>\$443,936</b>	-	-	-	-	<b>\$5,379,247</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Communications****TOPAZ Southeast Apache Junction Radio Tower Site (CP0754)****CITYWIDE**

Construct a public safety radio site in the southeast area of Apache Junction to ensure reliable radio coverage. Improvements include land acquisition, a radio tower, equipment shelter, emergency generator, radio/network equipment, and services.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Topaz Capital Programs	-	-	-	\$590,276	\$1,013,847	-	-	\$1,604,123
	<b>Sum:</b>	-	-	-	<b>\$590,276</b>	<b>\$1,013,847</b>	-	-	<b>\$1,604,123</b>

**TOPAZ Southeast Queen Creek Radio Tower Site (CP0091)****CITYWIDE**

Construct a public safety radio site in the southeast area of Queen Creek to ensure reliable radio coverage. Improvements include land acquisition, a radio tower, equipment shelter, emergency generator, radio/network equipment, and services.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Topaz Capital Programs	-	-	\$574,063	\$988,024	-	-	-	\$1,562,087
	<b>Sum:</b>	-	-	<b>\$574,063</b>	<b>\$988,024</b>	-	-	-	<b>\$1,562,087</b>

**TOPAZ System of Systems Networking (CP0438)****CITYWIDE**

Install system-of-systems networking to allow radio networks to connect automatically with other similar radio networks. This allows radio users to utilize the resources of multiple systems to deliver public safety services efficiently.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Topaz Capital Programs	-	\$619,500	-	-	-	-	-	\$619,500
	<b>Sum:</b>	-	<b>\$619,500</b>	-	-	-	-	-	<b>\$619,500</b>

**TOPAZ West Side Coverage Solution for the Topaz Network (CP0810)****CITYWIDE**

Implement a west side TOPAZ coverage solution to improve radio and network coverage on the far west side of the Phoenix Metropolitan Area.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Topaz Capital Programs	-	-	-	\$391,103	-	-	-	\$391,103
	<b>Sum:</b>	-	-	-	<b>\$391,103</b>	-	-	-	<b>\$391,103</b>

**West Side Coverage Solution for Topaz Network - Mesa Share (CN0059)****CITYWIDE**

Fund Mesa's cost share of implementing a west side TOPAZ coverage solution to improve radio and network coverage on the far west side of the Phoenix Metropolitan Area.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Capital - General Fund	-	-	-	\$293,327	-	-	-	\$293,327
	<b>Sum:</b>	-	-	-	<b>\$293,327</b>	-	-	-	<b>\$293,327</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Communications****Wireless Backhaul Microwaves (CP0093)****CITYWIDE**

Replace the point-to-point microwave radio infrastructure, which provides voice and data services to the regional public safety communications network, fire stations, and other City facilities.

		Estimated Exp					Future Years		
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	Capital - General Fund	\$167,593	\$142,868	-	-	-	-	-	\$310,461
	Topaz Capital Programs	\$167,593	\$142,868	-	-	-	-	-	\$310,461
	<b>Sum:</b>	<b>\$335,186</b>	<b>\$285,736</b>	-	-	-	-	-	<b>\$620,922</b>

**Wireless Backhaul Mircowaves - Mesa Share (CN0034)****CITYWIDE**

Fund Mesa's cost share to replace the point-to-point microwave radio infrastructure, which provides voice and data services to the regional public safety communications network, fire stations, and other City facilities.

		Estimated Exp					Future Years		
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	Capital - General Fund	\$100,365	\$309,159	-	-	-	-	-	\$409,524
	<b>Sum:</b>	<b>\$100,365</b>	<b>\$309,159</b>	-	-	-	-	-	<b>\$409,524</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**District Cooling****Chiller Redundancy Connections (CP0724)****COUNCIL DISTRICT 4**

Equip buildings connected to the district cooling system with temporary chiller hook-ups in the event the district cooling system is unavailable.

		Estimated Exp						Future Years	
	Fund	Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	District Cooling	-	\$40,000	-	-	-	-	-	\$40,000
	<b>Sum:</b>	-	\$40,000	-	-	-	-	-	\$40,000

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Electric****Electric Distribution Overhead (CP0458)****CITYWIDE**

Install system enhancements to ensure electric system reliability. Improvements may include replacement of electrical overhead conductors, transformers, distribution poles and devices to increase reliability and reduce operating costs.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Electric Bond	\$1,694,435	\$577,475	\$416,026	-	-	-	-	\$2,687,936
	2020 Electric Bond	-	-	-	\$630,326	\$646,800	\$663,812	\$681,305	\$2,622,243
	Future Electric Bond	-	-	-	-	-	-	\$1,415,087	\$1,415,087
	<b>Sum:</b>	<b>\$1,694,435</b>	<b>\$577,475</b>	<b>\$416,026</b>	<b>\$630,326</b>	<b>\$646,800</b>	<b>\$663,812</b>	<b>\$2,096,392</b>	<b>\$6,725,266</b>

**Electric Distribution Underground (CP0459)****CITYWIDE**

Provide various system improvements to include underground conductor installation, cable replacement, vault lid replacement and replacement of miscellaneous devices. These improvements are planned over several fiscal years.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Electric Bond	\$830,072	\$536,614	\$549,806	-	-	-	-	\$1,916,492
	2020 Electric Bond	-	-	-	\$2,596,466	\$2,664,327	\$2,701,965	\$2,773,166	\$10,735,924
	Future Electric Bond	-	-	-	-	-	-	\$5,759,932	\$5,759,932
	<b>Sum:</b>	<b>\$830,072</b>	<b>\$536,614</b>	<b>\$549,806</b>	<b>\$2,596,466</b>	<b>\$2,664,327</b>	<b>\$2,701,965</b>	<b>\$8,533,098</b>	<b>\$18,412,348</b>

**Electric Generation (CP0082)****CITYWIDE**

Identify power supply resources, including solar power, that can be owned in whole or in part by the City of Mesa. Alternatives are being explored to improve the reliability and/or efficiency of the electric utility service.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Electric Bond	-	\$292,793	\$299,615	-	-	-	-	\$592,408
	2020 Electric Bond	-	-	-	\$308,077	\$316,129	\$324,444	\$332,993	\$1,281,643
	Future Electric Bond	-	-	-	-	-	-	\$691,636	\$691,636
	<b>Sum:</b>	<b>-</b>	<b>\$292,793</b>	<b>\$299,615</b>	<b>\$308,077</b>	<b>\$316,129</b>	<b>\$324,444</b>	<b>\$1,024,629</b>	<b>\$2,565,687</b>

**Electric Metering (CP0435)****CITYWIDE**

Replace electric service meters based on 20-year lifecycle criteria. In addition, replace meters based on known issues, such as potential coils that improperly register energy consumption.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	Utility Replacement Extension and Renewal	\$141,051	-	-	-	-	-	-	\$141,051
	Utility Replacement Extension and Renewal - ELC	\$300,323	\$456,353	\$466,016	\$505,362	\$504,588	\$507,445	\$1,602,568	\$4,342,655
	<b>Sum:</b>	<b>\$441,374</b>	<b>\$456,353</b>	<b>\$466,016</b>	<b>\$505,362</b>	<b>\$504,588</b>	<b>\$507,445</b>	<b>\$1,602,568</b>	<b>\$4,483,706</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Electric****Electric Smart Grid (CP0081)****CITYWIDE**

Replace obsolete technology to improve system reliability and improve the ability to identify problems quickly and respond efficiently.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Electric Bond	-	\$275,225	\$119,845	-	-	-	-	\$395,070
	2020 Electric Bond	-	-	-	\$123,230	-	-	-	\$123,230
	<b>Sum:</b>	-	<b>\$275,225</b>	<b>\$119,845</b>	<b>\$123,230</b>	-	-	-	<b>\$518,300</b>

**Electric Substation Improvements (CP0461)****CITYWIDE**

Construct improvements at electric substations to ensure long-term system reliability. These improvements will meet safety standards and improve security at the facilities.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Electric Bond	\$1,225,955	\$2,568,962	-	-	-	-	-	\$3,794,917
	Utility Replacement Extension and Renewal	\$67,333	-	-	-	-	-	-	\$67,333
	<b>Sum:</b>	<b>\$1,293,287</b>	<b>\$2,568,962</b>	-	-	-	-	-	<b>\$3,862,249</b>

**Electric Systems Retirements (CP0591)****CITYWIDE**

Replace electric system infrastructure to ensure reliability.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	Electric	\$11,192	\$220,989	\$119,845	\$123,230	\$126,451	\$129,778	\$409,852	\$1,141,337
	<b>Sum:</b>	<b>\$11,192</b>	<b>\$220,989</b>	<b>\$119,845</b>	<b>\$123,230</b>	<b>\$126,451</b>	<b>\$129,778</b>	<b>\$409,852</b>	<b>\$1,141,337</b>

**New Electric Services (CP0534)****CITYWIDE**

Install new electrical service wires for new customers and provide for system expansion. It will also replace existing electrical service wires to increase reliability. These improvements are planned over several fiscal years.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Electric Bond	\$1,014,195	\$392,761	\$394,330	-	-	-	-	\$1,801,286
	2020 Electric Bond	-	-	-	\$1,232,305	\$1,264,513	\$1,297,773	\$1,331,971	\$5,126,562
	Future Electric Bond	-	-	-	-	-	-	\$2,766,537	\$2,766,537
	<b>Sum:</b>	<b>\$1,014,195</b>	<b>\$392,761</b>	<b>\$394,330</b>	<b>\$1,232,305</b>	<b>\$1,264,513</b>	<b>\$1,297,773</b>	<b>\$4,098,508</b>	<b>\$9,694,385</b>

**Substation to Park Conversion (CP0522)****CITYWIDE**

Construct pocket park and solar generation at the former Extension substation site.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Electric Bond	\$2,218	\$191,572	-	-	-	-	-	\$193,790
	Electric	\$41,984	\$114,837	-	-	-	-	-	\$156,821
	<b>Sum:</b>	<b>\$44,202</b>	<b>\$306,409</b>	-	-	-	-	-	<b>\$350,611</b>



**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Environment and Sustainability****Food to Energy Project (CP0870)****CITYWIDE**

Use inhouse resources and consultants to conduct a study to evaluate the technical and financial feasibility of an anaerobic digestion food waste to energy program and determine whether to move forward with a pilot-scale program.

		Estimated Exp					Future Years		Totals
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	
Capital	Environmental Compliance Fee	-	\$400,000	-	-	-	-	-	\$400,000
<b>Sum:</b>		-	\$400,000	-	-	-	-	-	\$400,000

**Household Hazardous Waste Facility (CP0588)****COUNCIL DISTRICT 1**

Construct a permanent HHW Facility to better serve city residents.

		Estimated Exp					Future Years		Totals
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	
Capital	1994 Solid Waste Bond	\$1,138,274	\$2,605,623	-	-	-	-	-	\$3,743,897
	Environmental Compliance Fee	\$337,235	\$31,491	-	-	-	-	-	\$368,726
O&M	Environmental Compliance Fee	-	-	-	-	-	-	-	-
<b>Sum:</b>		\$1,475,509	\$2,637,114	-	-	-	-	-	\$4,112,623

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Falcon Field Airport****Acute Angle Taxiways (CP0416)****COUNCIL DISTRICT 5**

Construct High-Speed Exits on runway 4L/22R to provide increased safety and operational flexibility.

		Estimated Exp					Future Years		
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	Falcon Field Airport	\$13,314	\$117,248	-	-	-	-	-	\$130,562
	Falcon Field Grants	\$83,861	\$1,182,752	-	-	-	-	-	\$1,266,613
	General Fund	\$149	-	-	-	-	-	-	\$149
	<b>Sum:</b>	<b>\$97,323</b>	<b>\$1,300,000</b>	-	-	-	-	-	<b>\$1,397,323</b>

**Airfield Lighting and Signage Upgrade (CP0114)****COUNCIL DISTRICT 5**

Replace runway and taxiway lighting with newer light-emitting diode (LED) lights to reduce electrical and maintenance costs.

		Estimated Exp					Future Years		
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	Falcon Field Airport	\$204,248	\$86,228	-	-	-	-	-	\$290,476
	Falcon Field Grants	\$410,032	\$1,638,293	-	-	-	-	-	\$2,048,325
	<b>Sum:</b>	<b>\$614,280</b>	<b>\$1,724,521</b>	-	-	-	-	-	<b>\$2,338,801</b>

**Airport Historic Zone Improvements (C09036)****COUNCIL DISTRICT 5**

Construct improvements to the landscaping, streetscaping, public viewing area and airport signage as part of the continuing efforts to enhance the quality and appearance of Falcon Field Airport.

		Estimated Exp					Future Years		
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	2014 Wastewater Bond	\$38,444	-	-	-	-	-	-	\$38,444
	Falcon Field Airport	\$1,551,320	\$778,839	\$268,616	-	-	-	-	\$2,598,775
	<b>Sum:</b>	<b>\$1,589,764</b>	<b>\$778,839</b>	<b>\$268,616</b>	-	-	-	-	<b>\$2,637,219</b>

**Apron Lighting (C06033)****COUNCIL DISTRICT 5**

Construct apron lighting along the full length of the ramp south of Taxiway D to provide visibility at night.

		Estimated Exp					Future Years		
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	Falcon Field Airport	-	-	\$126,267	-	-	-	-	\$126,267
	Falcon Field Grants	-	-	\$1,273,733	-	-	-	-	\$1,273,733
	<b>Sum:</b>	-	-	<b>\$1,400,000</b>	-	-	-	-	<b>\$1,400,000</b>

**Automated Surface Observing System (ASOS) (C10470)****COUNCIL DISTRICT 5**

Construct a concrete pad and electrical lines for an Automated Surface Observing System (ASOS) that is being installed by the Federal Aviation Administration (FAA) to improve the weather reporting capabilities at the airport.

		Estimated Exp					Future Years		
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	Falcon Field Airport	\$144,797	\$4,303	-	-	-	-	-	\$149,100
	<b>Sum:</b>	<b>\$144,797</b>	<b>\$4,303</b>	-	-	-	-	-	<b>\$149,100</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Falcon Field Airport****Blast Pads for Runway 4L-22R (C07044)****COUNCIL DISTRICT 5**

Construct blast pads for Runway 4L-22R to reduce the erosive effects of jet blast and propeller wash.

		Estimated Exp						Future Years	
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	Falcon Field Airport	\$39,733	\$31,585	-	-	-	-	-	\$71,318
	Falcon Field Grants	\$250,113	\$179,850	-	-	-	-	-	\$429,963
	<b>Sum:</b>	<b>\$289,846</b>	<b>\$211,435</b>	-	-	-	-	-	<b>\$501,281</b>

**City Owned Buildings and Property Improvements (CP0763)****COUNCIL DISTRICT 5**

Construct needed improvements to City-owned buildings and property at Falcon Field.

		Estimated Exp						Future Years	
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	Falcon Field Airport	\$28,062	\$287,970	\$161,170	\$165,722	\$170,053	\$174,526	\$551,171	\$1,538,674
	<b>Sum:</b>	<b>\$28,062</b>	<b>\$287,970</b>	<b>\$161,170</b>	<b>\$165,722</b>	<b>\$170,053</b>	<b>\$174,526</b>	<b>\$551,171</b>	<b>\$1,538,674</b>

**East Side Improvements (CP0690)****COUNCIL DISTRICT 5**

Construct landscaping, lighting, signage and other features on east side of airport near Higley.

		Estimated Exp						Future Years	
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	Falcon Field Airport	-	-	-	\$439,331	\$1,059,279	-	-	\$1,498,610
	<b>Sum:</b>	-	-	-	<b>\$439,331</b>	<b>\$1,059,279</b>	-	-	<b>\$1,498,610</b>

**Eastside Taxilane (C06020)****COUNCIL DISTRICT 5**

Construct the taxiway across Roadrunner Drive to provide aircraft access to the land located on the east side of the airport. This area is currently not accessible by aircraft. Improvements include new storm drain lines, and cul-de-sacs.

		Estimated Exp						Future Years	
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	Falcon Field Airport	-	-	-	-	\$42,858	\$255,199	-	\$298,057
	Falcon Field Grants	-	-	-	-	\$257,142	\$2,574,350	-	\$2,831,492
	<b>Sum:</b>	-	-	-	-	<b>\$300,000</b>	<b>\$2,829,549</b>	-	<b>\$3,129,549</b>

**Falcon Field Master Plan (CP0256)****COUNCIL DISTRICT 5**

Update the master plan document used to identify the ultimate development of the airport for a twenty year period.

		Estimated Exp						Future Years	
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	Falcon Field Airport	\$13,434	\$75,640	-	-	-	-	-	\$89,074
	Falcon Field Grants	\$167,266	\$477,855	-	-	-	-	-	\$645,121
	<b>Sum:</b>	<b>\$180,700</b>	<b>\$553,495</b>	-	-	-	-	-	<b>\$734,195</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Falcon Field Airport****Falcon Field Runway 4L22R (CP0761)****COUNCIL DISTRICT 5**

Reconstruct Runway 4L/22R to increase load bearing capacity.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Falcon Field Airport	-	-	-	-	-	\$106,427	-	\$106,427
	Falcon Field Grants	-	-	-	-	-	\$638,573	-	\$638,573
	<b>Sum:</b>	-	-	-	-	-	\$745,000	-	\$745,000

**Falcon Tech Center (CP0746)****COUNCIL DISTRICT 5**

Complete environmental assessment for the removal of orange grove trees west of the airport to allow for economic development opportunities.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Falcon Field Airport	\$143,734	\$19,757	-	-	-	-	-	\$163,491
	<b>Sum:</b>	\$143,734	\$19,757	-	-	-	-	-	\$163,491

**Relocation of Taxiway E/FSL (CP0760)****COUNCIL DISTRICT 5**

Relocate taxiway E to conform to future safety design standards.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Falcon Field Airport	-	-	-	-	\$64,190	-	\$349,201	\$413,391
	Falcon Field Grants	-	-	-	-	\$647,530	-	\$3,522,616	\$4,170,146
	<b>Sum:</b>	-	-	-	-	\$711,720	-	\$3,871,817	\$4,583,537

**Runway 22R Approach Easement (CP0400)****COUNCIL DISTRICT 5**

Acquire aviation easement for Runway 22R Approach.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Falcon Field Airport	-	-	\$78,069	-	-	-	-	\$78,069
	Falcon Field Grants	-	-	\$468,419	-	-	-	-	\$468,419
	<b>Sum:</b>	-	-	\$546,488	-	-	-	-	\$546,488

**Runway Protection Zone Improvements (CP0398)****COUNCIL DISTRICT 5**

Conduct environmental assesment and remove tree groves in runway 4L/4R protection zones to improve safety.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Falcon Field Airport	\$18,583	-	\$18,038	\$108,228	-	-	-	\$144,849
	Falcon Field Grants	-	-	\$181,962	\$1,091,772	-	-	-	\$1,273,734
	<b>Sum:</b>	\$18,583	-	\$200,000	\$1,200,000	-	-	-	\$1,418,583

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Falcon Field Airport****Stormwater Drainage Plan Update (C06029)****COUNCIL DISTRICT 5**

Update the airport's 1998 Stormwater Drainage Plan. This effort will update the drainage plan to reflect current conditions due to construction and development that has occurred on the airport.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Falcon Field Airport	-	\$27,057	-	-	-	-	-	\$27,057
	Falcon Field Grants	-	\$272,943	-	-	-	-	-	\$272,943
	<b>Sum:</b>	-	<b>\$300,000</b>	-	-	-	-	-	<b>\$300,000</b>

**Taxiway C and Runway 4R Run-Up Area (CP0719)****COUNCIL DISTRICT 6**

Realign and construct taxiway C and runway 4R run-up area.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Falcon Field Airport	\$176,318	\$14,229	-	-	-	-	-	\$190,547
	Falcon Field Grants	\$1,958,003	\$140,415	-	-	-	-	-	\$2,098,418
	<b>Sum:</b>	<b>\$2,134,322</b>	<b>\$154,644</b>	-	-	-	-	-	<b>\$2,288,966</b>

