

CAPITAL IMPROVEMENTS

CAPITAL IMPROVEMENTS BUDGET POLICY

For capital budgeting purposes, the Utility staff uses a strategic weighting scale to determine priorities for each of the scheduled projects. Criteria used to prioritize capital projects include regulatory requirements; aging and condition; overloaded infrastructure; environmental impacts; reliability; drought, customer service; other agency driven projects (street and highway construction); growth and new development; new water supplies, financial impacts; and operational efficiency. The Utility defines a capital expenditure as an asset with an individual cost of \$5,000 or more and an estimated useful life in excess of one year.

Due to state procurement laws and the nature of capital improvement expenditures, it generally takes more than one fiscal year to completely spend one year's appropriations. By law, EPWU cannot award a project unless it is fully funded. However, many large projects have multiple year and/or multiple phase construction periods. El Paso Water Utilities uses several benchmarks of efficiency to ensure capital budget integrity. These include timely completion clauses, aggressive efforts to minimize change orders, and tracking the progress of the overall **capital improvement plan (CIP)**. On an annual basis,

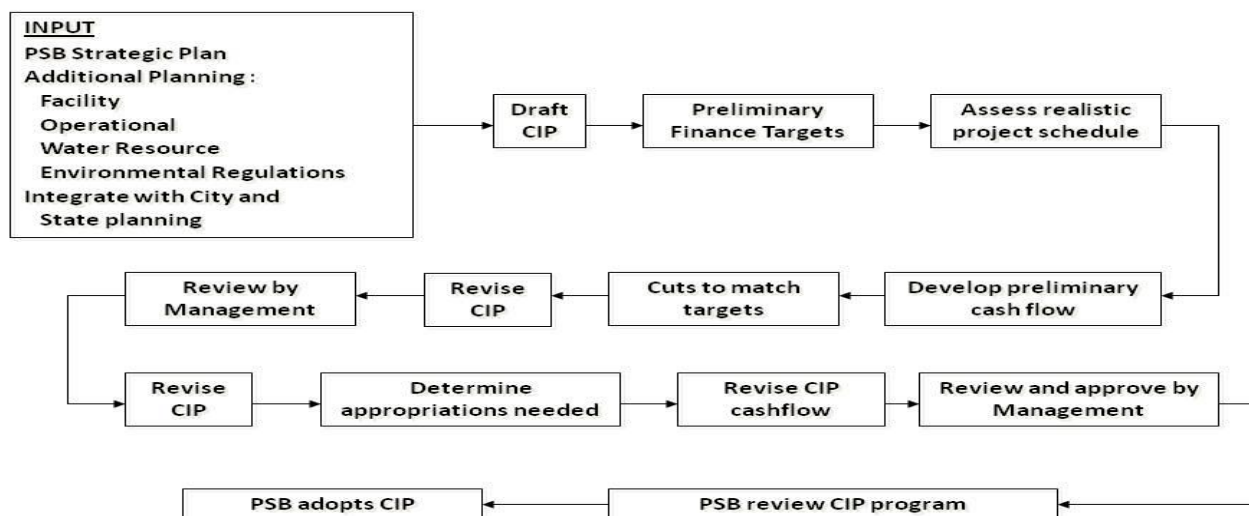
staff members from Engineering, Operations, and Finance update the CIP. The final CIP document stretches from a mid-year update out to a ten year planning horizon. It incorporates all known or likely to occur variables based on growth, maintenance of the current system, and addresses issues including new and/or probable regulatory requirements or political directives.

The following is a typical schedule for the development of a CIP budget:

- ❑ March 1 – fiscal year begins
- ❑ April to May – strategic planning updates to the 10 year capital plan
- ❑ August – Project managers gather information for 1st draft CIP budget
- ❑ September – draft CIP budget reviewed by Management and Finance
- ❑ October – revisions made to draft and presented to President/CEO
- ❑ November – Management approves capital budget and Finance assigns necessary funding
- ❑ November to December – budget workshops to review the operating and capital budget requests with the Public Service Board and the public can comment
- ❑ January – PSB approves and adopts the final combined operating and capital budget for the fiscal year beginning next March 1

This simplified flowchart graphically represents the entire capital budgeting process. In addition,

Annual Capital Improvement Program



operating costs related to new infrastructure is incorporated in the financial plan. There are numerous opportunities for staff updates, public input, and revisions, so this chart is a representative snapshot of a truly dynamic process.

BUDGET TRENDS IN FY 2015 – 2016

While the bulk of capital improvement efforts are geared towards serving the growth of the city, including water resource development, the Utility still pays diligent attention to replacement and rehabilitation of the system as a whole. Phased improvements to reservoirs, pump stations, lift stations, treatment plants, and distribution and collection lines are a critical part of the capital improvement program. This allows the Utility to boast over a 99.99% reliability rating and demonstrates why the TCEQ again rated the Utility a “Superior Water System.” Of the estimated \$94.9 million to be invested in plant and system improvements and additions in FY 2015-2016, the Utility estimates spending \$17.4 million to continue with the multi-year, multi-phase relocation of support facilities including the auto shop and warehouse, \$4.6 million in well drilling and equipping of high capacity water wells, \$5.0 million for the preliminary design of the advanced purified water plant. Currently the pilot plant is operating and in the testing phase and we are in continued negotiations with TCEQ that will set the operating conditions and processes for the full scale facility. \$8.0 million for new distribution water lines and pumping equipment, and \$13.9 million in rehabilitation of existing water infrastructure including \$2.5 million for water plants upgrades and emergencies. In addition, \$2.5 million is projected to be spent for emergency back-up power generators. On the wastewater side, the Utility estimates spending \$9.1 million in new collection systems and pumping facilities, \$12.7 million in rehabilitation of existing wastewater infrastructure and \$3.3 million in reclaimed water facilities improvements. Finally, the Utility’s geographic information system continues to expand and allow staff to take advantage of cutting edge tools in addressing Utility issues and priorities.

FY 2016 – 2017: MEETING FUTURE DEMANDS

Some capital projects were delayed in FY 2015-2016, therefore in FY 2016-2017 \$46.9 million of capital projects are already funded through prior years’ appropriations. Out of the \$289.9 million capital budget, \$240.9 million is from new appropriations. The capital budget continues to address acquisition of additional water sources, continued population growth and water demand, rehabilitation of water and wastewater infrastructure, and new water, wastewater and reclaimed water facilities to meet future demand:

- To meet the demands of growth both inside and outside the city, several projects are included in the FY 2016-2017 capital budget. One of these is the acquisition of land for “far” water importation project at an estimated cost of \$125.0 million.
- Construction of four reservoirs in the northeast, central and eastside of El Paso. These tanks will be built over two years at an estimated cost of \$26.0 million of which \$12.2 million will be spent during FY 2016-2017.
- A new strategic plan initiative is the implementation of a drought proof source of water. An advance purified water plant will be designed to produce drinking water. The Utility budgeted in FY 2016-2017 \$5.0 million for the preliminary design with the goal of treating 10 MGD in the near future for an estimated construction cost of \$129 million.
- The Utility will be constructing and equipping six water supply wells in the east and northeast areas of the city at an estimated cost of \$5.7 million.
- The Utility included \$12.0 million to provide emergency back-up power to major water facilities. This will be the fifth year of this multi-year \$30 million project.
- The capital budget also includes \$33.0 million for wastewater rehabilitation projects which includes \$6.8 million for

plant process optimization of wastewater plants.

- In addition, the budget includes \$22.36 million for the relocation of water operations, dispatch and central control. This project was accelerated with the request from the City to relocate the Rescue Mission to our fleet maintenance location.
- The Utility maintains the level of system rehabilitation and replacement, and compliance with existing and new federal and state regulatory mandates.