**Taxiway C Run-Up Area (CP0691)****COUNCIL DISTRICT 5**

Pave run-up area near taxiway C to provide additional run-up area to meet future demand.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Falcon Field Airport	-	-	-	\$16,448	\$132,366	-	-	\$148,814
	Falcon Field Grants	-	-	-	\$165,922	\$1,335,264	-	-	\$1,501,186
	<b>Sum:</b>	-	-	-	<b>\$182,370</b>	<b>\$1,467,630</b>	-	-	<b>\$1,650,000</b>

**Wash Rack Shade Structure (C07039)****COUNCIL DISTRICT 5**

Construct a shade structure over the existing aircraft wash rack. This project is part of a continuing effort to enhance the utility and quality of Falcon Field.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Falcon Field Airport	\$677,346	\$36,318	-	-	-	-	-	\$713,664
	<b>Sum:</b>	<b>\$677,346</b>	<b>\$36,318</b>	-	-	-	-	-	<b>\$713,664</b>

**Waste Container Enclosures (CP0762)****COUNCIL DISTRICT 5**

Install a walled structure with gates around trash containers to provide a visual barrier between public areas and trash containers.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Falcon Field Airport	\$176,953	\$93,000	-	-	-	-	-	\$269,953
	<b>Sum:</b>	<b>\$176,953</b>	<b>\$93,000</b>	-	-	-	-	-	<b>\$269,953</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Fire****Fire Apparatus (CN0002)****CITYWIDE**

Purchase replacement Fire Apparatus for units that are due for replacement and currently still in service. These purchases are based off of the Fire Maintenance Apparatus Replacement Schedule that identifies when replacement is necessary.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2013 Public Safety Bond	\$3,967,591	\$10,344	-	-	-	-	-	\$3,977,935
	Capital - General Fund	\$254,050	\$629	-	-	-	-	-	\$254,679
	<b>Sum:</b>	<b>\$4,221,640</b>	<b>\$10,973</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$4,232,613</b>

**Fire Apparatus (CN0055)****CITYWIDE**

Purchase replacement Fire Apparatus for units that are due for replacement and currently still in service. These purchases are based off of the Fire Maintenance apparatus replacement schedule that identifies when replacement is necessary.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2018 Public Safety Bond	-	\$5,801,363	\$5,828,643	\$4,644,604	\$4,060,062	\$5,258,479	-	\$25,593,151
	Capital - General Fund	-	\$804,107	\$546,146	\$620,635	\$772,342	\$1,631,346	\$2,784,164	\$7,158,740
	Future Public Safety Bond	-	-	-	-	-	-	\$19,086,956	\$19,086,956
	<b>Sum:</b>	<b>-</b>	<b>\$6,605,470</b>	<b>\$6,374,789</b>	<b>\$5,265,239</b>	<b>\$4,832,404</b>	<b>\$1,631,346</b>	<b>\$21,871,120</b>	<b>\$46,580,368</b>

**Fire Station 221: Eastmark (CP0102)****COUNCIL DISTRICT 6**

Construct a fire station in the Eastmark development in southeast Mesa. With population growth there is a need for a fire station to respond to the increased call volumes.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2018 Public Safety Bond	-	-	\$3,042,315	-	-	-	-	\$3,042,315
	Restricted Programs Fund	\$562	\$733,635	\$4,766,651	-	-	-	-	\$5,500,848
O&M	Funding To Be Determined	-	-	\$1,932,960	\$1,751,189	\$1,808,604	\$1,850,489	\$5,739,208	\$13,082,450
	<b>Sum:</b>	<b>\$562</b>	<b>\$733,635</b>	<b>\$9,741,926</b>	<b>\$1,751,189</b>	<b>\$1,808,604</b>	<b>\$1,850,489</b>	<b>\$5,739,208</b>	<b>\$21,625,613</b>

**Fire Station 222: Power Road (C10119)****COUNCIL DISTRICT 6**

Build a new fire station in east Mesa to meet current and future Fire and Medical operational needs.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2018 Public Safety Bond	-	-	\$3,368,830	\$12,290,317	-	-	-	\$15,659,147
O&M	Funding To Be Determined	-	-	-	\$2,001,393	\$1,811,092	\$1,853,042	\$5,747,270	\$11,412,797
	<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>\$3,368,830</b>	<b>\$14,291,710</b>	<b>\$1,811,092</b>	<b>\$1,853,042</b>	<b>\$5,747,270</b>	<b>\$27,071,944</b>

**Capital Improvement Program Project Funding Summary  
Fiscal Years 2019 - 2023**

**Fire****Mesa Regional Dispatch and Emergency Operations Center (CP0340)****CITYWIDE**

Complete construct activities at the new Mesa Fire and Medical Regional Dispatch Center and Emergency Operations center.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2004 Fire Bond	\$45,856	-	-	-	-	-	-	\$45,856
	2008 Public Safety Bond	\$1,000,000	-	-	-	-	-	-	\$1,000,000
	2013 Public Safety Bond	\$7,849,816	\$19,524	-	-	-	-	-	\$7,869,340
	Capital - General Fund	\$246,167	-	-	-	-	-	-	\$246,167
	Grants - Gen. Gov.	\$495,857	-	-	-	-	-	-	\$495,857
	<b>Sum:</b>	<b>\$9,637,696</b>	<b>\$19,524</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$9,657,220</b>

**Public Safety Training Facility Burn Tower Renovation (CP0858)****COUNCIL DISTRICT 5**

Repair and replace outdated burn tower building components.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2013 Public Safety Bond	\$8,528	\$399,796	-	-	-	-	-	\$408,324
	2018 Public Safety Bond	-	-	-	-	-	-	\$691,888	\$691,888
	<b>Sum:</b>	<b>\$8,528</b>	<b>\$399,796</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$691,888</b>	<b>\$1,100,212</b>

**Public Safety Training Facility Improvements: Burn Room (CP0096)****COUNCIL DISTRICT 5**

Remodel the existing burn room and expand the facilities to allow for training involving other combustible material such as natural gas.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2013 Public Safety Bond	\$712,430	\$1,070,596	-	-	-	-	-	\$1,783,026
	<b>Sum:</b>	<b>\$712,430</b>	<b>\$1,070,596</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,783,026</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Intelligent Transportation System**

**Central Traffic Signal System (CP0655)**

**CITYWIDE**

Replace central traffic signal system for the City's Traffic Management Center.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Local Streets Fund	-	-	-	\$718,127	-	-	-	\$718,127
<b>Sum:</b>		-	-	-	\$718,127	-	-	-	\$718,127

**East Valley Arterial Congestion Monitoring (CP0419)**

**CITYWIDE**

Install a congestion monitoring and travel time system for deployment within the jurisdictions participating in this project to include Mesa, Tempe, and Gilbert. The project includes sensors installed at approximately one-mile increments.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Grants - Gen. Gov.	\$616,156	\$39,229	-	-	-	-	-	\$655,385
	Local Streets Fund	\$146,845	\$111,692	-	-	-	-	-	\$258,537
<b>Sum:</b>		\$763,001	\$150,921	-	-	-	-	-	\$913,922

**Traffic Signal Cabinet and Controllers Upgrade in East Mesa (CP0653)**

**CITYWIDE**

Install citywide new traffic signal cabinets and controllers to more effectively manage traffic.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Grants - Gen. Gov.	-	\$780,000	-	-	-	-	-	\$780,000
	Local Streets Fund	\$67,767	\$615,639	-	-	-	-	-	\$683,406
<b>Sum:</b>		\$67,767	\$1,395,639	-	-	-	-	-	\$1,463,406

**Traffic Signals - New and Upgrade (CP0586)**

**CITYWIDE**

Install new signals and upgrade existing signals.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Capital - General Fund	\$79,134	\$126,169	-	-	-	-	-	\$205,303
	Local Streets Fund	\$968,591	\$3,686,705	\$1,611,182	\$1,656,685	\$1,699,984	\$1,744,699	\$5,509,949	\$16,877,795
O&M	Highway User Revenue Fund	-	\$27,750	\$28,397	\$29,199	\$29,962	\$30,750	\$97,111	\$243,169
<b>Sum:</b>		\$1,047,725	\$3,840,624	\$1,639,579	\$1,685,884	\$1,729,946	\$1,775,449	\$5,607,060	\$17,326,267

**Traffic Signals - Public Safety Opticom (CP0702)**

**CITYWIDE**

Install public safety opticom technology on traffic signals.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Local Streets Fund	\$31,736	\$737,797	\$102,330	\$105,220	\$107,970	\$110,810	\$349,950	\$1,545,813
<b>Sum:</b>		\$31,736	\$737,797	\$102,330	\$105,220	\$107,970	\$110,810	\$349,950	\$1,545,813



**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Natural Gas Aging Infrastructure****Gas Aging Infrastructure Replacement (CP0483)****CITYWIDE**

Replace necessary gas system infrastructure identified during the annual survey.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Gas Bond	\$3,731,007	\$2,183,598	\$2,053,141	-	-	-	-	\$7,967,746
	2020 Gas Bond	-	-	-	\$3,721,836	\$3,764,189	\$3,992,152	\$4,167,824	\$15,646,001
	Future Gas Bond	-	-	-	-	-	-	\$8,880,949	\$8,880,949
	<b>Sum:</b>	<b>\$3,731,007</b>	<b>\$2,183,598</b>	<b>\$2,053,141</b>	<b>\$3,721,836</b>	<b>\$3,764,189</b>	<b>\$3,992,152</b>	<b>\$13,048,773</b>	<b>\$32,494,696</b>

**Gas Line Retirements (CP0563)****CITYWIDE**

Remove gas mains and services that are no longer needed to support the natural gas system. Inclusion of this project will ensure operational integrity of the natural gas pipeline system and the reliability of a safe energy resource to our customers.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Natural Gas	\$371,548	\$142,841	\$121,894	\$125,337	\$128,613	\$131,996	\$416,858	\$1,439,087
	<b>Sum:</b>	<b>\$371,548</b>	<b>\$142,841</b>	<b>\$121,894</b>	<b>\$125,337</b>	<b>\$128,613</b>	<b>\$131,996</b>	<b>\$416,858</b>	<b>\$1,439,087</b>

**Gas Main Replacements - Magma Service Area (CP0482)****CITYWIDE**

Upgrade the existing Magma system to reduce maintenance problems and ensure operational integrity of the natural gas pipeline system.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Gas Bond	\$115	\$587,853	\$640,655	-	-	-	-	\$1,228,623
	2020 Gas Bond	-	-	-	\$702,815	\$770,898	\$844,100	\$924,296	\$3,242,109
	Future Gas Bond	-	-	-	-	-	-	\$2,117,572	\$2,117,572
	<b>Sum:</b>	<b>\$115</b>	<b>\$587,853</b>	<b>\$640,655</b>	<b>\$702,815</b>	<b>\$770,898</b>	<b>\$844,100</b>	<b>\$3,041,868</b>	<b>\$6,588,304</b>

**Gas Meters New and Replacement (CP0711)****CITYWIDE**

Install gas meters citywide.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Gas Bond	\$1,357,394	\$446,023	\$454,502	-	-	-	-	\$2,257,919
	2020 Gas Bond	-	-	-	\$493,932	\$492,621	\$505,578	\$518,901	\$2,011,032
	Future Gas Bond	-	-	-	-	-	-	\$1,077,771	\$1,077,771
	<b>Sum:</b>	<b>\$1,357,394</b>	<b>\$446,023</b>	<b>\$454,502</b>	<b>\$493,932</b>	<b>\$492,621</b>	<b>\$505,578</b>	<b>\$1,596,672</b>	<b>\$5,346,722</b>

**Gas Meters: New and Replacement (CP0496)****CITYWIDE**

Install gas meters citywide.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Utility Replacement Extension and Renewal Utility Replacement Extension and Renewal - GAS	\$571,672	-	-	-	-	-	-	\$571,672
		\$959,791	\$446,023	\$454,502	\$493,932	\$492,621	\$505,578	\$1,596,672	\$4,949,119
	<b>Sum:</b>	<b>\$1,531,463</b>	<b>\$446,023</b>	<b>\$454,502</b>	<b>\$493,932</b>	<b>\$492,621</b>	<b>\$505,578</b>	<b>\$1,596,672</b>	<b>\$5,520,791</b>

**Capital Improvement Program Project Funding Summary  
Fiscal Years 2019 - 2023**

**Natural Gas Aging Infrastructure**

**High Pressure Gas Main Installations (CP0442)**

**CITYWIDE**

Install high pressure gas main to meet anticipated growth of the City.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Gas Bond	\$177,328	\$839,108	\$901,593	-	-	-	-	\$1,918,029
	2020 Gas Bond	-	-	-	\$973,409	\$1,048,792	\$1,130,198	\$1,217,979	\$4,370,378
	Future Gas Bond	-	-	-	-	-	-	\$2,720,370	\$2,720,370
	<b>Sum:</b>	<b>\$177,328</b>	<b>\$839,108</b>	<b>\$901,593</b>	<b>\$973,409</b>	<b>\$1,048,792</b>	<b>\$1,130,198</b>	<b>\$3,938,349</b>	<b>\$9,008,777</b>

**McKellips Road Gas Line: Lindsay to Val Vista (C10374)**

**COUNCIL DISTRICT 1**

Install high and intermediate pressure gas main to ensure operational integrity of the natural gas system.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Gas Bond	-	-	-	-	\$126,857	\$1,549,102	-	\$1,675,959
	<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$126,857</b>	<b>\$1,549,102</b>	<b>-</b>	<b>\$1,675,959</b>

**McKellips Road Natural Gas Line: Country Club to Loop 202 (CP0221)**

**COUNCIL DISTRICT 1**

Purchase and install intermediate pressure gas main for service along McKellips Road.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Gas Bond	-	-	-	\$29,297	\$354,746	-	-	\$384,043
	<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$29,297</b>	<b>\$354,746</b>	<b>-</b>	<b>-</b>	<b>\$384,043</b>

**Replace Aging Utility Infrastructure (CP0649)**

**CITYWIDE**

Replace less efficient utility lines or lines that are beyond their support lifecycle. Timely replacement will help avoid service disruptions.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Gas Bond	-	-	-	\$1,996,134	-	-	-	\$1,996,134
	2020 Wastewater Bond	-	-	-	\$581,673	\$6,565,860	-	-	\$7,147,533
	2020 Water Bond	-	-	-	\$558,445	\$5,902,321	-	-	\$6,460,766
	<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$3,136,252</b>	<b>\$12,468,181</b>	<b>-</b>	<b>-</b>	<b>\$15,604,433</b>

**Rio Salado Parkway Utility Line Replacement (C10385)**

**COUNCIL DISTRICT 1**

Replace intermediate pressure gas main to ensure operational integrity of the natural gas system in Mesa.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Gas Bond	-	-	-	\$81,545	-	-	-	\$81,545
	2020 Water Bond	-	-	-	\$461,859	-	-	-	\$461,859
	<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$543,404</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$543,404</b>

**Capital Improvement Program Project Funding Summary**  
Fiscal Years 2019 - 2023

**Natural Gas Aging Infrastructure****SCADA System for the Natural Gas Distribution System (C01886)****CITYWIDE**

Install a Supervisory Control & Data Acquisition (SCADA) system to control and monitor all natural gas remote facilities.

Natural gas remote facilities are currently monitored manually, which leads to inefficiencies and safety hazards.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2010 Gas Bond	\$100	-	-	-	-	-	-	\$100
	2014 Gas Bond	\$100,473	\$142,943	-	-	-	-	-	\$243,416
	<b>Sum:</b>	<b>\$100,573</b>	<b>\$142,943</b>	-	-	-	-	-	<b>\$243,516</b>

**Stapley Road Utility Line: University to McKellips (CP0219)****CITYWIDE**

Replace gas line along Stapley Drive to ensure operational reliability of the natural gas system.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Gas Bond	-	-	-	\$97,897	\$2,324,800	-	-	\$2,422,697
	<b>Sum:</b>	-	-	-	<b>\$97,897</b>	<b>\$2,324,800</b>	-	-	<b>\$2,422,697</b>

**University Drive Utility Line: Alma School to Country Club (CP0220)****CITYWIDE**

Construct system improvements along University Drive to ensure operational reliability of the natural gas system.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2010 Gas Bond	-	-	\$35,718	-	-	-	-	\$35,718
	2020 Gas Bond	-	-	-	\$902,876	-	-	-	\$902,876
	<b>Sum:</b>	-	-	<b>\$35,718</b>	<b>\$902,876</b>	-	-	-	<b>\$938,594</b>

**Utility Line Replacement in Quarter Sections 12B & 12D (C10584)****COUNCIL DISTRICT 3**

Replace aging main and service lines in plat quarter section 12B and 12D.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2010 Gas Bond	-	-	\$290,079	-	-	-	-	\$290,079
	2020 Gas Bond	-	-	-	\$5,248,717	-	-	-	\$5,248,717
	2020 Wastewater Bond	-	-	-	-	-	\$614,666	\$7,008,878	\$7,623,544
	<b>Sum:</b>	-	-	<b>\$290,079</b>	<b>\$5,248,717</b>	-	<b>\$614,666</b>	<b>\$7,008,878</b>	<b>\$13,162,340</b>

**Utility Line Replacement in Quarter Sections 14A & 14C (C10585)****CITYWIDE**

Replace aging main and service lines in plat quarter section 14A and 14C.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2010 Gas Bond	-	-	\$396,685	-	-	-	-	\$396,685
	2020 Gas Bond	-	-	-	\$6,318,681	-	-	-	\$6,318,681
	<b>Sum:</b>	-	-	<b>\$396,685</b>	<b>\$6,318,681</b>	-	-	-	<b>\$6,715,366</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Natural Gas Aging Infrastructure****Utility Line Replacement in Quarter Sections 20A & 20B (C10381)****COUNCIL DISTRICT 1**

Replace aging main and service lines in plat quarter section 20A and 20B.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2020 Gas Bond	-	-	-	\$79,910	\$1,344,079	-	-	\$1,423,989
	2020 Water Bond	-	-	-	\$710,796	\$7,512,544	-	-	\$8,223,340
	<b>Sum:</b>	-	-	-	\$790,706	\$8,856,623	-	-	\$9,647,329

**Utility Line Replacement Quarter Section 21D, Clark, Pepper (C10382)****COUNCIL DISTRICT 4**

Replace aging main and service lines in plat quarter section 21D.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2020 Gas Bond	-	-	-	\$996,892	-	-	-	\$996,892
	2020 Water Bond	-	-	-	\$477,590	\$5,047,747	-	-	\$5,525,337
	<b>Sum:</b>	-	-	-	\$1,474,482	\$5,047,747	-	-	\$6,522,229

**Utility Line Replacement Quarter Sections 13C, 21A, & 20D (C10380)****CITYWIDE**

Replace aging main and service lines in plat quarter section 13C, 21A and 20D.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2010 Gas Bond	-	\$1,546,434	-	-	-	-	-	\$1,546,434
	<b>Sum:</b>	-	\$1,546,434	-	-	-	-	-	\$1,546,434

**Warner Road Utility Infrastructure: Power to Sossaman (C10562)****COUNCIL DISTRICT 6**

Replace aging infrastructure to avoid service disruption in the area.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2020 Gas Bond	-	-	-	\$187,027	\$2,169,652	-	-	\$2,356,679
	2020 Water Bond	-	-	-	\$95,684	\$991,664	-	-	\$1,087,348
	<b>Sum:</b>	-	-	-	\$282,711	\$3,161,316	-	-	\$3,444,027

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Natural Gas Growth****Arizona Farms Road High Pressure Main & Gate Station (CP0517)****MAGMA**

Replace aging high pressure steel main along Arizona Farms Road to increase the effective capacity of the Clausen gate station in the Magma service area. This will allow Clausen gate station to be a more effective supply point.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Gas Bond	-	-	-	-	-	\$857,973	\$8,805,812	\$9,663,785
	<b>Sum:</b>	-	-	-	-	-	\$857,973	\$8,805,812	\$9,663,785

**EVIT CNG Fueling Station (CP0677)****COUNCIL DISTRICT 4**

Construct a Compressed Natural Gas (CNG) fueling facility to serve the community. The construction of this facility is in cooperation with the East Valley Institute of Technology campus on Main Street, west of Alma School Road.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Gas Bond	-	-	-	\$2,506,740	-	-	-	\$2,506,740
	<b>Sum:</b>	-	-	-	\$2,506,740	-	-	-	\$2,506,740

**Gas New Mains (CP0481)****CITYWIDE**

Extend gas mains and services to new subdivisions.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Gas Bond	\$2,904,163	\$2,982,045	\$3,356,472	-	-	-	-	\$9,242,680
	2020 Gas Bond	-	-	-	\$4,702,979	\$5,067,191	\$5,460,499	\$5,884,610	\$21,115,279
	Future Gas Bond	-	-	-	-	-	-	\$13,132,757	\$13,132,757
	<b>Sum:</b>	\$2,904,163	\$2,982,045	\$3,356,472	\$4,702,979	\$5,067,191	\$5,460,499	\$19,017,367	\$43,490,716

**Gas New Services (CP0480)****CITYWIDE**

Install gas lines in new subdivision developments throughout the City and Magma Service Area.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Gas Bond	\$3,283,633	\$2,751,006	\$2,955,861	-	-	-	-	\$8,990,500
	2020 Gas Bond	-	-	-	\$3,191,306	\$3,438,448	\$3,705,335	\$3,993,128	\$14,328,217
	Future Gas Bond	-	-	-	-	-	-	\$8,907,951	\$8,907,951
	<b>Sum:</b>	\$3,283,633	\$2,751,006	\$2,955,861	\$3,191,306	\$3,438,448	\$3,705,335	\$12,901,079	\$32,226,668

**Higley Regulator Station: McDowell to Thomas (CP0181)****COUNCIL DISTRICT 5**

Construct a regulator station and other system improvements to ensure operational reliability and expansion of the natural gas pipeline to customers in northeast Mesa.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Gas Bond	\$1,122	-	\$1,777,921	-	-	-	-	\$1,779,043
	<b>Sum:</b>	\$1,122	-	\$1,777,921	-	-	-	-	\$1,779,043

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Natural Gas Growth****Magma Utility Service Center (CP0071)****MAGMA**

Construct a satellite service center for employees, vehicles, materials, tools and equipment from the Natural Gas Division, the Utility Services Section and Gas Marketing to provide service and support to the gas system and customers in the area.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Gas Bond	-	-	-	\$564,017	-	-	-	<b>\$564,017</b>
	<b>Sum:</b>	-	-	-	<b>\$564,017</b>	-	-	-	<b>\$564,017</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Natural Gas System Reinforcement**  
**Regulator Station Security (C10388)**

**CITYWIDE**

Install on-site security systems to monitor and deter theft and sabotage of regulator station equipment.