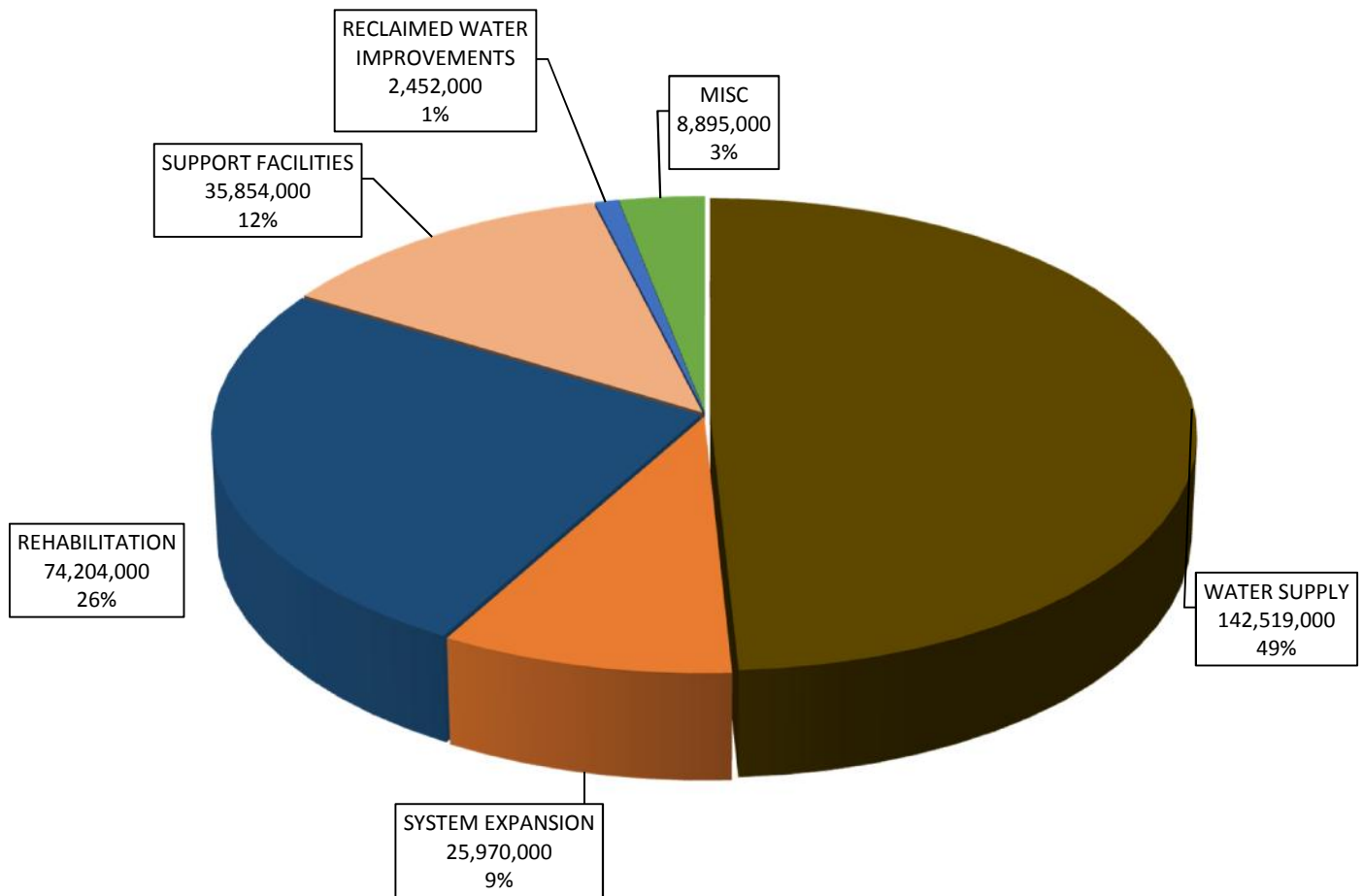
Other projects that make up the capital budget include planning, design, and construction phase work in all parts of town. Line replacement and rehabilitation will continue at a high level, with the most critical lines identified and repaired on a prioritized basis. The Utility continues to work with the County of El Paso to bring first-time public water service to areas outside the city limits by obtaining grants to provide this much needed service. The Utility continues to work in close conjunction with the City of El Paso and the Texas Department of Transportation in major street renovation and highway projects. As El Paso continues to assert its role as the most important city on the U.S.-Mexico border, more joint efforts with the Texas Department of Transportation, Texas Water Development Board, City of El Paso, and other governmental agencies will increase. Many of these projects are associated with state highways and associated rights-of-way, as El Paso remains a major thoroughfare into the 21st century.

FY 2016-2017

CAPITAL BUDGET SUMMARY

Combined Water + Wastewater+Miscellaneous*

Projected Expenditures



Total Capital Budget

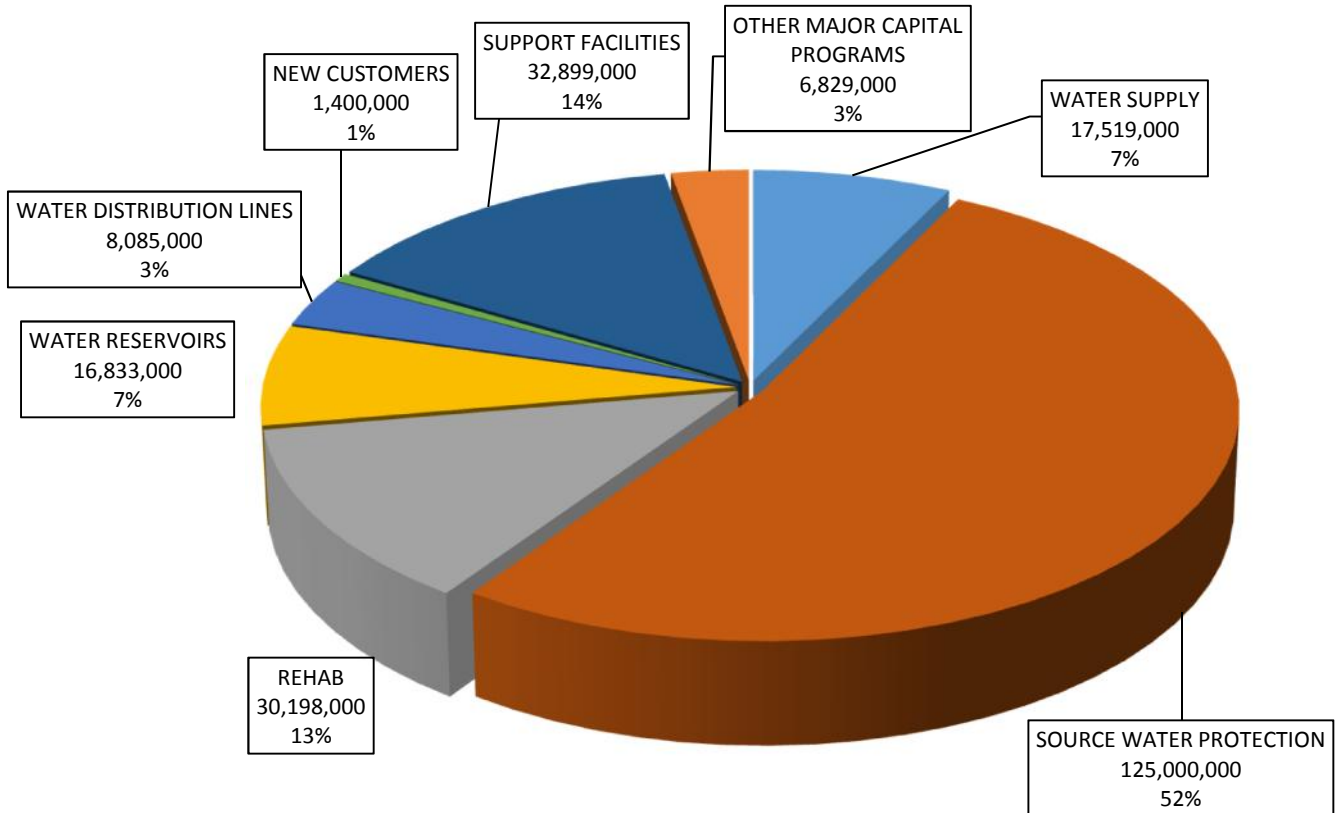
\$289,894,000

*Miscellaneous includes vehicles and construction equipment

FY 2016-2017

CAPITAL BUDGET SUMMARY

Projected Water Expenditures



Total Water Capital Budget
\$239,563,000

El Paso Water Utilities
Public Service Board
Capital Improvement Program
Funding for Fiscal Year 2016-2017

WATER SYSTEM IMPROVEMENT

Item #	Project	FY 2016-2017	FY 2016-2017	PROPOSED FUNDING SOURCES FOR NEW MONEY PROJECTS						
		Funding Request	Projected Expenditures	IMP	WSRC IMP	LAND RESERVE	CP	GRANT	BONDS	CIA
WATER SUPPLY FACILITIES		136,735,000	142,519,000							
1102	Well Construction, Plugging and Test Holes	827,000	5,710,000		827,000					
1109	JDF Injection Test Wells	703,000	703,000		703,000					
1113	Advanced Water Purification	5,000,000	5,000,000		5,000,000					
1114	Near Importation Turner Ranch	750,000	750,000		750,000					
1201	Jonathan Rogers WTP Expansion	300,000	375,000		300,000					
1301	Northeast Aquifer Storage and Recovery	204,000	204,000		204,000					
1401	Water Rights Including Land Acquisitions	2,070,000	2,070,000		2,070,000					
1402	Water Resource Plans (Hueco Modeling)	1,731,000	2,457,000				1,731,000			
1409	Lower Valley RO Concentrate		100,000							
1412	Land Acquisition - Hudspeth County	125,000,000	125,000,000		7,000,000	8,000,000	10,000,000		100,000,000	
1414	KBH - Inter-stage Booster Station	150,000	150,000		150,000					
RESERVOIRS		4,935,000	16,833,000							
2016	Rosemont Tank - Water Facilities Master Plan (2.5)	215,000	300,000	215,000						
2018A	Elevated Tanks		8,395,000							
2022	Franklin East #1A 2.5MG Elevated Tank I.F.		50,000							
2039	Airport Ground Tank		3,838,000							
2042	Heath Deleon Reservoir		100,000							
2043	Jackson Reservoir (2.5MG)	2,720,000	2,150,000	70,000			2,650,000			
2044	Americas Reservoir No. 2 Structural Rehabilitation	2,000,000	2,000,000				2,000,000			
DISTRIBUTION PUMPING EQUIPMENT		800,000	800,000							
3035	Heath de Leon Pump Station	800,000	800,000	800,000						
DISTRIBUTION LINES		6,550,000	8,085,000							
4003	Westwind/I-10-Resler (24")	200,000	200,000	200,000						
4049	Borderland/Strahan (16"/24") I.F.		52,000							
4050A	Eastside Planned Service Area (24") I.F.	2,080,000	2,080,000				2,080,000			
4057	Montana to Montwood 24" (DSM)	500,000	500,000				500,000			
4070	Montana East Supply Line	1,200,000	1,200,000				1,200,000			
4078	Resler North of Transmountain (24")		540,000							
4079	Canutillo (4 streets) (8") - Grant	852,000	988,000					852,000		
4082	Partello (30")	193,000	1,000,000	193,000						
4084	Hillcrest Water Distribution (Grant)	75,000	75,000					75,000		
4086	Fred Miller 36" to 54" to IH-10	150,000	150,000	150,000						
4088	RMA Project	1,300,000	1,300,000	1,300,000						
REHABILITATION		26,139,000	30,198,000							
5101	Meter Replacement	350,000	350,000	350,000						
5102	Primary Metering Wells/Pump Station Improvement		30,000							
5202	City of El Paso Community Development Bond Paving Projects City	1,500,000	3,000,000	1,500,000						
5203	TXDOT Water Improvement Projects	300,000	300,000	300,000						
5206	IBWC Service Line	200,000	200,000	200,000						
5212	Planned Pipeline Replacement	3,208,000	4,850,000	3,208,000						
5250	Central Business District Phase IV (City)	2,108,000	2,162,000	2,108,000						
5259	Sunset Heights	500,000	500,000				500,000			
5279	City Wide Large Diameter Replacement (60"-24")	2,470,000	2,548,000	248,000			2,222,000			
5282	Pipeline protection	396,000	396,000	396,000						
5285	Mesa Street, Crestmont-Festival 1 (24")	2,874,000	2,274,000				2,874,000			
5291	Rapid Transit System Program	137,000	212,000	137,000						
5292	Rosa 16" (UMC)	200,000	200,000	200,000						
5294	Dead End Mains	172,000	172,000	172,000						
5295	Dallas Clearing of Utilities Phase 2	685,000	685,000				685,000			
5301	Well Rehabilitation	1,521,000	1,793,000	1,521,000						
5406	Reservoir Rehabilitation	488,000	633,000	488,000						
5510	Plant Small Upgrades	2,404,000	2,802,000	1,382,000			1,022,000			