		<b>Estimated Exp</b>						<b>Future Years</b>	
<b>Fund</b>		<b>Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>(3)</b>	<b>Totals</b>
Capital	2010 Gas Bond	\$28,432	-	-	-	-	-	-	\$28,432
	2014 Gas Bond	-	\$65,392	\$68,065	-	-	-	-	\$133,457
	2020 Gas Bond	-	-	-	\$71,193	\$74,311	\$77,575	\$80,989	\$304,068
	Future Gas Bond	-	-	-	-	-	-	\$172,638	\$172,638
	<b>Sum:</b>	\$28,432	\$65,392	\$68,065	\$71,193	\$74,311	\$77,575	\$253,627	\$638,595

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Parks & Recreation****City Center (CP0871)****COUNCIL DISTRICT 4**

Complete master planning and pre-design work for downtown including adaptive reuse of the City's IT Building.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	Capital - General Fund	\$2,924	\$468,351	-	-	-	-	-	\$471,275
	<b>Sum:</b>	<b>\$2,924</b>	<b>\$468,351</b>	-	-	-	-	-	<b>\$471,275</b>

**Cubs Facility Improvements (CP0723)****COUNCIL DISTRICT 1**

The City and the Chicago Cubs organization have agreed to periodically improve or upgrade Sloan Park and/or the Under Armor Performance Training Center for monument and directional signage around the site.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	Spring Training Bond Construction	\$302,264	\$74,422	-	-	-	-	-	\$376,686
	<b>Sum:</b>	<b>\$302,264</b>	<b>\$74,422</b>	-	-	-	-	-	<b>\$376,686</b>

**Eagles Park (CP0211)****COUNCIL DISTRICT 2**

Construct a community park on the former Mesa Junior High property with lighted multi-use/soccer fields, picnic ramadas, exercise stations, and a playground. The former gym is proposed for renovation into a community recreation center.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2012 Park Bond	\$1,476,454	\$3,220,605	-	-	-	-	-	\$4,697,059
	Capital - General Fund	\$34,009	\$14,274	-	-	-	-	-	\$48,283
	Community Development Block Grant	\$1,150,000	-	-	-	-	-	-	\$1,150,000
	Grants - Gen. Gov.	-	\$49,345	-	-	-	-	-	\$49,345
	Local Streets Fund	\$66,883	\$2,506,759	-	-	-	-	-	\$2,573,642
	Neighborhood Stabilization Program 1	\$2,317,584	\$761,535	-	-	-	-	-	\$3,079,119
O&M	Environmental Compliance Fee	-	-	-	-	-	-	-	-
	General Fund	-	-	-	-	-	-	-	-
	<b>Sum:</b>	<b>\$5,044,930</b>	<b>\$6,552,518</b>	-	-	-	-	-	<b>\$11,597,448</b>

**Engineering Park Irrigation Projects (CP0485)****CITYWIDE**

Upgrade existing irrigation systems/components at various park sites. Replacement systems and pumps are more efficient, and use less energy in shorter watering windows. Some sites are targeted for major renovations, many others for minor improvements.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2012 Park Bond	\$1,187,908	\$17,398	-	-	-	-	-	\$1,205,306
	Capital - General Fund	\$252,212	-	-	-	-	-	-	\$252,212
	<b>Sum:</b>	<b>\$1,440,120</b>	<b>\$17,398</b>	-	-	-	-	-	<b>\$1,457,518</b>



**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Parks & Recreation****Fiesta Sports Park (CP0009)****COUNCIL DISTRICT 3**

Construct improvements to the ballfield space around the former Powell Jr High. Improvements will include lighted softball and baseball fields, concession building, and restrooms.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2012 Park Bond	\$4,629,485	\$52,970	-	-	-	-	-	\$4,682,455
	Capital - General Fund	\$100,000	-	-	-	-	-	-	\$100,000
	<b>Sum:</b>	<b>\$4,729,485</b>	<b>\$52,970</b>	-	-	-	-	-	<b>\$4,782,455</b>

**Gene Autry Park Improvements (CP0559)****COUNCIL DISTRICT 5**

Update the existing playground to meet current safety and accessibility requirements, improve accessibility in the baseball complex restrooms, and modify the baseball field irrigation system to improve efficiency.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2012 Park Bond	\$385,299	\$19,808	-	-	-	-	-	\$405,107
	Capital - General Fund	\$3,464	-	-	-	-	-	-	\$3,464
	<b>Sum:</b>	<b>\$388,763</b>	<b>\$19,808</b>	-	-	-	-	-	<b>\$408,571</b>

**Greenfield Park Urban Fishing Lake (CP0010)****COUNCIL DISTRICT 2**

Expand the lake to create a five acre urban fishing lake and upgrade the playground at the existing Greenfield Park. Improvements will lower irrigation costs for the park landscaping while increasing the recreational opportunities.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2012 Park Bond	\$3,292,049	\$231,835	-	-	-	-	-	\$3,523,884
	2013 Street Bond	\$248,670	-	-	-	-	-	-	\$248,670
	Environmental Compliance Fee	\$209,176	-	-	-	-	-	-	\$209,176
	<b>Sum:</b>	<b>\$3,749,896</b>	<b>\$231,835</b>	-	-	-	-	-	<b>\$3,981,731</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Parks & Recreation****Kleinman Park (CP0553)****COUNCIL DISTRICT 4**

Improve existing amenities at Kleinman Park to address aging equipment and systems.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2012 Park Bond	\$1,476,920	\$4,205	-	-	-	-	-	\$1,481,125
	Capital - General Fund	\$476	\$12,096	-	-	-	-	-	\$12,572
	Community Development Block Grant	\$10,121	\$241,167	-	-	-	-	-	\$251,288
	Grants - Gen. Gov.	-	\$100,000	-	-	-	-	-	\$100,000
	<b>Sum:</b>	<b>\$1,487,516</b>	<b>\$357,468</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,844,984</b>

**Mesa City Center (CP0013)****COUNCIL DISTRICT 4**

Develop conceptual plans with input from community stakeholders to create a signature events plaza, pedestrian mall, and public gathering place to enhance the activation of the downtown area.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2012 Park Bond	\$487,640	\$103,833	-	-	-	-	-	\$591,473
	<b>Sum:</b>	<b>\$487,640</b>	<b>\$103,833</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$591,473</b>

**Minor Equipment (CP0303)****CITYWIDE**

Replace various components of existing aging maintenance equipment as the end of service life is reached. Initiate a phased update of park system identification and rules signs.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	Capital - General Fund	\$368,650	\$298,787	-	-	-	-	-	\$667,437
	<b>Sum:</b>	<b>\$368,650</b>	<b>\$298,787</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$667,437</b>

**Museum & Cultural Resource Renovation (CP0213)****COUNCIL DISTRICT 1**

Renovate the old Federal Building in downtown Mesa to allow for expansion of museum exhibit space, offices, and museum collection processing and storage.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2012 Park Bond	\$673,643	\$4,326,357	-	-	-	-	-	\$5,000,000
	<b>Sum:</b>	<b>\$673,643</b>	<b>\$4,326,357</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$5,000,000</b>

**Parks Bond Projects Placeholder (CP0183)**

This project will serve as a placeholder for anticipated Parks bond projects. Funding for these projects is contingent on the outcome of a future bond election.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2018 Parks Bond	-	\$10,000,000	\$25,582,500	\$26,305,000	\$26,992,500	\$8,277,602	-	\$97,157,602
	<b>Sum:</b>	<b>-</b>	<b>\$10,000,000</b>	<b>\$25,582,500</b>	<b>\$26,305,000</b>	<b>\$26,992,500</b>	<b>\$8,277,602</b>	<b>-</b>	<b>\$97,157,602</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Parks & Recreation****Parks Irrigation Controllers (CN0009)****CITYWIDE**

Upgrade existing irrigation controllers throughout the City's park system which are reaching the end of their service life. Installation of the new controllers will take place in phases.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2012 Park Bond	-	\$282,182	-	-	-	-	-	\$282,182
	Capital - General Fund	\$243,703	\$509,397	-	-	-	-	-	\$753,100
	<b>Sum:</b>	<b>\$243,703</b>	<b>\$791,579</b>	-	-	-	-	-	<b>\$1,035,282</b>

**Pioneer Park Renovations (CP0015)****COUNCIL DISTRICT 4**

Construct improvements to Pioneer Park to create a unique destination. It will include relocation of the playground, improved picnic facilities, and a splash pad with focus on the central corridor of the park.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2012 Park Bond	\$7,172,206	\$532,817	-	-	-	-	-	\$7,705,023
	Environmental Compliance Fee	\$36,667	-	-	-	-	-	-	\$36,667
	<b>Sum:</b>	<b>\$7,208,874</b>	<b>\$532,817</b>	-	-	-	-	-	<b>\$7,741,691</b>

**Riverview Irrigation Filter Upgrade (CP0784)****COUNCIL DISTRICT 1**

Install properly sized filters at Riverview Park that will work with the irrigation components.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	Cubs Spring Training Facility	\$7,175	\$191,506	-	-	-	-	-	\$198,681
	<b>Sum:</b>	<b>\$7,175</b>	<b>\$191,506</b>	-	-	-	-	-	<b>\$198,681</b>

**Signal Butte & Elliot Park Development (CP0121)****COUNCIL DISTRICT 6**

Construct a metro park on land surrounding the water treatment plant at Elliot Road and Signal Butte. Initial phase includes trails and interpretive opportunities explaining the story of water in the desert along with parking.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2012 Park Bond	\$64,633	\$1,309,224	-	-	-	-	-	\$1,373,857
	Highway User Revenue Fund	\$3,846	\$8,326	-	-	-	-	-	\$12,172
O&M	Environmental Compliance Fee	-	\$176,978	\$58,306	\$59,952	\$61,519	\$63,137	\$199,394	\$619,286
	General Fund	-	\$56,916	\$58,200	\$59,520	\$60,876	\$62,268	\$195,600	\$493,380
	<b>Sum:</b>	<b>\$68,479</b>	<b>\$1,551,444</b>	<b>\$116,506</b>	<b>\$119,472</b>	<b>\$122,395</b>	<b>\$125,405</b>	<b>\$394,994</b>	<b>\$2,498,695</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Police**

**Advocacy Center Interview Suite Sound Attenuation Upgrades  
 (CP0747)**

**CITYWIDE**

Renovate four existing interview rooms to provide sound proofing. This will assist in maintaining confidentiality throughout the adjacent rooms.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Capital - General Fund	\$12,840	\$138,862	-	-	-	-	-	\$151,702
	<b>Sum:</b>	<b>\$12,840</b>	<b>\$138,862</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$151,702</b>

**Aviation Unit Hangar Remodel (CP0216)**

**COUNCIL DISTRICT 5**

Remodel the hangar in addition to the main office spaces to allow for future growth. Expansion of the hangar will increase the available area for maintenance and aircraft storage.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2013 Public Safety Bond	\$136,340	\$2,431	-	-	-	-	-	\$138,771
	Capital - General Fund	\$128,239	-	-	-	-	-	-	\$128,239
	<b>Sum:</b>	<b>\$264,579</b>	<b>\$2,431</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$267,010</b>

**Northeast Police Substation (CP0737)**

**CITYWIDE**

Construction of a two story 32,000 square foot police substation to provide police services for the North East portion of Mesa.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2018 Public Safety Bond	-	\$2,138,178	\$19,635,937	-	-	-	-	\$21,774,115
O&M	Funding To Be Determined	-	-	\$415,205	\$328,509	\$336,698	\$345,152	\$1,087,915	\$2,513,479
	<b>Sum:</b>	<b>-</b>	<b>\$2,138,178</b>	<b>\$20,051,142</b>	<b>\$328,509</b>	<b>\$336,698</b>	<b>\$345,152</b>	<b>\$1,087,915</b>	<b>\$24,287,594</b>

**Police Evidence Facility (CP0695)**

**COUNCIL DISTRICT 4**

Construct a new Police evidence facility. This facility, capable of housing the longer term and general evidence storage needs of the Police Department, would be equipped with secure climate controlled and cooler storage.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2018 Public Safety Bond	-	\$1,845,127	\$290,106	\$16,296,039	-	-	-	\$18,431,272
O&M	Funding To Be Determined	-	-	-	\$1,092,533	\$891,238	\$913,403	\$2,878,941	\$5,776,115
	<b>Sum:</b>	<b>-</b>	<b>\$1,845,127</b>	<b>\$290,106</b>	<b>\$17,388,572</b>	<b>\$891,238</b>	<b>\$913,403</b>	<b>\$2,878,941</b>	<b>\$24,207,387</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Shared Use Paths****Bike and Ped Pilot projects (CP0531)****CITYWIDE**

Improve the City's multi-modal transportation system.

		Estimated Exp						Future Years	
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	Local Streets Fund	\$1,180	\$694,540	-	-	-	-	-	\$695,720
<b>Sum:</b>		<b>\$1,180</b>	<b>\$694,540</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$695,720</b>

**Eastern Canal Shared-Use Path: Brown to Broadway (CP0673)****COUNCIL DISTRICT 5**

Construct shared-use asphalt path to resolve a missing link in the regional non-motorized system.

		Estimated Exp						Future Years	
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	2018 Parks Bond	-	-	\$426,651	\$4,795,130	-	-	-	\$5,221,781
O&M	Environmental Compliance Fee	-	-	-	-	\$5,399	\$5,541	\$17,499	\$28,439
	Highway User Revenue Fund	-	-	-	-	\$10,797	\$11,081	\$34,995	\$56,873
<b>Sum:</b>		<b>-</b>	<b>-</b>	<b>\$426,651</b>	<b>\$4,795,130</b>	<b>\$16,196</b>	<b>\$16,622</b>	<b>\$52,494</b>	<b>\$5,307,093</b>

**Eastern Canal Shared-Use Path: Lindsay to Brown (CP0867)****COUNCIL DISTRICT 1**

Install a paved pathway from Lindsay to Brown and putting in a signal on McKellips and Lindsay.

		Estimated Exp						Future Years	
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	Local Streets Fund	-	\$1,414,992	-	-	-	-	-	\$1,414,992
O&M	Environmental Compliance Fee	-	-	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$15,526
	Highway User Revenue Fund	-	-	\$4,093	\$4,209	\$4,319	\$4,432	\$13,998	\$31,051
<b>Sum:</b>		<b>-</b>	<b>\$1,414,992</b>	<b>\$6,140</b>	<b>\$6,313</b>	<b>\$6,478</b>	<b>\$6,648</b>	<b>\$20,998</b>	<b>\$1,461,569</b>

**Lehi Crossing Shared-Use Path (CP0672)****COUNCIL DISTRICT 1**

Construct a shared-use path that will extend along the SRP canal service road.

		Estimated Exp						Future Years	
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	2018 Parks Bond	-	\$405,710	\$4,567,283	-	-	-	-	\$4,972,993
	Future Park Bond	-	-	-	-	-	-	\$5,491,186	\$5,491,186
O&M	Environmental Compliance Fee	-	-	-	\$2,104	\$2,159	\$2,216	\$7,000	\$13,479
	Highway User Revenue Fund	-	-	-	\$4,209	\$4,319	\$4,432	\$13,998	\$26,958
<b>Sum:</b>		<b>-</b>	<b>\$405,710</b>	<b>\$4,567,283</b>	<b>\$6,313</b>	<b>\$6,478</b>	<b>\$6,648</b>	<b>\$5,512,184</b>	<b>\$10,504,616</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Shared Use Paths****Mesa Gateway Bike and Pedestrian Path Phase 2 (CP0529)****COUNCIL DISTRICT 6**

Construct segment 2 of the southeast path from Elliot Road to Hawes Road.

		Estimated Exp						Future Years	Totals
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	
Capital	Grants - Gen. Gov.	-	-	\$2,079,984	-	-	-	-	\$2,079,984
	Local Streets Fund	-	\$378,000	\$2,685,912	-	-	-	-	\$3,063,912
O&M	Environmental								
	Compliance Fee	-	-	-	\$2,104	\$2,159	\$4,432	\$13,998	\$22,693
	Highway User Revenue								
	Fund	-	-	-	\$4,209	\$4,319	\$8,865	\$27,997	\$45,390
	<b>Sum:</b>	-	\$378,000	\$4,765,896	\$6,313	\$6,478	\$13,297	\$41,995	\$5,211,979

**Share-Use Path: Consolidated to Eastern Canal Connection (CP0872)****COUNCIL DISTRICT 5**

Design and construct 2 miles of shared use path in the US60 ADOT right of way providing connection to the Consolidated Canal and Eastern Canal pathway systems.

		Estimated Exp						Future Years	Totals
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	
Capital	2018 Parks Bond	-	\$262,861	\$2,384,763	-	-	-	-	\$2,647,624
O&M	Environmental								
	Compliance Fee	-	-	-	\$2,104	\$2,159	\$2,216	\$7,000	\$13,479
	Highway User Revenue								
	Fund	-	-	-	\$4,209	\$4,319	\$4,432	\$13,998	\$26,958
	<b>Sum:</b>	-	\$262,861	\$2,384,763	\$6,313	\$6,478	\$6,648	\$20,998	\$2,688,061

**South Canal Shared-Use Path: Consolidated Canal to McDowell (CP0671)****COUNCIL DISTRICT 5**

Construct shared-use path resolving a missing link in the regional non-motorized system.

		Estimated Exp						Future Years	Totals
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	
Capital	Grants - Gen. Gov.	-	\$2,003,013	-	-	-	-	-	\$2,003,013
	Local Streets Fund	\$91,287	\$527,345	-	-	-	-	-	\$618,632
O&M	Environmental								
	Compliance Fee	-	-	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$15,526
	Highway User Revenue								
	Fund	-	-	\$4,093	\$4,209	\$4,319	\$4,432	\$13,998	\$31,051
	<b>Sum:</b>	\$91,287	\$2,530,358	\$6,140	\$6,313	\$6,478	\$6,648	\$20,998	\$2,668,222

**Southeast Mesa Bike & Pedestrian Path (CP0198)****COUNCIL DISTRICT 6**

Create a pedestrian and bike trail connection in southeast Mesa with a concrete path, landscaping, and lighting.