El Paso Water Utilities
Public Service Board
Capital Improvement Program
Funding for Fiscal Year 2016-2017

WATER SYSTEM IMPROVEMENT

		FY 2016-2017	FY 2016-2017	PROPOSED FUNDING SOURCES FOR NEW MONEY PROJECTS						
Item #	Project	Funding Request	Projected Expenditures	IMP	WSRC IMP	LAND RESERVE	CP	GRANT	BONDS	CIA
5511	Plant Emergency	102,000	102,000	102,000						
5512	Disinfection Byproduct Rule/Surface Water Rule Compliance	250,000	250,000	250,000						
5513	GAC Replacement	1,530,000	1,530,000	1,530,000						
5517	Canal Plant Discharge Lines	3,000,000	2,850,000						3,000,000	
5519	Iron Media Replacement		615,000							
5636	Various Valve & Pump Station Replacements	424,000	424,000	424,000						
5644	Zaragoza Reservoir Rehabilitation Study	120,000	120,000	120,000						
5645	Mesa Street 16-inch Water Main Rehabilitation	1,100,000	1,100,000	115,000			985,000			
5648	Master Meter Rehabilitation	100,000	100,000	100,000						
NEW CUSTOMERS		1,350,000	1,400,000							
6100	Meters	400,000	400,000							400,000
6200	Fire Hydrants	200,000	200,000							200,000
6300	Supplement for Oversize Lines	400,000	400,000	400,000						
6400	Supplement for Individual Payments	250,000	250,000	250,000						
6500	Extension from Contribution Payments	100,000	100,000	100,000						
6600	Taps Paid from Contribution Payments		50,000							
SUPPORT FACILITIES		20,699,000	32,899,000							
7001	Central Lab Upgrades	444,000	444,000	444,000						
7002	Process Automation/SCADA	100,000	300,000	100,000						
7003	Field Operation Yards	20,155,000	20,155,000						20,155,000	
7004	Emergency Back-up Power		12,000,000							
OTHER MAJOR CAPITAL PROJECTS		5,140,000	6,829,000							
8011	Information Technology Systems	1,004,000	2,064,000	1,004,000						
8012	Rehabilitation of PSB Properties	1,395,000	1,395,000	445,000			950,000			
8018	Security Upgrades-Water Facilities		50,000							
8025	Radio Equipment		20,000							
8027	Airport and Well Field Improvements	2,441,000	3,000,000				2,441,000			
8033	Water Facility Beautification	300,000	300,000	300,000						
TOTAL WATER		202,348,000	239,563,000	20,822,000	17,004,000	8,000,000	31,840,000	927,000	123,155,000	600,000



PROGRAM: Well Construction, Plugging and Test Holes		CIP # 1102
PROGRAM CATEGORY Water Supply Facilities		
PROJECT Drill and equip 6 water supply wells in the El Paso service area. Plug abandoned wells and drill test holes.		
Total Funding Request	\$827,000	
Funding Sources	WSRC IMP	
FY 2016-17 Projected Expenditures	\$5,710,000	
Total Project Cost	\$5,710,000	
Impact on Operating Budget	\$35,000	

PROGRAM: JDF Injection Test Wells		CIP # 1109
PROGRAM CATEGORY Water Supply Facilities		
PROJECT Repair & maintain injection wells		
Total Funding Request	\$703,000	
Funding Sources	WSRC IMP	
FY 2016-17 Projected Expenditures	\$703,000	
Total Project Cost	\$8,100,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Advanced Water Purification		CIP # 1113
PROGRAM CATEGORY Water Supply Facilities		
PROJECT Engineering Design of the Advanced Water Purification Plant.		
Total Funding Request	\$5,000,000	
Funding Sources	WSRC IMP	
FY 2016-17 Projected Expenditures	\$5,000,000	
Total Project Cost	\$129,000,000	
Impact on Operating Budget	Not available at this time	