		Estimated Exp						Future Years	Totals
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	
Capital	2012 Park Bond	\$1,498,330	\$38,482	-	-	-	-	-	\$1,536,812
	Local Streets Fund	\$448,277	\$215,060	-	-	-	-	-	\$663,337
O&M	Local Streets Fund	-	-	-	-	-	-	-	-
	<b>Sum:</b>	\$1,946,608	\$253,542	-	-	-	-	-	\$2,200,150

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Shared Use Paths****Stadium Connector Shared-Use Path (CP0108)****COUNCIL DISTRICT 1**

Construct a combination of shared-use pathways and cycle tracks that will connect Mesa's spring training stadiums. It will also include signalized pedestrian crossings at Center Street and the canal, and Country Club and the canal.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2012 Park Bond	\$3,244,927	\$63,472	-	-	-	-	-	<b>\$3,308,399</b>
	<b>Sum:</b>	<b>\$3,244,927</b>	<b>\$63,472</b>	-	-	-	-	-	<b>\$3,308,399</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Storm Sewer****10th Ave and Sistine Drainage (CP0558)****COUNCIL DISTRICT 4**

Construct storm drainage improvements to prevent neighborhood flooding. Flat streets lack capacity, conveyance, and tops over sidewalks and floods homes that are built at grade finished floors.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Water Bond	\$18,070	-	-	-	-	-	-	\$18,070
	Grants - Gen. Gov.	\$189,563	-	-	-	-	-	-	\$189,563
	Highway User Revenue Fund	\$136	\$697,498	-	-	-	-	-	\$697,634
	Local Streets Fund	\$135,640	-	-	-	-	-	-	\$135,640
	<b>Sum:</b>	<b>\$343,409</b>	<b>\$697,498</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,040,907</b>

**64th Street and Halifax Drainage (CP0817)****COUNCIL DISTRICT 5**

Install a new storm drain system in 64th Street to capture flows from County islands that cause flooding.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
	Highway User Revenue Fund	\$389	\$846,366	-	-	-	-	-	\$846,755
O&M	Environmental Compliance Fee	-	-	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$15,526
	<b>Sum:</b>	<b>\$389</b>	<b>\$1,096,366</b>	<b>\$2,047</b>	<b>\$2,104</b>	<b>\$2,159</b>	<b>\$2,216</b>	<b>\$7,000</b>	<b>\$1,112,281</b>

**Broadway Road and Lazona Drainage (CP0743)****COUNCIL DISTRICT 4**

Install storm drain pipes in Broadway Road and Lazona Street to capture flows that otherwise create drainage issues for the neighborhood and ultimately flood the intersection of Broadway and Stapley.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
	Highway User Revenue Fund	\$3,711	\$1,326,460	-	-	-	-	-	\$1,330,171
O&M	Environmental Compliance Fee	-	-	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$15,526
	<b>Sum:</b>	<b>\$3,711</b>	<b>\$1,576,460</b>	<b>\$2,047</b>	<b>\$2,104</b>	<b>\$2,159</b>	<b>\$2,216</b>	<b>\$7,000</b>	<b>\$1,595,697</b>

**Firefly Avenue Drainage (CP0726)****CITYWIDE**

Construct wall openings to improve drainage to the City right of way and openings to an adjacent regional box culvert to help clear additional storm water.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Environmental Compliance Fee	\$35,077	-	-	-	-	-	-	\$35,077
	Grants - Gen. Gov.	-	-	-	-	-	-	-	-
	Highway User Revenue Fund	\$43,605	\$193,050	-	-	-	-	-	\$236,655
O&M	Environmental Compliance Fee	-	\$2,000	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$17,526
	<b>Sum:</b>	<b>\$78,682</b>	<b>\$195,050</b>	<b>\$2,047</b>	<b>\$2,104</b>	<b>\$2,159</b>	<b>\$2,216</b>	<b>\$7,000</b>	<b>\$289,258</b>



**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Storm Sewer****Gilbert Road & Hackamore Drainage (CP0744)****COUNCIL DISTRICT 3**

Install storm drain pipes at Gilbert Road and Hackamore Circle to capture flows that otherwise create drainage issues for the neighborhood.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Grants - Gen. Gov.	-	-	-	-	-	-	-	-
	Highway User Revenue								
	Fund	\$20,007	\$141,463	-	-	-	-	-	\$161,470
O&M	Environmental								
	Compliance Fee	-	\$2,000	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$17,526
	<b>Sum:</b>	<b>\$20,007</b>	<b>\$143,463</b>	<b>\$2,047</b>	<b>\$2,104</b>	<b>\$2,159</b>	<b>\$2,216</b>	<b>\$7,000</b>	<b>\$178,996</b>

**Horne Storm Drain System (CP0557)****COUNCIL DISTRICT 4**

Construct a new storm drain system in Horne Rd that will connect to an existing storm drain in Southern Ave. Improvements will be done over three phases to provide better drainage to the neighborhoods surrounding Horne.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Future Street Bond	-	-	-	-	-	-	\$2,483,274	\$2,483,274
	Grants - Gen. Gov.	\$250,000	-	-	-	-	-	-	\$250,000
	Highway User Revenue								
	Fund	\$3,066	\$2,628,787	-	-	-	-	-	\$2,631,853
	Local Streets Fund	\$1,756,335	\$180,647	-	-	-	-	-	\$1,936,982
O&M	Environmental								
	Compliance Fee	-	\$40,000	\$40,932	\$42,088	\$43,188	\$44,324	\$139,980	\$350,512
	<b>Sum:</b>	<b>\$2,009,402</b>	<b>\$2,849,434</b>	<b>\$40,932</b>	<b>\$42,088</b>	<b>\$43,188</b>	<b>\$44,324</b>	<b>\$2,623,254</b>	<b>\$7,652,622</b>

**Lehi Area Drainage Improvement Project (CP0567)****COUNCIL DISTRICT 2**

Install storm drain in Lehi Road from Center Street eastward to address drainage issues.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Street Bond	-	-	-	-	\$1,187,512	\$6,622,698	\$5,250,621	\$13,060,831
	Environmental								
	Compliance Fee	\$107,410	\$262,500	-	-	-	-	-	\$369,910
	Highway User Revenue								
	Fund	-	\$338,651	-	-	-	-	-	\$338,651
	Local Streets Fund	-	\$172,725	-	-	-	-	-	\$172,725
O&M	Environmental								
	Compliance Fee	-	-	-	-	-	-	\$2,722	\$2,722
	<b>Sum:</b>	<b>\$107,410</b>	<b>\$773,876</b>	<b>-</b>	<b>-</b>	<b>\$1,187,512</b>	<b>\$6,622,698</b>	<b>\$5,253,343</b>	<b>\$13,944,839</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Storm Sewer****Main Street and Maple Drainage (CP0741)****COUNCIL DISTRICT 2**

Extend a storm drain pipe with catch basins along Sulley and Maple Street to capture overflow from an adjacent basin that overflows during storm events.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Grants - Gen. Gov. Highway User Revenue Fund	- \$26,731	- \$242,204	- -	- -	- -	- -	- -	- \$268,935
O&M	Environmental Compliance Fee	-	\$2,000	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$17,526
<b>Sum:</b>		<b>\$26,731</b>	<b>\$244,204</b>	<b>\$2,047</b>	<b>\$2,104</b>	<b>\$2,159</b>	<b>\$2,216</b>	<b>\$7,000</b>	<b>\$286,461</b>

**Royal Palms Drainage (CP0556)****COUNCIL DISTRICT 1**

Construct flap gates on manholes and a relief line to Candlelight Park. Flooding caused by retention in the golf course backing up into the cul de sac and flooding homes.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Grants - Gen. Gov. Local Streets Fund	\$148,884 \$117,297	- \$166,549	- -	- -	- -	- -	- -	\$148,884 \$283,846
<b>Sum:</b>		<b>\$266,182</b>	<b>\$166,549</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$432,731</b>

**Skyview Drainage (CP0745)****COUNCIL DISTRICT 5**

Install a storm drain system to capture flows that currently flood neighborhood streets. The flows will be directed to a City of Mesa owned basin that will be expanded to handle additional capacity.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Grants - Gen. Gov. Highway User Revenue Fund	- \$104,561	- \$856,317	- -	- -	- -	- -	- -	- \$960,878
O&M	Environmental Compliance Fee	-	\$2,000	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$17,526
<b>Sum:</b>		<b>\$104,561</b>	<b>\$858,317</b>	<b>\$2,047</b>	<b>\$2,104</b>	<b>\$2,159</b>	<b>\$2,216</b>	<b>\$7,000</b>	<b>\$978,404</b>

**Sloan Park Drainage Structure (CP0576)****COUNCIL DISTRICT 1**

Develop all-weather access for maintenance equipment and personnel.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Environmental Compliance Fee	\$178,179	\$232,256	-	-	-	-	-	\$410,435
<b>Sum:</b>		<b>\$178,179</b>	<b>\$232,256</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$410,435</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Storm Sewer****Somerset Drainage (CP0819)****COUNCIL DISTRICT 2**

Rehabilitate the storm drain system to alleviate flooding that has historically happened.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
	Highway User Revenue Fund	-	\$664,364	-	-	-	-	-	\$664,364
O&M	Environmental Compliance Fee	-	-	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$15,526
	<b>Sum:</b>	-	<b>\$914,364</b>	<b>\$2,047</b>	<b>\$2,104</b>	<b>\$2,159</b>	<b>\$2,216</b>	<b>\$7,000</b>	<b>\$929,890</b>

**Sossaman and Main Drainage Ditch (CP0790)****COUNCIL DISTRICT 5**

Rehabilitate a drainage channel located on the east side of Sossaman Road south of Main Street. The existing concrete lining is in poor condition and is cracked, broken or missing in several locations.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Environmental Compliance Fee	\$26,509	\$257,830	-	-	-	-	-	\$284,339
	<b>Sum:</b>	<b>\$26,509</b>	<b>\$257,830</b>	-	-	-	-	-	<b>\$284,339</b>

**Storm Drain Pump Stations (CP0491)****COUNCIL DISTRICT 1**

Rehabilitate aging storm drain pump stations.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Street Bond	-	-	-	\$1,657,215	\$1,700,528	\$1,745,258	\$3,628,171	\$8,731,172
	Environmental Compliance Fee	-	\$3,213,520	-	-	-	-	-	\$3,213,520
	Future Street Bond	-	-	-	-	-	-	\$1,883,543	\$1,883,543
O&M	Environmental Compliance Fee	\$1,001,177	-	-	-	-	-	-	\$1,001,177
	<b>Sum:</b>	<b>\$1,001,177</b>	<b>\$3,213,520</b>	-	<b>\$1,657,215</b>	<b>\$1,700,528</b>	<b>\$1,745,258</b>	<b>\$5,511,714</b>	<b>\$14,829,412</b>

**Summer and Bates Drainage (CP0612)****COUNCIL DISTRICT 1**

Construct a storm drain network with catch basins to remove runoff and direct it to the regional retention basin on Lehi Road.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Grants - Gen. Gov.	-	-	\$255,825	-	-	-	-	\$255,825
	Highway User Revenue Fund	-	\$144,546	\$694,615	-	-	-	-	\$839,161
O&M	Environmental Compliance Fee	-	-	-	\$5,261	\$5,399	\$5,541	\$17,499	\$33,700
	<b>Sum:</b>	-	<b>\$144,546</b>	<b>\$950,440</b>	<b>\$5,261</b>	<b>\$5,399</b>	<b>\$5,541</b>	<b>\$17,499</b>	<b>\$1,128,686</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Storm Sewer****Venture Out Drainage (CP0818)****COUNCIL DISTRICT 2**

Construct drainage improvements to the existing Broadway storm drain line that terminates between Via Vello Rd and 48th St.

		Estimated Exp					Future Years		Totals
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	
Capital	Grants - Gen. Gov.	-	\$250,000	-	-	-	-	-	\$250,000
	Highway User Revenue								
	Fund	\$1,728	\$1,181,727	-	-	-	-	-	\$1,183,455
O&M	Environmental								
	Compliance Fee	-	-	\$2,047	\$2,104	\$2,159	\$2,216	\$7,000	\$15,526
	<b>Sum:</b>	<b>\$1,728</b>	<b>\$1,431,727</b>	<b>\$2,047</b>	<b>\$2,104</b>	<b>\$2,159</b>	<b>\$2,216</b>	<b>\$7,000</b>	<b>\$1,448,981</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Streets****1st Avenue Improvements (CP0279)****COUNCIL DISTRICT 4**

Install landscaping and street improvements in areas along downtown at both 1st Avenue and Hibbert.

		Estimated Exp					Future Years		
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	2013 Street Bond	\$570,872	\$2,510,701	-	-	-	-	-	\$3,081,573
	2014 Electric Bond	\$2,682	-	-	-	-	-	-	\$2,682
	2014 Gas Bond	\$2,436	-	-	-	-	-	-	\$2,436
	2014 Wastewater Bond	\$34	-	-	-	-	-	-	\$34
	2014 Water Bond	\$724	-	-	-	-	-	-	\$724
	2020 Electric Bond	-	-	-	\$2,287,204	-	-	-	\$2,287,204
	2020 Gas Bond	-	-	-	\$2,166,177	-	-	-	\$2,166,177
	2020 Street Bond	-	-	-	\$542,936	\$5,356,438	-	-	\$5,899,374
	2020 Wastewater Bond	-	-	-	\$521,700	-	-	-	\$521,700
	2020 Water Bond	-	-	-	\$1,990,692	-	-	-	\$1,990,692
	Local Streets Fund	-	\$1,000,000	-	-	-	-	-	\$1,000,000
O&M	Environmental Compliance Fee	-	-	-	-	-	-	-	-
	Highway User Revenue Fund	-	-	-	-	-	-	-	-
	<b>Sum:</b>	<b>\$576,749</b>	<b>\$3,510,701</b>	<b>-</b>	<b>\$7,508,709</b>	<b>\$5,356,438</b>	<b>-</b>	<b>-</b>	<b>\$16,952,597</b>

**Arterial Reconstruction (CP0439)****CITYWIDE**

Reconstruct arterial street segments that are at the end of their life cycle and can no longer be maintained by conventional means.

Concurrent work will include upgrades to any concrete ramps, driveways and sidewalks to current ADA standards.

		Estimated Exp					Future Years		
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	2008 Street Bond	\$231,987	-	-	-	-	-	-	\$231,987
	2010 Gas Bond	\$13,744	-	-	-	-	-	-	\$13,744
	2010 Water Bond	\$219,929	-	-	-	-	-	-	\$219,929
	2013 Street Bond	\$6,947,769	\$2,075,000	-	-	-	-	-	\$9,022,769
	2014 Water Bond	\$361,564	-	-	-	-	-	-	\$361,564
	Local Streets Fund	\$154,688	-	-	-	-	-	-	\$154,688
	Utility Replacement								
	Extension and Renewal - WW	\$54,134	\$12,206	-	-	-	-	-	\$66,340
	<b>Sum:</b>	<b>\$7,983,814</b>	<b>\$2,087,206</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$10,071,020</b>

**Arterial Reconstructions (CP0861)****CITYWIDE**

Reconstruct arterial street segments that are at the end of their life cycle and can no longer be maintained by conventional means.

Concurrent work will include upgrades to any concrete ramps, driveways and sidewalks to current ADA standards.

		Estimated Exp					Future Years		
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	2020 Gas Bond	-	-	-	\$568,698	-	-	-	\$568,698
	2020 Street Bond	-	-	-	\$972,233	\$20,298,630	\$9,453,479	-	\$30,724,342
	2020 Water Bond	-	-	-	\$923,718	-	-	-	\$923,718
	Future Street Bond	-	-	-	-	-	-	\$565,063	\$565,063
	<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,464,649</b>	<b>\$20,298,630</b>	<b>\$9,453,479</b>	<b>\$565,063</b>	<b>\$32,781,821</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Streets****Baseline Road: 24th Street to the Consolidated Canal (CP0658)****COUNCIL DISTRICT 6**

Widen Baseline Road from 24th Street to the Consolidated Canal to mitigate traffic delays and improve safety.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2013 Street Bond	\$424,953	\$4,463,965	-	-	-	-	-	\$4,888,918
O&M	Local Streets Fund	-	-	-	-	-	-	-	-
	<b>Sum:</b>	<b>\$424,953</b>	<b>\$4,463,965</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$4,888,918</b>

**Bridge Safety Rehabilitation (CP0780)****CITYWIDE**

Address maintenance items and rehabilitation work needing to be performed on numerous existing bridges through the City as identified during bridge inspections performed by ADOT.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Local Streets Fund	\$14,288	\$438,202	\$235,783	\$242,442	\$248,778	\$255,322	\$806,333	\$2,241,148
	<b>Sum:</b>	<b>\$14,288</b>	<b>\$438,202</b>	<b>\$235,783</b>	<b>\$242,442</b>	<b>\$248,778</b>	<b>\$255,322</b>	<b>\$806,333</b>	<b>\$2,241,148</b>

**Broadway Road: Country Club to Mesa Drive (CP0029)****COUNCIL DISTRICT 4**

Construct lane extensions around the intersections and various roadway improvements from Country Club to Mesa Drive.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Electric Bond	-	-	-	\$505,088	\$9,191,436	-	-	\$9,696,524
	2020 Gas Bond	-	-	-	\$116,635	\$1,628,292	-	-	\$1,744,927
	2020 Street Bond	-	-	-	\$1,970,663	\$5,273,948	\$5,412,672	-	\$12,657,283
	2020 Water Bond	-	-	-	\$201,364	\$1,750,336	-	-	\$1,951,700
O&M	Environmental Compliance Fee	-	-	-	-	-	-	\$33,449	\$33,449
	Highway User Revenue Fund	-	-	-	-	-	-	\$99,577	\$99,577
	<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,793,750</b>	<b>\$17,844,012</b>	<b>\$5,412,672</b>	<b>\$133,026</b>	<b>\$26,183,460</b>

**Broadway Road: Lesueur to Spur (CP0666)****COUNCIL DISTRICT 4**

Address safety and capacity needs along the Broadway Road corridor from Lesueur to Spur.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Electric Bond	-	\$156,644	-	-	-	-	-	\$156,644
	2014 Gas Bond	-	\$135,482	-	-	-	-	-	\$135,482
	2014 Water Bond	-	\$527,774	-	-	-	-	-	\$527,774
	2020 Electric Bond	-	-	-	\$2,922,965	-	-	-	\$2,922,965
	2020 Gas Bond	-	-	-	\$1,939,446	-	-	-	\$1,939,446
	2020 Street Bond	-	-	-	\$11,670,114	\$9,967,670	-	-	\$21,637,784
	2020 Water Bond	-	-	-	\$4,704,160	-	-	-	\$4,704,160
	Local Streets Fund	-	\$1,628,166	-	-	-	-	-	\$1,628,166
O&M	Environmental Compliance Fee	-	-	-	-	-	\$3,277	\$10,349	\$13,626
	Highway User Revenue Fund	-	-	-	-	-	\$5,775	\$18,241	\$24,016
	<b>Sum:</b>	<b>-</b>	<b>\$2,448,066</b>	<b>-</b>	<b>\$21,236,685</b>	<b>\$9,967,670</b>	<b>\$9,052</b>	<b>\$28,590</b>	<b>\$33,690,063</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Streets**

**Broadway Road Streetscape: Tempe City Limits to Gilbert Road  
(CP0710)**

**CITYWIDE**

Improve the Broadway Road streetscape from the Tempe City limits to Gilbert Road.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2013 Street Bond	\$579	-	-	-	-	-	-	\$579
	Local Streets Fund	\$363,522	\$1,128,356	-	-	-	-	-	\$1,491,878
	<b>Sum:</b>	<b>\$364,101</b>	<b>\$1,128,356</b>	-	-	-	-	-	<b>\$1,492,457</b>

**Country Club and Main Improvements (CP0856)**

**COUNCIL DISTRICT 4**

Construct raised median and replace utility lines in Country Club Road north of Main Street.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Wastewater Bond	-	\$200,000	-	-	-	-	-	\$200,000
	Local Streets Fund	-	\$200,000	-	-	-	-	-	\$200,000
	<b>Sum:</b>	-	<b>\$400,000</b>	-	-	-	-	-	<b>\$400,000</b>

**Country Club Underpass (CP0736)**

**COUNCIL DISTRICT 4**

Remove the barrier at Country Club underpass south of Main Street and replace with sidewalk, curb and gutter.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Local Streets Fund	\$8,634	\$741,599	-	-	-	-	-	\$750,233
	<b>Sum:</b>	<b>\$8,634</b>	<b>\$741,599</b>	-	-	-	-	-	<b>\$750,233</b>

**East Mesa Service Center Wash Rack (CP0348)**

**COUNCIL DISTRICT 5**

Expand the wash area to include the addition of four wash bays for sweepers and vector trucks. In addition, the existing pre-treatment equipment will be removed and not replaced as it is no longer needed.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Environmental Compliance Fee	\$53,314	\$474,851	-	-	-	-	-	\$528,165
	Local Streets Fund	\$7,215	\$332,085	-	-	-	-	-	\$339,300
	<b>Sum:</b>	<b>\$60,529</b>	<b>\$806,936</b>	-	-	-	-	-	<b>\$867,465</b>

**Eastside Improvements at Phx-Mesa Gateway Airport (CP0217)**

**COUNCIL DISTRICT 6**

Develop the east side of the airport to increase capacity and economic development opportunities.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2013 Street Bond	-	\$2,947,203	\$1,963,265	-	-	-	-	\$4,910,468
	<b>Sum:</b>	-	<b>\$2,947,203</b>	<b>\$1,963,265</b>	-	-	-	-	<b>\$4,910,468</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Streets****Economic Development (CP0342)****CITYWIDE**

Provide discretionary funding for required street improvements associated with significant economic development projects.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2010 Wastewater Bond	-	\$388,800	\$397,859	\$409,095	-	-	-	\$1,195,754
	2014 Water Bond	-	\$713,733	\$730,362	\$750,993	-	-	-	\$2,195,088
	2020 Street Bond	-	-	-	\$2,000,000	\$2,000,000	\$2,000,000	\$4,000,068	\$10,000,068
	<b>Sum:</b>	-	<b>\$1,102,533</b>	<b>\$1,128,221</b>	<b>\$3,160,088</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>	<b>\$4,000,068</b>	<b>\$13,390,910</b>

**Elliot Road Improvements: Ellsworth to Signal Butte (CP0571)****COUNCIL DISTRICT 6**

Construct improvements to Elliot Road in support of the concept of it being a technology corridor.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2013 Street Bond	\$791,209	\$5,716,630	-	-	-	-	-	\$6,507,839
	Grants - Gen. Gov.	-	-	-	-	-	-	-	-
	Local Streets Fund	\$284,548	-	-	-	-	-	-	\$284,548
	Transportation	-	\$14,588,531	-	-	-	-	-	\$14,588,531
O&M	Environmental	-	-	-	-	-	-	-	-
	Compliance Fee	-	\$4,991	\$5,107	\$5,251	\$5,389	\$5,531	\$17,466	\$43,735
	Highway User Revenue	-	\$43,307	\$44,316	\$45,568	\$46,759	\$47,988	\$151,552	\$379,490
	Fund	-	\$43,307	\$44,316	\$45,568	\$46,759	\$47,988	\$151,552	\$379,490
	<b>Sum:</b>	<b>\$1,075,757</b>	<b>\$20,353,459</b>	<b>\$49,423</b>	<b>\$50,819</b>	<b>\$52,148</b>	<b>\$53,519</b>	<b>\$169,018</b>	<b>\$21,804,143</b>

**EVIT Decorative Tree Lighting Project (CP0806)****COUNCIL DISTRICT 3**

Performs electrical work and installs decorative tree lighting along the main street frontage of the downtown EVIT campus.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Local Streets Fund	\$100,236	\$8,622	-	-	-	-	-	\$108,858
	<b>Sum:</b>	<b>\$100,236</b>	<b>\$8,622</b>	-	-	-	-	-	<b>\$108,858</b>

**Gilbert Road Bridge IGA (CN0056)****COUNCIL DISTRICT 1**

Fund the City's share of Gilbert Road bridge construction costs.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Local Streets Fund	-	\$700,000	-	-	-	-	-	\$700,000
	<b>Sum:</b>	-	<b>\$700,000</b>	-	-	-	-	-	<b>\$700,000</b>

**MAG Projects Local Match (CP0109)****CITYWIDE**

Fund the local match for transportation projects that are eligible for regional funding.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Local Streets Fund	-	\$416,850	\$426,563	\$438,609	\$450,073	-	-	\$1,732,095
	<b>Sum:</b>	-	<b>\$416,850</b>	<b>\$426,563</b>	<b>\$438,609</b>	<b>\$450,073</b>	-	-	<b>\$1,732,095</b>



**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Streets****Main Street Tree Revitalization (CP0668)****CITYWIDE**

Replace Palo Brea trees along Main Street. Analysis will include public involvement process to select a new tree species.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Local Streets Fund	\$48,588	\$359,555	\$134,309	-	-	-	-	\$542,452
<b>Sum:</b>		<b>\$48,588</b>	<b>\$359,555</b>	<b>\$134,309</b>	-	-	-	-	<b>\$542,452</b>

**McDowell Underpass Erosion (CP0776)****COUNCIL DISTRICT 1**

Correct erosion issue on retaining wall at the McDowell underpass.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Local Streets Fund	\$4,727	\$1,440,554	-	-	-	-	-	\$1,445,281
<b>Sum:</b>		<b>\$4,727</b>	<b>\$1,440,554</b>	-	-	-	-	-	<b>\$1,445,281</b>

**Mesa Drive Phase II (C01400)****COUNCIL DISTRICT 4**

Construct an additional through lane in all directions as well as fully-protected dual left turn lanes. Construct bus pullouts at all corners connected by detached sidewalks and new street lighting to help mitigate traffic congestion and enhance safety.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2010 Electric Bond	\$247,670	-	-	-	-	-	-	\$247,670
	2010 Gas Bond	\$11,181	-	-	-	-	-	-	\$11,181
	2010 Water Bond	\$83,169	-	-	-	-	-	-	\$83,169
	2013 Street Bond	\$1,343,782	\$6,000,000	\$6,446,790	-	-	-	-	\$13,790,572
	2014 Electric Bond	-	\$2,772,251	-	-	-	-	-	\$2,772,251
	2014 Wastewater Bond	\$6,479	\$159,067	-	-	-	-	-	\$165,546
	2014 Water Bond	-	\$1,842,810	-	-	-	-	-	\$1,842,810
	Transportation Utility Replacement	-	-	\$7,980,794	-	-	-	-	\$7,980,794
	Extension and Renewal - WW	-	\$203,050	-	-	-	-	-	\$203,050
O&M	Environmental Compliance Fee	-	-	\$5,107	\$5,251	\$5,389	\$5,531	\$17,466	\$38,744
	Highway User Revenue Fund	-	-	\$44,316	\$45,568	\$46,759	\$47,988	\$151,552	\$336,183
<b>Sum:</b>		<b>\$1,692,282</b>	<b>\$10,977,178</b>	<b>\$14,477,007</b>	<b>\$50,819</b>	<b>\$52,148</b>	<b>\$53,519</b>	<b>\$169,018</b>	<b>\$27,471,971</b>

**Pavement Rehab-Adobe Rd-Higley to Recker (IGA) (CN0062)****COUNCIL DISTRICT 5**

Fund the City's share of the Pavement Rehabilitation of Adobe Road from Higley to Recker. The project is led by Maricopa County.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2013 Street Bond	-	\$68,097	-	-	-	-	-	\$68,097
<b>Sum:</b>		<b>-</b>	<b>\$68,097</b>	-	-	-	-	-	<b>\$68,097</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Streets****Pecos Road Improvements: Ellsworth Road to Meridian Road (C06040)****COUNCIL DISTRICT 6**

Improve mobility and access in this area of Pecos Road, completing any sections that have not been completed by adjacent development at the time of development construction.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Street Bond	-	-	-	\$10,000,000	-	-	-	\$10,000,000
	Future Street Bond	-	-	-	-	-	-	\$4,652,217	\$4,652,217
<b>Sum:</b>		-	-	-	\$10,000,000	-	-	\$4,652,217	\$14,652,217

**Pedestrian Connection West of Dobson Road (CP0281)****COUNCIL DISTRICT 3**

Improve roadway and sidewalks to positively increase the pedestrian experience along the light rail. Also, construct a turnaround for public safety vehicles.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Local Streets Fund	-	-	\$225,126	-	-	-	-	\$225,126
O&M	Environmental Compliance Fee	-	-	-	\$2,104	\$2,159	\$2,216	\$7,000	\$13,479
	Highway User Revenue Fund	-	-	-	\$4,209	\$4,319	\$4,432	\$13,998	\$26,958
<b>Sum:</b>		-	-	\$225,126	\$6,313	\$6,478	\$6,648	\$20,998	\$265,563

**Power Road Improvements: East Maricopa Floodway to Loop 202 (CP0104)****COUNCIL DISTRICT 6**

Improve the mobility and access in this area of Power Rd, completing any sections that have not been completed by adjacent development. This is a joint project with the Town of Gilbert and Maricopa County.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Street Bond	-	-	-	\$2,412,956	\$1,767,280	\$27,205,136	-	\$31,385,372
O&M	Environmental Compliance Fee	-	-	-	-	-	-	\$17,466	\$17,466
	Highway User Revenue Fund	-	-	-	-	-	-	\$151,552	\$151,552
<b>Sum:</b>		-	-	-	\$2,412,956	\$1,767,280	\$27,205,136	\$169,018	\$31,554,390

**Railroad Quiet Zone (CP0426)****CITYWIDE**

Install raised medians and other infrastructure as required by the Federal Railroad Administration to convert the Union Pacific Railroad route through Mesa into a quiet zone.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Local Streets Fund	\$716,581	\$66,592	-	-	-	-	-	\$783,173
<b>Sum:</b>		\$716,581	\$66,592	-	-	-	-	-	\$783,173

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Streets****Rail Road ROW Improvements (CP0660)****CITYWIDE**

Complete sidewalk improvements along the rail road tracks within the public right of way where either sidewalks are missing or are not ADA compliant.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	Local Streets Fund	\$7,275	\$72,558	-	-	-	-	-	\$79,833
	<b>Sum:</b>	<b>\$7,275</b>	<b>\$72,558</b>	-	-	-	-	-	<b>\$79,833</b>

**Rio Salado Pathway-Public Art Project (CN0065)****COUNCIL DISTRICT 3**

Select an artist to create permanent artwork in the tunnel connecting Rio Salado Shared-Use Pathway with Riverview Park.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	Local Streets Fund	-	\$50,000	-	-	-	-	-	\$50,000
	<b>Sum:</b>	-	<b>\$50,000</b>	-	-	-	-	-	<b>\$50,000</b>

**Roosevelt Road Improvements: Broadway Road to 8th Avenue (CP0528)****COUNCIL DISTRICT 3**

Widen Roosevelt Road between Broadway Road and 8th Avenue from the current half street (east side only improved) to a collector street.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Wastewater Bond	\$41,196	-	-	-	-	-	-	\$41,196
	Local Streets Fund	\$145,482	\$831,497	-	-	-	-	-	\$976,979
O&M	Local Streets Fund	-	-	-	-	-	-	-	-
	<b>Sum:</b>	<b>\$186,678</b>	<b>\$831,497</b>	-	-	-	-	-	<b>\$1,018,175</b>

**Signal Butte Road Improvements: Williams Field to Pecos (CP0729)****COUNCIL DISTRICT 6**

Improve access along Signal Butte Road to coincide with State Route 24 advancement. Work will include constructing any roadway sections that have not been completed by adjacent development.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2020 Street Bond	-	-	-	\$8,786,540	-	-	-	\$8,786,540
	Local Streets Fund	-	\$1,044,816	-	-	-	-	-	\$1,044,816
O&M	Environmental Compliance Fee	-	-	-	-	\$5,389	\$5,531	\$17,466	\$28,386
	Highway User Revenue Fund	-	-	-	-	\$46,759	\$47,988	\$151,552	\$246,299
	<b>Sum:</b>	-	<b>\$1,044,816</b>	-	<b>\$8,786,540</b>	<b>\$52,148</b>	<b>\$53,519</b>	<b>\$169,018</b>	<b>\$10,106,041</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Streets****Southern Avenue and Stapley Drive Intersection (CP0800)****COUNCIL DISTRICT 4**

Construct dual left turn lanes, and additional through lanes and existing gas and storm sewer infrastructure.

	Fund	Estimated Exp					Future Years		Totals
		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	
Capital	2010 Gas Bond	\$1,465	\$228,956	\$2,903,409	-	-	-	-	\$3,133,830
	2014 Water Bond	\$1,101	\$276,866	-	-	-	-	-	\$277,967
	Grants - Gen. Gov.	-	-	\$6,315,471	-	-	-	-	\$6,315,471
	Local Streets Fund	\$46,064	\$781,524	-	-	-	-	-	\$827,588
	Transportation	-	\$660,975	\$7,871,513	-	-	-	-	\$8,532,488
O&M	Environmental								
	Compliance Fee	-	-	-	\$3,111	\$3,193	\$3,277	\$10,349	\$19,930
	Highway User Revenue								
	Fund	-	-	-	\$5,484	\$5,627	\$5,775	\$18,241	\$35,127
	<b>Sum:</b>	<b>\$48,630</b>	<b>\$1,948,321</b>	<b>\$17,090,393</b>	<b>\$8,595</b>	<b>\$8,820</b>	<b>\$9,052</b>	<b>\$28,590</b>	<b>\$19,142,401</b>

**Southern Avenue & Country Club Drive Roadways (CP0844)****COUNCIL DISTRICT 4**

Reconstruct two major arterials where pavement is failing. The two segments are Southern; Alma School to Center and Country Club; US 60 to 1st Ave.

	Fund	Estimated Exp					Future Years		Totals
		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	
Capital	2020 Electric Bond	-	-	-	\$29,193	\$370,745	-	-	\$399,938
	2020 Gas Bond	-	-	-	\$81,905	\$2,007,144	-	-	\$2,089,049
	2020 Street Bond	-	-	-	\$691,682	\$10,443,856	-	-	\$11,135,538
	2020 Wastewater Bond	-	-	-	\$620,509	-	-	-	\$620,509
	2020 Water Bond	-	-	-	\$4,108,883	-	-	-	\$4,108,883
O&M	Environmental								
	Compliance Fee	-	-	-	-	-	\$3,277	\$10,349	\$13,626
	Highway User Revenue								
	Fund	-	-	-	-	-	\$5,775	\$18,241	\$24,016
	<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$5,532,172</b>	<b>\$12,821,745</b>	<b>\$9,052</b>	<b>\$28,590</b>	<b>\$18,391,559</b>

**Southern Avenue Improvements: Gilbert Road to Val Vista Dr (CP0061)****CITYWIDE**

Improve Southern Avenue including intersection at Lindsay Road, right-of-way acquisition, pedestrian ramps, street light relocation, and pavement reconstruction.

	Fund	Estimated Exp					Future Years		Totals
		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	
Capital	2014 Wastewater Bond	-	-	\$24,401	-	-	-	-	\$24,401
	2014 Water Bond	-	-	\$151,858	-	-	-	-	\$151,858
	2020 Wastewater Bond	-	-	-	\$253,296	-	-	-	\$253,296
	2020 Water Bond	-	-	-	\$1,577,080	-	-	-	\$1,577,080
	Transportation	-	-	\$1,137,404	\$6,000,420	-	-	-	\$7,137,824
O&M	Environmental								
	Compliance Fee	-	-	-	-	\$3,440	\$3,531	\$11,149	\$18,120
	Highway User Revenue								
	Fund	-	-	-	-	\$10,241	\$10,510	\$33,193	\$53,944
	<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>\$1,313,663</b>	<b>\$7,830,796</b>	<b>\$13,681</b>	<b>\$14,041</b>	<b>\$44,342</b>	<b>\$9,216,523</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Streets****Southern Avenue Improvements: Greenfield to Higley (CP0700)****COUNCIL DISTRICT 2**

Improve Southern Avenue from Greenfield to Higley, including required pedestrian ramp upgrades, street light relocation, and right of way acquisitions. These improvements will help mitigate traffic delays and address safety needs.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2010 Gas Bond	\$376	-	-	-	-	-	-	\$376
	2013 Street Bond	\$382,403	\$598,902	-	-	-	-	-	\$981,305
	Transportation	\$45	\$6,595,046	-	-	-	-	-	\$6,595,091
O&M	Environmental Compliance Fee	-	-	\$3,260	\$3,352	\$3,440	\$3,531	\$11,149	\$24,732
	Highway User Revenue Fund	-	-	\$9,705	\$9,979	\$10,241	\$10,510	\$33,193	\$73,628
	<b>Sum:</b>	<b>\$382,825</b>	<b>\$7,193,948</b>	<b>\$12,965</b>	<b>\$13,331</b>	<b>\$13,681</b>	<b>\$14,041</b>	<b>\$44,342</b>	<b>\$7,675,133</b>

**Stapley Drive and University Drive Intersection (C05041)****COUNCIL DISTRICT 4**

Construct an additional left turn lane and right turn lane in all directions to reduce traffic congestion at this intersection. This project has been identified as a Regional Transportation Plan project.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2020 Gas Bond	-	-	-	\$20,240	\$502,137	-	-	\$522,377
	2020 Street Bond	-	-	-	\$6,796,989	\$2,952,695	-	-	\$9,749,684
	2020 Water Bond	-	-	-	\$95,684	\$982,243	-	-	\$1,077,927
O&M	Environmental Compliance Fee	-	-	-	-	-	\$3,277	\$10,349	\$13,626
	Highway User Revenue Fund	-	-	-	-	-	\$5,775	\$18,241	\$24,016
	<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$6,912,913</b>	<b>\$4,437,075</b>	<b>\$9,052</b>	<b>\$28,590</b>	<b>\$11,387,630</b>

**Street Improvement Cityshare (CN0003)****CITYWIDE**

Fund the City's participation in the cost share of widening of streets and the installation of new street lights that are built in conjunction with development projects.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2013 Street Bond	\$550,114	\$1,304,000	-	-	-	-	-	\$1,854,114
	2020 Street Bond	-	-	-	\$400,000	\$400,000	\$400,000	\$800,000	\$2,000,000
	Future Street Bond	-	-	-	-	-	-	\$3,587,700	\$3,587,700
O&M	Local Streets Fund	-	-	-	\$92,909	\$95,338	\$97,845	\$309,006	\$595,098
	<b>Sum:</b>	<b>\$550,114</b>	<b>\$1,304,000</b>	<b>-</b>	<b>\$492,909</b>	<b>\$495,338</b>	<b>\$497,845</b>	<b>\$4,696,706</b>	<b>\$8,036,912</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Streets****Streetlight Spot Improvement (CP0294)****CITYWIDE**

Install streetlights in various locations citywide. To fulfill requests from residents and the Police Department for additional street lights and new street lights in areas where there are no street lights as funds allow.

		Estimated Exp						Future Years	
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	2013 Street Bond	\$291,449	-	-	-	-	-	-	\$291,449
	Future Street Bond	-	-	-	-	-	-	\$421,913	\$421,913
	Local Streets Fund	-	\$352,800	\$361,020	\$371,216	\$380,918	\$390,938	\$812,711	\$2,669,603
O&M	Local Streets Fund	-	\$7,500	\$15,350	\$15,783	\$16,196	\$16,622	\$52,494	\$123,945
<b>Sum:</b>		<b>\$291,449</b>	<b>\$360,300</b>	<b>\$376,370</b>	<b>\$386,999</b>	<b>\$397,114</b>	<b>\$407,560</b>	<b>\$1,287,118</b>	<b>\$3,506,910</b>

**Transportation Neighborhood Improvement Projects (CP0532)****CITYWIDE**

Install ADA Ramps and missing sidewalks citywide to improve accessibility.