PROGRAM: Near Importation Turner Ranch		CIP # 1114
PROGRAM CATEGORY Water Supply Facilities		
PROJECT Near Importation Turner Ranch		
Total Funding Request	\$750,000	
Funding Sources	WSRC IMP	
FY 2016-17 Projected Expenditures	\$750,000	
Total Project Cost	\$2,250,000	
Impact on Operating Budget	< \$5,000 Negligible	



PROGRAM: Jonathan Rogers WTP Expansion		CIP # 1201
PROGRAM CATEGORY Water Supply Facilities		
PROJECT Ozone System Installation		
Total Funding Request	\$300,000	
Funding Sources	WSRC IMP	
FY 2016-17 Projected Expenditures	\$375,000	
Total Project Cost	\$18,275,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Northeast Aquifer Storage and Recovery		CIP # 1301
PROGRAM CATEGORY Water Supply Facilities		
PROJECT Basins and Conveyance Systems to store treated water temporarily as it percolate into the Hueco Bolson.		
Total Funding Request	\$204,000	
Funding Sources	WSRC IMP	
FY 2016-17 Projected Expenditures	\$204,000	
Total Project Cost	\$5,790,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Water Rights Including Land Acquisitions		CIP # 1401
PROGRAM CATEGORY Water Supply Facilities		
PROJECT Water Rights including Land Acquisition – Purchase land to acquire and or protect water rights.		
Total Funding Request	\$2,070,000	
Funding Sources	WSRC IMP	
FY 2016-17 Projected Expenditures	\$2,070,000	
Total Project Cost	\$8,570,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Water Resource Plans (Hueco Modeling)		CIP # 1402
PROGRAM CATEGORY Water Supply Facilities		
PROJECT Modeling-provide a model for the flow and solute transport within the Hueco Bolson Construct water facilities to convey concentrate to Environmental Water Minerals Facilities for further processing		
Total Funding Request	\$1,731,000	
Funding Sources	CP	
FY 2016-17 Projected Expenditures	\$2,457,000	
Total Project Cost	\$2,907,000	
Impact on Operating Budget	< \$5,000 Negligible	



PROGRAM: Land Acquisition – Hudspeth County		CIP # 1412
PROGRAM CATEGORY Water Supply Facilities		
PROJECT Purchase land to acquire and protect water rights and to accommodate future water facilities		
Total Funding Request	\$125,000,000	
Funding Sources	WSRC IMP – \$7,000,000	
	LAND RESERVE - \$8,000,000	
	CP - \$10,000,000	
	BONDS - \$100,000,000	
FY 2016-17 Projected Expenditures	\$125,000,000	
Total Project Cost	\$250,000,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: KBH – Inter-stage Booster Station		CIP # 1414
PROGRAM CATEGORY Water Supply Facilities		
PROJECT		
Total Funding Request	\$150,000	
Funding Sources	WSRC IMP	
FY 2016-17 Projected Expenditures	\$150,000	
Total Project Cost	\$450,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Rosemont Tank – Water Facilities Master Plan (2.5)		CIP # 2016
PROGRAM CATEGORY Reservoirs		
PROJECT Construction of an additional water tank to supplement existing Rosemont Tank.		
Total Funding Request	\$215,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$300,000	
Total Project Cost	\$4,640,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Jackson Reservoir (2.5MG)		CIP # 2043
PROGRAM CATEGORY Reservoirs		
PROJECT Demolish existing water tank and construct replacement 2 MG water tank		
Total Funding Request	\$2,720,000	
Funding Sources	IMP - \$70,000	
	CP - \$2,650,000	
FY 2016-17 Projected Expenditures	\$2,150,000	
Total Project Cost	\$2,850,000	
Impact on Operating Budget	< \$5,000 Negligible	



PROGRAM: Americas Reservoir No. 2 Structural Rehabilitation		CIP # 2044
PROGRAM CATEGORY Reservoirs		
PROJECT Conduct structural repairs on existing 5 MG water tank		
Total Funding Request	\$2,000,000	
Funding Sources	CP	
FY 2016-17 Projected Expenditures	\$2,000,000	
Total Project Cost	\$2,000,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Heath de Leon Pump Station		CIP # 3035
PROGRAM CATEGORY Distribution Pumping Equipment		
PROJECT Demolish existing pumping station and construct new Heath de Leon Pumping Sta.		
Total Funding Request	\$800,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$800,000	
Total Project Cost	\$4,800,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Westwind/I-10 Resler (24")		CIP # 4003
PROGRAM CATEGORY Distribution Lines		
PROJECT Resler Drive water main from Westwind to IH-10.		
Total Funding Request	\$200,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$200,000	
Total Project Cost	\$2,900,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Eastside Planned Service Area (24") I.F.		CIP # 4050A
PROGRAM CATEGORY Distribution Lines		
PROJECT Edgemere Blvd. and Vista Del Este 16" diameter water mains.		
Total Funding Request	\$2,080,000	
Funding Sources	CP	
FY 2016-17 Projected Expenditures	\$2,080,000	
Total Project Cost	\$7,662,000	
Impact on Operating Budget	< \$5,000 Negligible	