		Estimated Exp						Future Years	
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	Local Streets Fund	\$413,278	\$481,437	\$443,756	\$456,286	\$468,213	\$480,529	\$1,517,563	\$4,261,062
O&M	Environmental Compliance Fee	-	\$300	\$307	\$316	\$324	\$332	\$1,050	\$2,629
	Highway User Revenue Fund	-	\$500	\$511	\$526	\$540	\$554	\$1,750	\$4,381
<b>Sum:</b>		<b>\$413,278</b>	<b>\$482,237</b>	<b>\$444,574</b>	<b>\$457,128</b>	<b>\$469,077</b>	<b>\$481,415</b>	<b>\$1,520,363</b>	<b>\$4,268,072</b>

**UPRR Crossing Improvements: Dobson and Alma School (CP0184)****COUNCIL DISTRICT 3**

Construct improvements to the Union Pacific Railroad crossings at Dobson and Alma School Roads. There will be improvements to both the railroad segments and surrounding median and sidewalks.

		Estimated Exp						Future Years	
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	2010 Gas Bond	\$359	-	-	-	-	-	-	\$359
	Grants - Gen. Gov.	-	\$208,592	-	-	-	-	-	\$208,592
	Local Streets Fund	\$39,961	\$41,599	-	-	-	-	-	\$81,560
<b>Sum:</b>		<b>\$40,320</b>	<b>\$250,191</b>	-	-	-	-	-	<b>\$290,511</b>

**Val Vista Drive: Baseline Road to US 60 (CP0105)****COUNCIL DISTRICT 2**

Construct roadway and safety improvements to include bicycle lanes, sidewalks and ADA compliant ramps. The existing traffic signals will be replaced.

		Estimated Exp						Future Years	
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	2010 Gas Bond	\$1,556	-	-	-	-	-	-	\$1,556
	2013 Street Bond	\$168,847	\$853,470	-	-	-	-	-	\$1,022,317
	Transportation	\$1,154	\$549,150	-	-	-	-	-	\$550,304
O&M	Local Streets Fund	-	-	-	-	-	-	-	-
<b>Sum:</b>		<b>\$171,557</b>	<b>\$1,402,620</b>	-	-	-	-	-	<b>\$1,574,177</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Streets****Val Vista Drive: Pueblo to US 60 (CP0062)****COUNCIL DISTRICT 2**

Improve Val Vista Drive between Pueblo and US 60. Construction work will mitigate traffic delays and congestion and enhance safety.

		Estimated Exp					Future Years		
	Fund	Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	2020 Gas Bond	-	-	-	\$130,476	\$2,234,569	-	-	\$2,365,045
	2020 Water Bond	-	-	-	\$183,394	\$1,900,690	-	-	\$2,084,084
	Transportation	-	-	-	\$1,915,491	\$6,076,662	-	-	\$7,992,153
O&M	Environmental								
	Compliance Fee	-	-	-	-	-	\$5,531	\$17,466	\$22,997
	Highway User Revenue								
	Fund	-	-	-	-	-	\$47,988	\$151,552	\$199,540
	<b>Sum:</b>	-	-	-	\$2,229,361	\$10,211,921	\$53,519	\$169,018	\$12,663,819

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Transit****Bus Stop Shelters (CP0809)****CITYWIDE**

Install patron shelters at bus stops that do not have a shelter. This would include obtaining right of way at certain locations.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2020 Street Bond	-	-	-	\$276,203	\$283,421	\$290,876	\$298,541	\$1,149,041
	<b>Sum:</b>	-	-	-	<b>\$276,203</b>	<b>\$283,421</b>	<b>\$290,876</b>	<b>\$298,541</b>	<b>\$1,149,041</b>

**Gilbert LRT CNPAs (CP0562)****COUNCIL DISTRICT 4**

Replace existing utility infrastructure to accommodate the installation of the central Mea Light Rail system extension for Gilbert Rd.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Electric Bond	\$655,624	-	-	-	-	-	-	\$655,624
	2014 Wastewater Bond Utility Replacement	\$1,774,679	-	-	-	-	-	-	\$1,774,679
	Extension and Renewal - WW	\$1,368	\$62,062	-	-	-	-	-	\$63,430
	<b>Sum:</b>	<b>\$2,431,671</b>	<b>\$62,062</b>	-	-	-	-	-	<b>\$2,493,733</b>

**Gilbert Road Light Rail Extension (CP0296)****COUNCIL DISTRICT 4**

Construct approximately two miles of double track alignment extending along Main Street from Edgemont to a new end of line station at Gilbert Road.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	Transit Fund	\$16,352,910	\$19,847,467	-	-	-	-	-	\$36,200,377
O&M	Environmental Compliance Fee	-	\$25,000	\$25,583	\$26,305	\$26,993	\$27,703	\$87,489	\$219,073
	Transit Fund	-	-	\$3,126,182	\$3,214,471	\$3,298,484	\$3,385,246	\$10,690,974	\$23,715,357
	<b>Sum:</b>	<b>\$16,352,910</b>	<b>\$19,872,467</b>	<b>\$3,151,765</b>	<b>\$3,240,776</b>	<b>\$3,325,477</b>	<b>\$3,412,949</b>	<b>\$10,778,463</b>	<b>\$60,134,807</b>



**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Wastewater Contractual Obligations****91st Avenue Wastewater Treatment Plant (CN0027)****CITYWIDE**

Fund the City of Mesa's portion of operational and facility upgrades to the 91st Avenue Plant. Mesa is a member of the Sub-Regional Operating Group (SROG). Per an Intergovernmental Agreement with SROG, Mesa shares in the cost of improvements.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2010 Wastewater Bond	-	\$2,100,000	-	-	-	-	-	<b>\$2,100,000</b>
	2014 Wastewater Bond	\$7,665,710	\$5,213,723	\$5,035,438	\$2,478,729	-	-	-	<b>\$20,393,600</b>
	2020 Wastewater Bond	-	-	-	\$1,812,970	\$3,817,775	\$5,928,335	\$12,324,260	<b>\$23,883,340</b>
	Future Wastewater Bond	-	-	-	-	-	-	\$6,577,450	<b>\$6,577,450</b>
	<b>Sum:</b>	<b>\$7,665,710</b>	<b>\$7,313,723</b>	<b>\$5,035,438</b>	<b>\$4,291,699</b>	<b>\$3,817,775</b>	<b>\$5,928,335</b>	<b>\$18,901,710</b>	<b>\$52,954,390</b>

**Wastewater Main Oversize & Extensions City Share (CN0063)****CITYWIDE**

Fund reimbursements to developers for construction of new wastewater extensions and oversized mains to meet the City's need and provide service to new development.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2010 Wastewater Bond	-	\$162,000	\$165,775	-	-	-	-	<b>\$327,775</b>
	2020 Wastewater Bond	-	-	-	\$170,456	\$174,911	\$179,512	\$184,243	<b>\$709,122</b>
	Future Wastewater Bond	-	-	-	-	-	-	\$382,677	<b>\$382,677</b>
	<b>Sum:</b>	<b>-</b>	<b>\$162,000</b>	<b>\$165,775</b>	<b>\$170,456</b>	<b>\$174,911</b>	<b>\$179,512</b>	<b>\$566,920</b>	<b>\$1,419,574</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Wastewater Customer Demand - Citywide**

**New Lift Stations (CP0617)**

**COUNCIL DISTRICT 2**

Construct new wastewater lift stations to serve projected growth in currently undeveloped areas that can not be totally served by a gravity sewer system.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Wastewater Bond	-	-	-	\$1,254,628	\$6,634,381	\$10,752,248	-	\$18,641,257
	<b>Sum:</b>	-	-	-	\$1,254,628	\$6,634,381	\$10,752,248	-	\$18,641,257

**New Sewer Lines - Other Areas (CP0619)**

**COUNCIL DISTRICT 6**

Construct new sewer lines in undeveloped areas other than southeast Mesa to serve projected growth and areas currently served by on-site septic systems.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Wastewater Bond	-	-	-	\$1,953,440	\$2,945,815	\$2,903,668	-	\$7,802,923
	<b>Sum:</b>	-	-	-	\$1,953,440	\$2,945,815	\$2,903,668	-	\$7,802,923

**Odor Control Master Plan (CP0349)**

**CITYWIDE**

Identify and correct major odor-causing compounds at the Northwest Water Reclamation Plant and in the vicinity of Baseline/Loop 101. Odor control is a sensitive issue and closely tied to public relations.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2010 Wastewater Bond	\$59,005	\$372,374	-	-	-	-	-	\$431,379
	2020 Wastewater Bond	-	-	-	\$681,826	\$1,749,114	-	-	\$2,430,940
	<b>Sum:</b>	\$59,005	\$372,374	-	\$681,826	\$1,749,114	-	-	\$2,862,319

**Sewer Line Extensions to Unsewered Areas (CP0624)**

**CITYWIDE**

Install trunk and lateral sewers to serve residential areas currently served by failing on-site septic systems.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Wastewater Bond	\$2,607,905	-	-	-	-	-	-	\$2,607,905
	2020 Wastewater Bond	-	-	-	\$568,396	\$2,003,166	\$2,285,168	\$2,126,908	\$6,983,638
	Future Wastewater Bond	-	-	-	-	-	-	\$1,276,053	\$1,276,053
	<b>Sum:</b>	\$2,607,905	-	-	\$568,396	\$2,003,166	\$2,285,168	\$3,402,961	\$10,867,596

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Wastewater Customer Demand - Southeast Mesa**

**Greenfield Water Reclamation Plant Expansion (CP0067)**

**CITYWIDE**

Construct additional treatment capacity to meet the increasing wastewater flows to the Greenfield Water Reclamation Plant. The towns of Gilbert and Queen Creek are sharing in the cost of the plant expansion.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	Greenfield WRP Joint Venture	\$22,411,600	\$131,335,490	\$50,056,300	\$242,672	-	-	-	\$204,046,062
O&M	Greenfield WRP Joint Venture	-	-	\$1,880,173	\$2,012,393	\$2,065,376	\$2,116,612	\$6,690,851	\$14,765,405
<b>Sum:</b>		<b>\$22,411,600</b>	<b>\$131,335,490</b>	<b>\$51,936,473</b>	<b>\$2,255,065</b>	<b>\$2,065,376</b>	<b>\$2,116,612</b>	<b>\$6,690,851</b>	<b>\$218,811,467</b>

**Greenfield Water Reclamation Plant Expansion - Mesa Share (CN0015)**

**CITYWIDE**

Construct additional treatment capacity to meet the increasing wastewater flows to the Greenfield Water Reclamation Plant. The towns of Gilbert and Queen Creek will share in the cost of the plant expansion.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2010 Wastewater Bond	\$538,059	-	-	-	-	-	-	\$538,059
	2014 Wastewater Bond	\$11,654,960	\$79,195,300	\$30,183,949	\$146,332	-	-	-	\$121,180,541
O&M	Wastewater	-	-	\$722,453	\$742,856	\$762,271	\$782,322	\$2,470,657	\$5,480,559
<b>Sum:</b>		<b>\$12,193,019</b>	<b>\$79,195,300</b>	<b>\$30,906,402</b>	<b>\$889,188</b>	<b>\$762,271</b>	<b>\$782,322</b>	<b>\$2,470,657</b>	<b>\$127,199,159</b>

**New Sewer Lines - Phx Mesa Gateway Development Plan (CP0620)**

**COUNCIL DISTRICT 6**

Construct new sewer lines to serve development in the Phoenix Mesa Gateway Airport Northeast Development Area.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Wastewater Bond	-	\$260,049	\$1,413,126	\$243,912	\$1,348,726	-	-	\$3,265,813
	2014 Water Bond	-	-	-	\$733,533	\$6,002,912	-	-	\$6,736,445
<b>Sum:</b>		<b>-</b>	<b>\$260,049</b>	<b>\$1,413,126</b>	<b>\$977,445</b>	<b>\$7,351,638</b>	<b>-</b>	<b>-</b>	<b>\$10,002,258</b>

**New Sewer Lines - Southeast Mesa (CP0618)**

**COUNCIL DISTRICT 6**

Construct new sewer lines in the area bounded by Elliot, Power, Germann, and Meridian Roads to serve development in southeast Mesa.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2010 Wastewater Bond	-	-	-	-	-	-	-	-
	2020 Wastewater Bond	-	-	-	\$364,025	\$3,644,647	\$6,548,541	\$5,557,242	\$16,114,455
<b>Sum:</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>\$364,025</b>	<b>\$3,644,647</b>	<b>\$6,548,541</b>	<b>\$5,557,242</b>	<b>\$16,114,455</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Wastewater Customer Demand - Southeast Mesa**

**Water and Wastewater Improvements at ASU Polytechnic (CP0805)**

**COUNCIL DISTRICT 6**

Provide necessary water and wastewater infrastructure improvements to handle project flows from the ASU Polytechnic Campus and to maintain service reliability in the area.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2010 Wastewater Bond	-	\$212,644	\$2,159,864	-	-	-	-	<b>\$2,372,508</b>
	<b>Sum:</b>	-	<b>\$212,644</b>	<b>\$2,159,864</b>	-	-	-	-	<b>\$2,372,508</b>

**Williams Field Road Sewer: Ellsworth to Mountain (C10425)**

**COUNCIL DISTRICT 6**

Install sewer line along State Route 24 and Williams Field Road from Mountain to Ellsworth to serve future development.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2010 Wastewater Bond	-	\$113,847	\$1,226,465	-	-	-	-	<b>\$1,340,312</b>
	2014 Wastewater Bond	-	-	-	-	-	-	-	-
	<b>Sum:</b>	-	<b>\$113,847</b>	<b>\$1,226,465</b>	-	-	-	-	<b>\$1,340,312</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Wastewater Lifecycle****Diversion Structure Rehabilitation (CP0598)****CITYWIDE**

Rehabilitate wastewater diversion structures that have deteriorated due to age and corrosion to extend the life and operability of the structures. Work will include repair and recoating of deteriorated concrete and control gates.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Wastewater Bond	-	-	\$122,673	-	-	-	-	\$122,673
	2020 Wastewater Bond	-	-	-	\$134,093	\$137,597	\$141,216	\$144,937	\$557,843
	Future Wastewater Bond	-	-	-	-	-	-	\$301,038	\$301,038
	<b>Sum:</b>	-	-	\$122,673	\$134,093	\$137,597	\$141,216	\$445,975	\$981,554

**Greenfield Water Reclamation Plant Headworks/Solids Upgrade (CP0263)****CITYWIDE**

Replace the bus duct systems at both the solids and headworks buildings with conduit and wire systems to eliminate the possibility of future failures due to water intrusion.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	Greenfield WRP Joint Venture	\$96,885	\$777,933	-	-	-	-	-	\$874,818
	<b>Sum:</b>	\$96,885	\$777,933	-	-	-	-	-	\$874,818

**Greenfield Water Reclamation Plant Headworks/Solids Upgrade - CP0263 Mesa Share (CN0014)****COUNCIL DISTRICT 2**

Replace the bus duct systems at both the solids and headworks buildings with conduit and wire systems to eliminate the possibility of future failures due to water intrusion.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Wastewater Bond	\$39,706	\$319,154	-	-	-	-	-	\$358,860
	<b>Sum:</b>	\$39,706	\$319,154	-	-	-	-	-	\$358,860

**Greenfield Water Reclamation Plant Major Plant Improvements (CP0625)****CITYWIDE**

Replace and/or modify major equipment or systems to improve plant performance and ensure compliance with regulatory requirements.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	Greenfield WRP Joint Venture	-	-	-	-	\$1,865,722	\$12,565,854	\$1,033,258	\$15,464,834
	<b>Sum:</b>	-	-	-	-	\$1,865,722	\$12,565,854	\$1,033,258	\$15,464,834

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Wastewater Lifecycle****Greenfield Water Reclamation Plant Major Plant Improvements - CP0625 Mesa Share (CN0035)****COUNCIL DISTRICT 2**

Replace and/or modify major equipment or systems to improve plant performance and ensure compliance with regulatory requirements.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2020 Wastewater Bond	-	-	-	-	\$1,125,030	\$7,577,210	-	<b>\$8,702,240</b>
	Future Wastewater Bond	-	-	-	-	-	-	\$623,054	<b>\$623,054</b>
	<b>Sum:</b>	-	-	-	-	<b>\$1,125,030</b>	<b>\$7,577,210</b>	<b>\$623,054</b>	<b>\$9,325,294</b>

**Greenfield Water Reclamation Plant Miscellaneous Plant Improvements (CP0626)****CITYWIDE**

Modify and/or rehabilitate existing systems, install new systems, and replace equipment that has reached its useful life at the Greenfield Water Reclamation Plant. This work will improve plant operations and reliability.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	Greenfield WRP Joint Venture	\$2,685,774	\$249,998	\$255,822	\$860,805	\$1,999,821	\$2,115,252	\$7,388,786	<b>\$12,870,484</b>
	<b>Sum:</b>	<b>\$2,685,774</b>	<b>\$249,998</b>	<b>\$255,822</b>	<b>\$860,805</b>	<b>\$1,999,821</b>	<b>\$2,115,252</b>	<b>\$7,388,786</b>	<b>\$15,556,258</b>

**Greenfield Water Reclamation Plant Miscellaneous Plant Improvements - CP0626 Mesa Share (CN0036)****COUNCIL DISTRICT 2**

Modify and/or rehabilitate existing systems, install new systems, and replace equipment that has reached its useful life at the Greenfield Water Reclamation Plant. Improve plant operations and reliability.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Wastewater Bond	\$1,144,586	-	-	-	-	-	-	<b>\$1,144,586</b>
	2020 Wastewater Bond	-	-	-	\$519,065	\$1,205,892	\$1,275,497	\$1,309,108	<b>\$4,309,562</b>
	Future Wastewater Bond	-	-	-	-	-	-	\$3,146,330	<b>\$3,146,330</b>
	Utility Replacement Extension and Renewal - WW	-	\$104,499	\$106,934	-	-	-	-	<b>\$211,433</b>
	<b>Sum:</b>	<b>\$1,144,586</b>	<b>\$104,499</b>	<b>\$106,934</b>	<b>\$519,065</b>	<b>\$1,205,892</b>	<b>\$1,275,497</b>	<b>\$4,455,438</b>	<b>\$8,811,911</b>

**Greenfield Water Reclamation Plant Plant Equipment - CP0798 Mesa Share (CN0058)****CITYWIDE**

Fund Mesa's cost share to replace the primary Bulgear and Level transmitters at the plant.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2020 Wastewater Bond	-	-	-	-	\$386,167	\$306,083	-	<b>\$692,250</b>
	<b>Sum:</b>	-	-	-	-	<b>\$386,167</b>	<b>\$306,083</b>	-	<b>\$692,250</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Wastewater Lifecycle****Greenfield Water Reclamation Plant Plant Equipment Replacement (CP0798)****CITYWIDE**

Replace the primary Bulgear and Level transmitters at the plant.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	Greenfield WRP Joint Venture	-	-	-	-	\$640,409	\$507,601	-	\$1,148,010
	<b>Sum:</b>	-	-	-	-	\$640,409	\$507,601	-	\$1,148,010

**Greenfield Water Reclamation Plant Plant Rehabilitation and Equipment - CP0797 Mesa Share (CN0057)****CITYWIDE**

Fund Mesa's cost share to rebuild/replace equipment to minimize system downtime and ensure efficient operation at the plant.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2010 Wastewater Bond	\$7,598	\$125,484	-	-	-	-	-	\$133,082
	2020 Wastewater Bond	-	-	-	\$102,785	\$725,279	\$133,637	-	\$961,701
	<b>Sum:</b>	\$7,598	\$125,484	-	\$102,785	\$725,279	\$133,637	-	\$1,094,783

**Greenfield Water Reclamation Plant Plant Rehabilitation and Equipment Replacement (CP0797)****CITYWIDE**

Rebuild/Replace equipment to minimize system downtime and ensure efficient operation at the plant.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	Greenfield WRP Joint Venture	-	\$300,202	-	\$170,456	\$1,202,785	\$221,621	-	\$1,895,064
	<b>Sum:</b>	-	\$300,202	-	\$170,456	\$1,202,785	\$221,621	-	\$1,895,064

**Greenfield Water Reclamation Plant Sludge Line Replacement (CP0590)****CITYWIDE**

Replace piping in the solids handling building that has deteriorated due to corrosion and is subject to failure.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	Capital Programs	\$682,958	-	-	-	-	-	-	\$682,958
	Greenfield WRP Joint Venture	\$1,541	\$582,304	-	-	\$2,159,572	\$2,216,377	\$6,999,561	\$11,959,355
	<b>Sum:</b>	\$684,499	\$582,304	-	-	\$2,159,572	\$2,216,377	\$6,999,561	\$12,642,313