PROGRAM: Montana to Montwood 24" (DSM)		CIP # 4057
PROGRAM CATEGORY Distribution Lines		
PROJECT Yarbrough Blvd, from Montana to Montwood 24" water main.		
Total Funding Request	\$500,000	
Funding Sources	CP	
FY 2016-17 Projected Expenditures	\$500,000	
Total Project Cost	\$2,300,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Montana East Supply Line		CIP # 4070
PROGRAM CATEGORY Distribution Lines		
PROJECT Montana East Supply Water line to service East Montana Pressure Zone.		
Total Funding Request	\$1,200,000	
Funding Sources	CP	
FY 2016-17 Projected Expenditures	\$1,200,000	
Total Project Cost	\$1,200,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Canutillo (4 streets) (8") – Grant		CIP # 4079
PROGRAM CATEGORY Distribution Lines		
PROJECT Canutillo Areas 1 and 2 Water Distribution System.		
Total Funding Request	\$852,000	
Funding Sources	GRANT	
FY 2016-17 Projected Expenditures	\$988,000	
Total Project Cost	\$988,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Partello (30") Water Line		CIP # 4082
PROGRAM CATEGORY Distribution Lines		
PROJECT Partello Street 30" water transmission main phase II.		
Total Funding Request	\$193,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$1,000,000	
Total Project Cost	\$1,000,000	
Impact on Operating Budget	< \$5,000 Negligible	



PROGRAM: Hillcrest Water Distribution (Grant)		CIP # 4084
PROGRAM CATEGORY	Distribution Lines	
PROJECT	Hillcrest Water Distribution System.	
Total Funding Request	\$75,000	
Funding Sources	GRANT	
FY 2016-17 Projected Expenditures	\$75,000	
Total Project Cost	\$8,818,000	
Impact on Operating Budget	< \$5,000 Negligible	

Program: Fred Miller 36" to 54" to IH-10		CIP # 4086
PROGRAM CATEGORY	Distribution Lines	
PROJECT	Fred Miller Reservoir to IH-10 36" diameter water transmission main.	
Total Funding Request	\$150,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$150,000	
Total Project Cost	\$4,050,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: RMA Project – City Street Car		CIP # 4088
PROGRAM CATEGORY	Distribution Lines	
PROJECT	RMA City Street Car Project.	
Total Funding Request	\$1,300,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$1,300,000	
Total Project Cost	\$3,900,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Meter Replacement		CIP # 5101
PROGRAM CATEGORY	Rehabilitation	
PROJECT	Meter replacement program.	
Total Funding Request	\$350,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$350,000	
Total Project Cost	\$3,500,000	
Impact on Operating Budget	None	



PROGRAM: City of El Paso Community Development		CIP # 5202
Bond Paving Projects		
PROGRAM CATEGORY	Rehabilitation	
PROJECT	City of El Paso Community Development Bond Paving Project.	
Total Funding Request	\$1,500,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$3,000,000	
Total Project Cost	\$21,000,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: TXDOT Water Improvement Projects		CIP # 5203
PROGRAM CATEGORY	Rehabilitation	
PROJECT	Various TxDOT projects requiring water main replacements.	
Total Funding Request	\$300,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$300,000	
Total Project Cost	\$4,800,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: IBWC Service Line		CIP # 5206
PROGRAM CATEGORY	Rehabilitation	
PROJECT	Paisano Street 8" diameter water main.	
Total Funding Request	\$200,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$200,000	
Total Project Cost	\$200,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Planned Pipeline Replacement		CIP # 5212
PROGRAM CATEGORY	Rehabilitation	
PROJECT	A multi-year, multi-phase maintenance program to upgrade the water distribution pipeline infrastructure and prevent line breaks in the system city-wide. About 50% of this program is performed by EPWU construction forces and 50% through bid construction work.	
Total Funding Request	\$3,208,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$4,850,000	
Total Project Cost	\$32,190,000	
Impact on Operating Budget	< \$5,000 Negligible	



PROGRAM: Central Business District Phase IV (City)		CIP # 5250
PROGRAM CATEGORY Rehabilitation		
PROJECT Central Business District Improvement Project (Phase IV), replacement of water mains.		
Total Funding Request	\$2,108,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$2,162,000	
Total Project Cost	\$2,162,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Sunset Heights		CIP # 5259
PROGRAM CATEGORY Rehabilitation		
PROJECT Sunset Heights water replacement phase II project.		
Total Funding Request	\$500,000	
Funding Sources	CP	
FY 2016-17 Projected Expenditures	\$500,000	
Total Project Cost	\$1,000,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: City Wide Large Diameter Replacement (60"-24")		CIP # 5279
PROGRAM CATEGORY Rehabilitation		
PROJECT Roseway Street 24" Diameter Water Replacement Project		
Total Funding Request	\$2,470,000	
Funding Sources	IMP- \$248,000	
	CP - \$2,222,000	
FY 2016-17 Projected Expenditures	\$2,548,000	
Total Project Cost	\$11,548,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Pipeline Protection		CIP # 5282
PROGRAM CATEGORY Rehabilitation		
PROJECT Pipeline Protection Systems		
Total Funding Request	\$396,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$396,000	
Total Project Cost	\$396,000	
Impact on Operating Budget	< \$5,000 Negligible	