**Greenfield Water Reclamation Plant Sludge Line Replacement - CP0590 Mesa Share (CN0026)****CITYWIDE**

Replace piping in the solids handling building that has deteriorated due to corrosion and is subject to failure.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2010 Wastewater Bond	\$20,718	\$243,403	-	-	-	-	-	\$264,121
	2020 Wastewater Bond	-	-	-	-	\$1,302,222	\$1,336,475	\$1,371,693	\$4,010,390
	Future Wastewater Bond	-	-	-	-	-	-	\$2,849,040	\$2,849,040
	<b>Sum:</b>	\$20,718	\$243,403	-	-	\$1,302,222	\$1,336,475	\$4,220,733	\$7,123,551

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Wastewater Lifecycle****Lift Station Rehabilitation (CP0599)****CITYWIDE**

Replace existing equipment that is no longer functional or has reached its useful life to maintain adequate levels of service and bring the facilities into conformance with current design standards and specifications.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Wastewater Bond	\$2,213	\$16,330	\$29,840	-	-	-	-	\$48,383
	2020 Wastewater Bond	-	-	-	\$359,095	\$3,120,420	\$105,913	\$299,089	\$3,884,517
	Future Wastewater Bond	-	-	-	-	-	-	\$1,567,018	\$1,567,018
	<b>Sum:</b>	<b>\$2,213</b>	<b>\$16,330</b>	<b>\$29,840</b>	<b>\$359,095</b>	<b>\$3,120,420</b>	<b>\$105,913</b>	<b>\$1,866,107</b>	<b>\$5,499,918</b>

**Manhole Rehabilitation (CP0600)****CITYWIDE**

Rehabilitate manholes that have deteriorated due to the corrosive environment of the wastewater system. Rehabbing the manholes will extend their useful life and prevent structural failures.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2010 Wastewater Bond Utility Replacement Extension and Renewal - WW	-	\$1,486,102	-	-	-	-	-	\$1,486,102
		\$224,474	\$938,046	-	\$1,563,676	\$1,604,545	\$1,646,750	\$5,200,615	\$11,178,106
	<b>Sum:</b>	<b>\$224,474</b>	<b>\$2,424,148</b>	<b>-</b>	<b>\$1,563,676</b>	<b>\$1,604,545</b>	<b>\$1,646,750</b>	<b>\$5,200,615</b>	<b>\$12,664,208</b>

**Metering Station Rehabilitation (CP0616)****CITYWIDE**

Rehabilitate deteriorated structures and replace equipment that is no longer functional or has reached its useful life to maintain adequate levels of service and bring the facilities into conformance with current design standards and specifications.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Wastewater Bond	-	\$22,086	\$22,601	-	-	-	-	\$44,687
	2020 Wastewater Bond	-	-	-	\$30,682	\$31,484	\$32,312	\$33,165	\$127,643
	Future Wastewater Bond	-	-	-	-	-	-	\$68,883	\$68,883
	<b>Sum:</b>	<b>-</b>	<b>\$22,086</b>	<b>\$22,601</b>	<b>\$30,682</b>	<b>\$31,484</b>	<b>\$32,312</b>	<b>\$102,048</b>	<b>\$241,213</b>



**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Wastewater Lifecycle****Northwest Water Reclamation Plant Equipment Replacement (CP0811)****COUNCIL DISTRICT 1**

Replace process equipment at the Northwest Water Reclamation Plant that has reached the end of its useful life.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Wastewater Bond	-	-	-	\$857,964	\$880,388	\$903,545	\$927,355	\$3,569,252
	Future Wastewater Bond Utility Replacement Extension and Renewal - WW	-	-	-	-	-	-	\$2,569,034	\$2,569,034
		-	\$545,400	\$558,108	-	-	-	-	\$1,103,508
	<b>Sum:</b>	-	<b>\$545,400</b>	<b>\$558,108</b>	<b>\$857,964</b>	<b>\$880,388</b>	<b>\$903,545</b>	<b>\$3,496,389</b>	<b>\$7,241,794</b>

**Northwest Water Reclamation Plant Major Plant Improvements (CP0627)****COUNCIL DISTRICT 1**

Replace and/or modify major equipment or systems to improve plant performance and ensure compliance with regulatory requirements.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Wastewater Bond	\$171,275	-	-	-	-	-	-	\$171,275
	2020 Wastewater Bond	-	-	-	\$909,101	\$7,696,102	\$8,377,236	-	\$16,982,439
	Future Wastewater Bond	-	-	-	-	-	-	\$2,066,515	\$2,066,515
	<b>Sum:</b>	<b>\$171,275</b>	-	-	<b>\$909,101</b>	<b>\$7,696,102</b>	<b>\$8,377,236</b>	<b>\$2,066,515</b>	<b>\$19,220,229</b>

**Northwest Water Reclamation Plant Miscellaneous Plant Improvements (CP0628)****COUNCIL DISTRICT 1**

Modify and/or rehabilitate existing systems, install new systems, and replace equipment that has reached its useful life at the Northwest Water Reclamation Plant. This work will improve plant operations and reliability.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2010 Wastewater Bond	-	\$1,116,200	-	-	-	-	-	\$1,116,200
	2014 Wastewater Bond	\$44,548	-	-	-	-	-	-	\$44,548
	2020 Wastewater Bond	-	-	-	\$863,646	\$932,861	\$4,786,992	\$3,684,852	\$10,268,351
	Future Wastewater Bond	-	-	-	-	-	-	\$4,209,441	\$4,209,441
	<b>Sum:</b>	<b>\$44,548</b>	<b>\$1,116,200</b>	-	<b>\$863,646</b>	<b>\$932,861</b>	<b>\$4,786,992</b>	<b>\$7,894,293</b>	<b>\$15,638,540</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Wastewater Lifecycle****Odor Control Station Rehabilitation (CP0621)****CITYWIDE**

Replace existing equipment that no longer functions and/or has reached its useful life to maintain adequate levels of service and bring the facilities into conformance with current design standards and specifications.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Wastewater Bond	\$8,567	\$317,723	\$48,834	-	-	-	-	\$375,124
	2020 Wastewater Bond	-	-	-	\$210,798	\$1,876,217	\$2,417,432	\$62,030	\$4,566,477
	Future Wastewater Bond	-	-	-	-	-	-	\$197,718	\$197,718
	<b>Sum:</b>	<b>\$8,567</b>	<b>\$317,723</b>	<b>\$48,834</b>	<b>\$210,798</b>	<b>\$1,876,217</b>	<b>\$2,417,432</b>	<b>\$259,748</b>	<b>\$5,139,319</b>

**Sewer Line Condition Assessment (CP0622)****CITYWIDE**

Conduct video inspection and evaluation to determine condition of lines and what rehabilitation is needed.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Wastewater Bond	\$707,749	\$433,620	\$439,303	-	-	-	-	\$1,580,672
	2020 Wastewater Bond	-	-	-	\$456,255	\$468,180	\$480,494	\$493,156	\$1,898,085
	Future Wastewater Bond	-	-	-	-	-	-	\$1,024,297	\$1,024,297
	<b>Sum:</b>	<b>\$707,749</b>	<b>\$433,620</b>	<b>\$439,303</b>	<b>\$456,255</b>	<b>\$468,180</b>	<b>\$480,494</b>	<b>\$1,517,453</b>	<b>\$4,503,054</b>

**Sewer Line Rehabilitation (CP0623)****CITYWIDE**

Rehabilitate and/or replace defective pipe in the wastewater collection system to prevent catastrophic failures and maintain a high level of service. These defective lines were identified through the wastewater asset management program.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Wastewater Bond	\$255,115	\$197,261	\$201,857	-	-	-	-	\$654,233
	2020 Wastewater Bond	-	-	-	\$3,035,497	\$17,905,747	\$9,000,874	\$2,525,799	\$32,467,917
	Future Wastewater Bond	-	-	-	-	-	-	\$6,784,430	\$6,784,430
	Wastewater	\$507	\$25,000	-	-	-	-	-	\$25,507
	<b>Sum:</b>	<b>\$255,622</b>	<b>\$222,261</b>	<b>\$201,857</b>	<b>\$3,035,497</b>	<b>\$17,905,747</b>	<b>\$9,000,874</b>	<b>\$9,310,229</b>	<b>\$39,932,087</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Wastewater Lifecycle****Southeast Water Reclamation Plant Equipment Replacement (CP0631)****COUNCIL DISTRICT 6**

Replace existing equipment at Southeast Water Reclamation Plant on an as needed basis.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2020 Wastewater Bond	-	-	-	\$430,403	\$700,520	\$453,268	\$465,213	\$2,049,404
	Future Wastewater Bond Utility Replacement Extension and Renewal - WW	-	\$185,652	\$83,716	-	-	-	\$1,095,094	\$269,368
	<b>Sum:</b>	-	<b>\$185,652</b>	<b>\$83,716</b>	<b>\$430,403</b>	<b>\$700,520</b>	<b>\$453,268</b>	<b>\$1,560,307</b>	<b>\$3,413,866</b>

**Southeast Water Reclamation Plant Major Plant Improvements (CP0629)****COUNCIL DISTRICT 6**

Replace and/or modify major equipment or systems to improve plant performance and ensure compliance with regulatory requirements.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2020 Wastewater Bond	-	-	-	-	\$1,166,076	\$6,043,577	-	\$7,209,653
	Future Wastewater Bond	-	-	-	-	-	-	\$774,943	\$774,943
	<b>Sum:</b>	-	-	-	-	<b>\$1,166,076</b>	<b>\$6,043,577</b>	<b>\$774,943</b>	<b>\$7,984,596</b>

**Southeast Water Reclamation Plant Miscellaneous Plant Improvements (CP0630)****COUNCIL DISTRICT 6**

Modify and/or rehabilitate existing systems, install new systems, and replace equipment that has reached its useful life at the Southeast Water Reclamation Plant. This work will improve plant operations and reliability.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Wastewater Bond	\$352,296	\$55,000	-	-	-	-	-	\$407,296
	2020 Wastewater Bond	-	-	-	\$2,614,564	\$2,397,182	\$1,195,551	\$1,227,056	\$7,434,353
	Future Wastewater Bond Utility Replacement Extension and Renewal - WW	-	-	-	-	-	-	\$2,831,805	\$2,831,805
		\$198,454	-	-	-	-	-	-	\$198,454
	<b>Sum:</b>	<b>\$550,750</b>	<b>\$55,000</b>	-	<b>\$2,614,564</b>	<b>\$2,397,182</b>	<b>\$1,195,551</b>	<b>\$4,058,861</b>	<b>\$10,871,908</b>

**Southeast Water Reclamation Plant Standby Generator Radiator Replacement (CP0632)****COUNCIL DISTRICT 1**

Replace the cooling system at the Southeast WRP.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	Utility Replacement Extension and Renewal - WW	\$5,670	\$545,704	-	-	-	-	-	\$551,374
	<b>Sum:</b>	<b>\$5,670</b>	<b>\$545,704</b>	-	-	-	-	-	<b>\$551,374</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Water Contractual Obligations****Val Vista Water Treatment Plant - Mesa Share (CN0010)****CITYWIDE**

Fund the City's portion of the operations and maintenance cost of the Val Vista Water Treatment Plant per the Intergovernmental Agreement with the City of Phoenix.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Water Bond	\$9,830,697	\$3,385,652	\$10,446,264	\$2,458,327	-	-	-	<b>\$26,120,940</b>
	2020 Water Bond	-	-	-	\$760,829	\$1,382,539	\$3,878,350	\$8,062,600	<b>\$14,084,318</b>
	Future Water Bond	-	-	-	-	-	-	\$4,185,650	<b>\$4,185,650</b>
	<b>Sum:</b>	<b>\$9,830,697</b>	<b>\$3,385,652</b>	<b>\$10,446,264</b>	<b>\$3,219,156</b>	<b>\$1,382,539</b>	<b>\$3,878,350</b>	<b>\$12,248,250</b>	<b>\$44,390,908</b>

**White Mountain Apache Water Settlement Water Rights (CN0028)****CITYWIDE**

Lease Central Arizona Project (CAP) canal water rights from the White Mountain Apache Tribe for 100 years. Long-term leasing of the water rights will help ensure the City's water supply.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Water Bond	-	\$3,700,000	\$3,786,210	-	-	-	-	<b>\$7,486,210</b>
	<b>Sum:</b>	<b>-</b>	<b>\$3,700,000</b>	<b>\$3,786,210</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$7,486,210</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Water Customer Demand - Citywide****Desert Wells Groundwater Well #1-Warner and Ellsworth (CP0829)****COUNCIL DISTRICT 6**

Drill and equip a new groundwater well near Warner and Ellsworth in the DMB Development to provide water during CAP canal dryups.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Water Bond	-	-	-	-	-	-	\$4,109,661	\$4,109,661
O&M	Water	-	-	-	-	-	\$57,763	\$182,422	\$240,185
<b>Sum:</b>		-	-	-	-	-	\$57,763	\$4,292,083	\$4,349,846

**Desert Wells Groundwater Well #2-Warner and Ellsworth (CP0828)****COUNCIL DISTRICT 6**

Drill and equip a new groundwater well near Warner and Ellsworth in the DMB Development to provide water during CAP canal dryups.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Water Bond	-	-	-	-	-	-	\$4,109,661	\$4,109,661
O&M	Water	-	-	-	-	-	\$57,763	\$182,422	\$240,185
<b>Sum:</b>		-	-	-	-	-	\$57,763	\$4,292,083	\$4,349,846

**Desert Wells Groundwater Well: Crismon and Pecos (CP0833)****COUNCIL DISTRICT 6**

Drill and equip a new groundwater well in Southeast Mesa near Crismon and Pecos to provide water during CAP dryups.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Water Bond	-	-	-	\$278,833	-	-	-	\$278,833
<b>Sum:</b>		-	-	-	\$278,833	-	-	-	\$278,833

**Desert Wells Groundwater Well: Crismon and State Route 24 (CP0834)****COUNCIL DISTRICT 6**

Drill and equip a new groundwater well in Southeast Mesa near Crismon and State Route 24 to provide water during CAP dryups.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Water Bond	-	-	-	-	-	\$293,647	-	\$293,647
<b>Sum:</b>		-	-	-	-	-	\$293,647	-	\$293,647

**Desert Wells Groundwater Well: Ellsworth and Pecos (CP0832)****COUNCIL DISTRICT 6**

Drill and equip a new groundwater well in Southeast Mesa near Ellsworth and Pecos to provide water during CAP dryups.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Water Bond	-	-	-	\$451,709	\$2,009,710	\$1,623,278	-	\$4,084,697
O&M	Water	-	-	-	-	-	\$57,763	\$182,422	\$240,185
<b>Sum:</b>		-	-	-	\$451,709	\$2,009,710	\$1,681,041	\$182,422	\$4,324,882

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Water Customer Demand - Citywide****Desert Wells Groundwater Well: Germann and Crismon (CP0831)****COUNCIL DISTRICT 6**

Drill and equip a new groundwater well in southeast Mesa near Germann and Crismon to provide water during CAP canal dryups.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Water Bond	-	-	-	\$278,833	-	-	-	\$278,833
	Future Water Bond	-	-	-	-	-	-	\$2,417,624	\$2,417,624
<b>Sum:</b>		-	-	-	\$278,833	-	-	\$2,417,624	\$2,696,457

**Desert Wells Groundwater Well: Signal Butte and Pecos (CP0836)****COUNCIL DISTRICT 6**

Drill and equip a new groundwater well in Southeast Mesa near Signal Butte and Pecos to provide water during CAP dryups.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Water Bond	-	-	-	\$451,709	\$2,009,710	\$1,623,278	-	\$4,084,697
O&M	Water	-	-	-	-	-	\$57,763	\$182,422	\$240,185
<b>Sum:</b>		-	-	-	\$451,709	\$2,009,710	\$1,681,041	\$182,422	\$4,324,882

**Falcon Field Groundwater Well (CP0837)****COUNCIL DISTRICT 6**

Drill and equip Falcon Field to provide water during CAP dryups.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	Future Water Bond	-	-	-	-	-	-	\$196,487	\$196,487
O&M	Water	-	-	-	-	-	\$57,763	\$182,422	\$240,185
<b>Sum:</b>		-	-	-	-	-	\$57,763	\$378,909	\$436,672

**Transmission Main - Other Areas (CP0646)****CITYWIDE**

Construct various large diameter water mains throughout the City as identified in the water master plan. These improvements are needed to keep pace with demand.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Water Bond	-	-	-	\$1,420,376	\$1,457,498	\$15,556,864	\$15,966,809	\$34,401,547
<b>Sum:</b>		-	-	-	\$1,420,376	\$1,457,498	\$15,556,864	\$15,966,809	\$34,401,547

**Water Extensions and Oversized Mains - City Share (CN0064)****CITYWIDE**

City Share for developer constructed waterlines that are larger than 16-inch diameter.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Water Bond	-	\$200,000	\$204,660	-	-	-	-	\$404,660
	2020 Water Bond	-	-	-	\$210,440	\$215,940	\$221,620	\$227,460	\$875,460
	Future Water Bond	-	-	-	-	-	-	\$472,440	\$472,440
<b>Sum:</b>		-	\$200,000	\$204,660	\$210,440	\$215,940	\$221,620	\$699,900	\$1,752,560

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Water Customer Demand - Citywide****Waterline Replacement (CP0814)****CITYWIDE**

Replace waterline with highest breakage risk. Waterlines will be inspected and prioritized for replacement based on risk of breakage.

		Estimated Exp					Future Years		
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	2014 Water Bond	\$505,965	\$756,948	\$921,364	-	-	-	-	\$2,184,277
	2020 Water Bond	-	-	-	\$1,603,763	\$1,739,607	\$1,362,681	\$1,675,663	\$6,381,714
	Future Water Bond	-	-	-	-	-	-	\$3,146,060	\$3,146,060
<b>Sum:</b>		<b>\$505,965</b>	<b>\$756,948</b>	<b>\$921,364</b>	<b>\$1,603,763</b>	<b>\$1,739,607</b>	<b>\$1,362,681</b>	<b>\$4,821,723</b>	<b>\$11,712,051</b>

**Williams Gateway Well #5: Power and Williams Field (CP0830)****COUNCIL DISTRICT 6**

Re-drill and equip Williams Gateway Well #5 to provide water during CAP dryups.

		Estimated Exp					Future Years		
Fund		Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	(3)	Totals
Capital	2020 Water Bond	-	-	-	\$172,876	\$2,009,710	\$1,623,278	-	\$3,805,864
O&M	Water	-	-	-	-	-	\$57,763	\$182,422	\$240,185
<b>Sum:</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>\$172,876</b>	<b>\$2,009,710</b>	<b>\$1,681,041</b>	<b>\$182,422</b>	<b>\$4,046,049</b>

**Capital Improvement Program Project Funding Summary  
Fiscal Years 2019 - 2023**

**Water Customer Demand - Southeast Mesa**

**Drill and Equip Non-Potable Well for Southeast Mesa (CP0826)**

**COUNCIL DISTRICT 6**

Drill and equip a new non-potable groundwater well in the DMB Development to provide water during CAP dryups.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Water Bond	-	-	-	\$1,351,576	\$1,262,685	-	-	\$2,614,261
O&M	Water	-	-	-	-	\$55,862	\$57,331	\$181,057	\$294,250
<b>Sum:</b>		-	-	-	<b>\$1,351,576</b>	<b>\$1,318,547</b>	<b>\$57,331</b>	<b>\$181,057</b>	<b>\$2,908,511</b>

**Future Well 1 on Crismon (between Elliott and Warner) (CP0824)**

**COUNCIL DISTRICT 6**

Drill and equip a new groundwater well in southeast Mesa to provide water during CAP canal dryups.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Water Bond	-	-	-	\$172,876	\$2,009,710	\$1,623,278	-	\$3,805,864
O&M	Water	-	-	-	-	-	\$57,763	\$182,422	\$240,185
<b>Sum:</b>		-	-	-	<b>\$172,876</b>	<b>\$2,009,710</b>	<b>\$1,681,041</b>	<b>\$182,422</b>	<b>\$4,046,049</b>

**Future Well 2 on Crismon (at Warner) (CP0825)**

**COUNCIL DISTRICT 6**

Drill and equip a new groundwater well in the DMB Development to provide water during CAP dryups.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Water Bond	-	-	-	\$172,876	\$2,009,710	\$1,623,278	-	\$3,805,864
O&M	Water	-	-	-	-	-	\$57,763	\$182,422	\$240,185
<b>Sum:</b>		-	-	-	<b>\$172,876</b>	<b>\$2,009,710</b>	<b>\$1,681,041</b>	<b>\$182,422</b>	<b>\$4,046,049</b>

**New Pump Station (CP0639)**

**COUNCIL DISTRICT 6**

Construct new pump stations to meet the growing water demand. The Water Master Plan identified the need for additional pumping capacity.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Water Bond	-	-	-	-	-	-	-	-
	2020 Water Bond	-	-	-	\$376,870	\$3,970,094	\$855,099	\$10,074,462	\$15,276,525
	Future Water Bond	-	-	-	-	-	-	\$23,089	\$23,089
<b>Sum:</b>		-	-	-	<b>\$376,870</b>	<b>\$3,970,094</b>	<b>\$855,099</b>	<b>\$10,097,551</b>	<b>\$15,299,614</b>

**Signal Butte Water Treatment Plant (C01600)**

**COUNCIL DISTRICT 6**

Construct the first phase of a plant with a water treatment capacity of 24 million gallons per day to serve Southeast Mesa. Treated water will flow into an existing finished water reservoir and pump station.

Fund		Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2010 Water Bond	\$4,417	-	-	-	-	-	-	\$4,417
	2014 Water Bond	\$111,059,049	\$10,000,000	-	-	-	-	-	\$121,059,049
O&M	Water	-	\$691,740	\$1,467,996	\$1,509,216	\$1,548,447	\$1,588,956	\$5,016,778	\$11,823,133
<b>Sum:</b>		<b>\$111,063,466</b>	<b>\$10,691,740</b>	<b>\$1,467,996</b>	<b>\$1,509,216</b>	<b>\$1,548,447</b>	<b>\$1,588,956</b>	<b>\$5,016,778</b>	<b>\$132,886,599</b>



**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Water Customer Demand - Southeast Mesa**

**Signal Butte Water Treatment Plant Expansion (CP0372)**

**COUNCIL DISTRICT 6**

Construct additional treatment capacity at the plant to meet growth demands in southeast Mesa.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Water Bond	-	-	-	\$557,666	\$5,722,410	\$42,696,201	\$43,821,306	\$92,797,583
	<b>Sum:</b>	-	-	-	\$557,666	\$5,722,410	\$42,696,201	\$43,821,306	\$92,797,583

**Transmission Mains - Southeast Mesa (CP0645)**

**COUNCIL DISTRICT 6**

Construct various large diameter water mains in southeast Mesa. The Water Master Plan identified the need for water transmission mains to meet water demand.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Water Bond	-	\$265,000	-	-	-	-	-	\$265,000
	2020 Water Bond	-	-	-	\$2,129,999	\$23,073,707	\$164,442	\$4,784,669	\$30,152,817
	Future Water Bond	-	-	-	-	-	-	\$2,982,031	\$2,982,031
	<b>Sum:</b>	-	\$265,000	-	\$2,129,999	\$23,073,707	\$164,442	\$7,766,700	\$33,399,848

**Waterline from CAP to Signal Butte Water Trtmnt Plant (C01645)**

**COUNCIL DISTRICT 6**

Construct raw waterline to serve the Signal Butte Water Treatment Plant. There is also an agreement with RWCD to transport water from the CAP canal to their irrigation canal at Signal Butte and Elliot. This water line will be approximately 3 miles.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2010 Water Bond	-	-	-	-	-	-	-	-
	2013 Street Bond	\$143,387	-	-	-	-	-	-	\$143,387
	2014 Water Bond	\$10,445,985	-	-	-	-	-	-	\$10,445,985
	Highway User Revenue	\$7,588	\$29,585	-	-	-	-	-	\$37,173
	<b>Sum:</b>	\$10,596,960	\$29,585	-	-	-	-	-	\$10,626,545

**Well Collection Lines (CP0648)**

**COUNCIL DISTRICT 6**

Construct the waterlines that convey groundwater from new wells to the City's reservoirs, where the water is pumped into the distribution system. The Water Master Plan has identified new groundwater wells that need to be installed to meet water demands.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Water Bond	-	-	-	-	\$315,877	\$3,356,967	\$23,124,485	\$26,797,329
	<b>Sum:</b>	-	-	-	-	\$315,877	\$3,356,967	\$23,124,485	\$26,797,329

**Well Site Acquisition (C04048)**

**COUNCIL DISTRICT 6**

Acquire land for additional well sites needed in the Desert Wells service zone.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Water Bond	\$15,269	\$265,000	\$271,175	-	-	-	-	\$551,444
	<b>Sum:</b>	\$15,269	\$265,000	\$271,175	-	-	-	-	\$551,444

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Water Lifecycle****Aging Water Main Repairs (CP0821)****CITYWIDE**

Make needed emergency repairs to pipe breaks on aging waterlines.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Water Bond	-	\$583,000	\$596,584	-	-	-	-	\$1,179,584
	2020 Water Bond	-	-	-	\$613,433	\$629,465	\$646,022	\$663,046	\$2,551,966
	Future Water Bond	-	-	-	-	-	-	\$1,377,163	\$1,377,163
	<b>Sum:</b>	-	<b>\$583,000</b>	<b>\$596,584</b>	<b>\$613,433</b>	<b>\$629,465</b>	<b>\$646,022</b>	<b>\$2,040,209</b>	<b>\$5,108,713</b>

**Aging Water Main Replacement and Rehabilitation (CP0822)****CITYWIDE**

Identify and replace or rehabilitate aging waterlines based on risk analysis priority.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Water Bond	-	-	-	\$1,330,972	\$10,433,899	\$10,419,166	\$10,271,787	\$32,455,824
	Future Water Bond	-	-	-	-	-	-	\$22,211,130	\$22,211,130
	<b>Sum:</b>	-	-	-	<b>\$1,330,972</b>	<b>\$10,433,899</b>	<b>\$10,419,166</b>	<b>\$32,482,917</b>	<b>\$54,666,954</b>

**Brown Road Major Plant Improvements (CP0634)****COUNCIL DISTRICT 5**

Rehabilitate/replace major equipment & materials at the Brown Road Water Treatment Plant. Work includes possible replacement of the following: leaking valves actuators & controls, filter underdrains, reservoir liner, and the electric SES Service.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Water Bond	-	-	-	\$297,421	\$3,387,665	\$3,476,775	\$3,246,915	\$10,408,776
	Future Water Bond	-	-	-	-	-	-	\$3,061,448	\$3,061,448
	<b>Sum:</b>	-	-	-	<b>\$297,421</b>	<b>\$3,387,665</b>	<b>\$3,476,775</b>	<b>\$6,308,363</b>	<b>\$13,470,224</b>

**Brown Road Miscellaneous Plant Improvements (CP0635)****COUNCIL DISTRICT 5**

Rehabilitate/replace equipment & materials at the plant. Work includes some of the following: bulk chemical tanks, pump & piping, sledge pumps & valves, chlorine & chemical feed systems, etc.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Water Bond	\$362	\$453,680	-	-	-	-	-	\$454,042
	2020 Water Bond	-	-	-	\$2,539,614	\$8,534,015	\$8,084,089	\$5,849,874	\$25,007,592
	Future Water Bond	-	-	-	-	-	-	\$4,588,456	\$4,588,456
	<b>Sum:</b>	<b>\$362</b>	<b>\$453,680</b>	-	<b>\$2,539,614</b>	<b>\$8,534,015</b>	<b>\$8,084,089</b>	<b>\$10,438,330</b>	<b>\$30,050,090</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Water Lifecycle****Compliance Equipment at Water Facilities (CP0638)****CITYWIDE**

Replace lab compliance equipment prior to failure so that the City can remain in compliance with federal regulation. The lab is responsible for regulatory compliance analysis samples at the water plant and other water facilities.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Water Bond	\$128,131	-	-	-	-	-	-	\$128,131
	2020 Wastewater Bond	-	-	-	-	\$362,796	-	-	\$362,796
	2020 Water Bond	-	-	-	\$557,666	\$1,518,013	-	-	\$2,075,679
	<b>Sum:</b>	<b>\$128,131</b>	<b>-</b>	<b>-</b>	<b>\$557,666</b>	<b>\$1,880,809</b>	<b>-</b>	<b>-</b>	<b>\$2,566,606</b>

**Desert Well 18 Equip (C03080)****COUNCIL DISTRICT 6**

Acquire, drill, and equip a new well site to augment the surface water supply. The Falcon Field reservoir 1 cannot be kept full and the flow rate from the Central Arizona Project reservoir to the Falcon Field zone is limited by existing infrastructure.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2010 Water Bond	\$39,492	-	-	-	-	-	-	\$39,492
	2014 Water Bond	\$1,306,028	-	-	-	-	-	-	\$1,306,028
	Water	\$373	\$200,000	-	-	-	-	-	\$200,373
	<b>Sum:</b>	<b>\$1,345,893</b>	<b>\$200,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,545,893</b>

**Desert Well 6 and 7 Connection to Falcon Field Zone (CP0021)****COUNCIL DISTRICT 6**

Connect groundwater wells Desert Wells 6 and 7 directly to the Falcon Field Zone. This will increase groundwater well production, by reducing total dynamic head requirements and will add more flexibility to the system.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2010 Water Bond	\$11,810	-	-	-	-	-	-	\$11,810
	2020 Water Bond	-	-	-	\$446,133	-	-	-	\$446,133
	<b>Sum:</b>	<b>\$11,810</b>	<b>-</b>	<b>-</b>	<b>\$446,133</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$457,943</b>

**Desert Well Zone Well Site Acquisition (CP0823)****COUNCIL DISTRICT 6**

Purchase land for two future wells sites in the DMB development.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Water Bond	-	-	-	\$278,833	\$286,121	-	-	\$564,954
	<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$278,833</b>	<b>\$286,121</b>	<b>-</b>	<b>-</b>	<b>\$564,954</b>

**Fire Hydrant Meters (CP0320)****CITYWIDE**

Purchase fire hydrant meters to ensure accurate measurement of construction water usage is captured to maintain water revenues. These improvements are planned over several fiscal years. This funds the purchase of meters only.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Water Bond	\$47,745	\$15,900	\$16,271	-	-	-	-	\$79,916
	2020 Water Bond	-	-	-	\$22,307	\$22,890	\$23,492	\$24,111	\$92,800
	Future Water Bond	-	-	-	-	-	-	\$50,079	\$50,079
	<b>Sum:</b>	<b>\$47,745</b>	<b>\$15,900</b>	<b>\$16,271</b>	<b>\$22,307</b>	<b>\$22,890</b>	<b>\$23,492</b>	<b>\$74,190</b>	<b>\$222,795</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Water Lifecycle****Fire Hydrant Replacement (CP0636)****CITYWIDE**

Replace fire hydrants that are beyond their useful life to ensure hydrants are operational when needed. These improvements are planned over several fiscal years.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Water Bond	\$800,492	\$374,710	\$383,441	-	-	-	-	\$1,558,643
	2020 Water Bond	-	-	-	\$481,823	\$494,416	\$507,421	\$520,793	\$2,004,453
	Future Water Bond	-	-	-	-	-	-	\$1,081,699	\$1,081,699
	<b>Sum:</b>	<b>\$800,492</b>	<b>\$374,710</b>	<b>\$383,441</b>	<b>\$481,823</b>	<b>\$494,416</b>	<b>\$507,421</b>	<b>\$1,602,492</b>	<b>\$4,644,795</b>

**Groundwater Treatment-Arsenic (CP0827)****COUNCIL DISTRICT 6**

Provide water treatment facility for future groundwater wells based on water quality results at the time of drilling.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2020 Water Bond	-	-	-	\$538,706	\$5,583,127	-	\$3,531,021	\$9,652,854
	<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$538,706</b>	<b>\$5,583,127</b>	<b>-</b>	<b>\$3,531,021</b>	<b>\$9,652,854</b>

**Horne Waterline Replacement: Marilyn Ave to Southern Ave (CP0366)****COUNCIL DISTRICT 4**

Install new water mains, and abandon aging water line. New water mains will extend along Horne Road between Marilyn Avenue to Southern Avenue. Work includes related equipment such as valves, hydrants and service lines.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2010 Electric Bond	-	\$1,676,812	-	-	-	-	-	\$1,676,812
	2014 Electric Bond	\$102,826	-	-	-	-	-	-	\$102,826
	2014 Gas Bond	\$97,978	-	-	-	-	-	-	\$97,978
	2014 Wastewater Bond	\$25,711	-	-	-	-	-	-	\$25,711
	2014 Water Bond	\$181,826	-	-	-	-	-	-	\$181,826
	<b>Sum:</b>	<b>\$408,340</b>	<b>\$1,676,812</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,085,152</b>

**Lindsay Pump Stations Rectifier Replacement (CP0855)****COUNCIL DISTRICT 1**

The existing rectifier at the Lindsay Pump Station is failing (overheating and leaking oil) and needs to be replaced. Electrical engineering services may be required to evaluate the integration of a universal rectifier.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	Utility Replacement Extension and Renewal - WTR	\$16,855	\$133,176	-	-	-	-	-	\$150,031
	<b>Sum:</b>	<b>\$16,855</b>	<b>\$133,176</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$150,031</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Water Lifecycle****Pump Station Rehabilitation (CP0640)****CITYWIDE**

Rehabilitate/replace equipment and material at existing pump stations. Work includes replacing vertical turbine pumps, motors, chlorine equipment, electric switch gear, instrumentation & controls.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Water Bond	\$1,536,786	\$169,494	-	-	-	-	-	\$1,706,280
	2020 Water Bond	-	-	-	\$1,713,150	\$2,490,507	\$646,022	\$663,046	\$5,512,725
	Future Water Bond	-	-	-	-	-	-	\$1,126,769	\$1,126,769
	<b>Sum:</b>	<b>\$1,536,786</b>	<b>\$169,494</b>	<b>-</b>	<b>\$1,713,150</b>	<b>\$2,490,507</b>	<b>\$646,022</b>	<b>\$1,789,815</b>	<b>\$8,345,774</b>

**Radio Communication Upgrade at Remote Water Facilities (CP0360)****CITYWIDE**

Replace aging radio communication facilities at Remote Water Facilities. Pumps, motors, and VFD's found to be failing or performing at substandard levels of efficiency must be repaired or replaced.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2010 Gas Bond	\$3,014	-	-	-	-	-	-	\$3,014
	2014 Wastewater Bond	\$872	-	-	-	-	-	-	\$872
	2014 Water Bond	\$121,347	-	-	\$920,149	-	-	-	\$1,041,496
	<b>Sum:</b>	<b>\$125,233</b>	<b>-</b>	<b>-</b>	<b>\$920,149</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,045,382</b>

**Re-drill Groundwater Wells (CP0642)****CITYWIDE**

Re-drill wells and replace old equipment at wells identified in the Water Master Plan to meet water demand. Work will include re-drilling the well and installing new equipment - new electric service, electrical & instrument components, pump & motor.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Water Bond	-	-	-	\$687,044	-	-	-	\$687,044
	2020 Water Bond	-	-	-	\$745,222	\$7,473,800	\$5,645,065	\$14,289,531	\$28,153,618
	Future Water Bond	-	-	-	-	-	-	\$443,679	\$443,679
	<b>Sum:</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,432,266</b>	<b>\$7,473,800</b>	<b>\$5,645,065</b>	<b>\$14,733,210</b>	<b>\$29,284,341</b>

**Reservoir Rehabilitation (CP0641)****CITYWIDE**

Replace failing equipment at City reservoirs in the water system. Equipment planned for replacement include cathodic protection equipment, liners, interior & exterior coatings & mixer equipment.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Water Bond	\$210,432	\$1,429,092	\$106,518	-	-	-	-	\$1,746,042
	2020 Water Bond	-	-	-	\$872,101	\$7,761,187	\$140,950	\$144,665	\$8,918,903
	Future Water Bond	-	-	-	-	-	-	\$3,709,113	\$3,709,113
	<b>Sum:</b>	<b>\$210,432</b>	<b>\$1,429,092</b>	<b>\$106,518</b>	<b>\$872,101</b>	<b>\$7,761,187</b>	<b>\$140,950</b>	<b>\$3,853,778</b>	<b>\$14,374,058</b>

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Water Lifecycle****Signal Butte Water Treatment Plant Equipment Replacement (CP0643)****COUNCIL DISTRICT 6**

Design and construct plant improvements and equipment replacement that will provide increased reliability and cost effective operation of the SBWTP. This includes rehab or replacement of bulk chemical tanks, pump and piping, sludge pumps and valves, etc.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Water Bond	-	-	-	\$5,576,660	-	-	-	\$5,576,660
	<b>Sum:</b>	-	-	-	\$5,576,660	-	-	-	\$5,576,660

**Val Vista Major Plant Improvements (CP0647)****COUNCIL DISTRICT 1**

Replace the liner at Reservoir 1 at the Val Vista Water Treatment Plant. The City assumed full ownership of Reservoir 1 as part of the 2012 Inter-Governmental Agreement with the City of Phoenix.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2020 Water Bond	-	-	-	\$223,066	\$2,311,854	-	-	\$2,534,920
	<b>Sum:</b>	-	-	-	\$223,066	\$2,311,854	-	-	\$2,534,920

**Water Aging Main Replacement (CP0464)****CITYWIDE**

Replace aging infrastructure to avoid service disruption.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Water Bond	\$4,207,687	\$186,247	\$4,058,257	-	-	-	-	\$8,452,191
	<b>Sum:</b>	\$4,207,687	\$186,247	\$4,058,257	-	-	-	-	\$8,452,191

**Water Meter Vault Rehabilitation (CP0860)****CITYWIDE**

Perform upgrades necessary for OSHA compliance & to reduce safety hazards for personnel & equipment. Improvements are planned over several fiscal years. Water Resources purchases the meters. Engineering oversees installation of meters.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Water Bond	\$1,464	\$958,770	\$981,109	-	-	-	-	\$1,941,343
	2020 Water Bond	-	-	-	\$1,065,142	\$1,092,981	\$1,121,730	\$1,151,289	\$4,431,142
	Future Water Bond	-	-	-	-	-	-	\$2,391,256	\$2,391,256
	<b>Sum:</b>	\$1,464	\$958,770	\$981,109	\$1,065,142	\$1,092,981	\$1,121,730	\$3,542,545	\$8,763,741

**Water Services Extension & Replacement (CP0650)****CITYWIDE**

Replace water services that have reached the end of their support lifecycle. Timely replacement will prevent service disruptions.

	Fund	Estimated Exp Through FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	Future Years (3)	Totals
Capital	2014 Water Bond	\$3,982	\$214,120	\$219,109	-	-	-	-	\$437,211
	2020 Water Bond	-	-	-	\$296,678	\$304,432	\$312,440	\$320,673	\$1,234,223
	Future Water Bond	-	-	-	-	-	-	\$666,046	\$666,046
	<b>Sum:</b>	\$3,982	\$214,120	\$219,109	\$296,678	\$304,432	\$312,440	\$986,719	\$2,337,480

**Capital Improvement Program Project Funding Summary**  
**Fiscal Years 2019 - 2023**

**Water Lifecycle****Water Valve Replacement (CP0651)****CITYWIDE**

Replace water valves that have reached the end of their support lifecycle. This work will prevent service disruptions.

	<b>Fund</b>	<b>Estimated Exp Through FY 17/18</b>	<b>FY 18/19</b>	<b>FY 19/20</b>	<b>FY 20/21</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>Future Years (3)</b>	<b>Totals</b>
Capital	2014 Water Bond	\$517,962	\$381,600	\$390,491	-	-	-	-	<b>\$1,290,053</b>
	2020 Water Bond	-	-	-	\$474,016	\$486,405	\$499,200	\$512,354	<b>\$1,971,975</b>
	Future Water Bond	-	-	-	-	-	-	\$1,003,936	<b>\$1,003,936</b>
	<b>Sum:</b>	<b>\$517,962</b>	<b>\$381,600</b>	<b>\$390,491</b>	<b>\$474,016</b>	<b>\$486,405</b>	<b>\$499,200</b>	<b>\$1,516,290</b>	<b>\$4,265,964</b>