PROGRAM: Mesa Street Crestmont-Festival 1 (24")		CIP # 5285
PROGRAM CATEGORY Rehabilitation		
PROJECT Mesa Street Watermain Replacement Project Phase III-Crestmont to Festival 1		
Total Funding Request	\$2,874,000	
Funding Sources	CP	
FY 2016-17 Projected Expenditures	\$2,274,000	
Total Project Cost	\$2,874,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Rapid Transit System Program		CIP # 5291
PROGRAM CATEGORY Rehabilitation		
PROJECT Rapid Transit System-Watermain Relocation		
Total Funding Request	\$137,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$212,000	
Total Project Cost	\$212,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Rosa 16" (UMC)		CIP # 5292
PROGRAM CATEGORY Rehabilitation		
PROJECT Rosa Street – 16" Diameter Watermain Extension		
Total Funding Request	\$200,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$200,000	
Total Project Cost	\$1,200,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Dead End Mains		CIP # 5294
PROGRAM CATEGORY Rehabilitation		
PROJECT Installation of Flush Valves in Dead End Watermains		
Total Funding Request	\$172,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$172,000	
Total Project Cost	\$172,000	
Impact on Operating Budget	< \$5,000 Negligible	



PROGRAM: Dallas Clearing of Utilities Phase 2		CIP # 5295
PROGRAM CATEGORY Rehabilitation		
PROJECT Dallas Street Clearing of Utilities Phase 2-remove or replace water mains located within the Dallas Street Box Culvert		
Total Funding Request	\$685,000	
Funding Sources	CP	
FY 2016-17 Projected Expenditures	\$685,000	
Total Project Cost	\$685,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Well Rehabilitation		CIP # 5301
PROGRAM CATEGORY Rehabilitation		
PROJECT Well Rehabilitation-This program is to provide for various improvements to well sites including installation of blow-offs, replacement of obsolete switch gears and motor control centers, and access improvements.		
Total Funding Request	\$1,521,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$1,793,000	
Total Project Cost	\$12,293,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Reservoir Rehabilitation		CIP # 5406
PROGRAM CATEGORY Rehabilitation		
PROJECT Americas Reservoir #2 Rehabilitation Project		
Total Funding Request	\$488,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$633,000	
Total Project Cost	\$3,383,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Plant Small Upgrades		CIP # 5510
PROGRAM CATEGORY Rehabilitation		
PROJECT Small Plant Upgrades-Small in-house upgrades and repairs to the surface water treatment plants such as electric motors and chemical equipment.		
Total Funding Request	\$2,404,000	
Funding Sources	IMP – \$1,382,000 CP – \$1,022,000	
FY 2016-17 Projected Expenditures	\$2,802,000	
Total Project Cost	\$9,592,000	
Impact on Operating Budget	< \$5,000 Negligible	



PROGRAM: Plan Emergency		CIP # 5511
PROGRAM CATEGORY Rehabilitation		
PROJECT Plant Emergencies-Unplanned or emergency repairs to any of the Water Treatment Plants		
Total Funding Request	\$102,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$102,000	
Total Project Cost	\$1,020,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Disinfection Byproduct Rule/Surface Water Rule Compliance		CIP # 5512
PROGRAM CATEGORY Rehabilitation		
PROJECT Installation of Scrubbers at various water reservoirs.		
Total Funding Request	\$250,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$250,000	
Total Project Cost	\$850,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: GAC Replacement		CIP # 5513
PROGRAM CATEGORY Rehabilitation		
PROJECT Replacement of Granular Activated Carbon Filters- Canal WTP Filters 1,2,3,4,5,6 And JRWTP Filters 1,2,3		
Total Funding Request	\$1,530,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$1,530,000	
Total Project Cost	\$9,955,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Canal Plant Discharge Lines		CIP # 5517
PROGRAM CATEGORY Rehabilitation		
PROJECT Canal WTP- Discharge Lines Replacement Project (54" Diameter Watermain)		
Total Funding Request	\$3,000,000	
Funding Sources	BONDS	
FY 2016-17 Projected Expenditures	\$2,850,000	
Total Project Cost	\$24,150,000	
Impact on Operating Budget	< \$5,000 Negligible	



PROGRAM:	Various Valve & Pump Station Replacements	CIP # 5636
PROGRAM CATEGORY	Rehabilitation	
PROJECT	Various Valve and Pump Replacements	
Total Funding Request	\$424,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$424,000	
Total Project Cost	\$1,834,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM:	Zaragoza Reservoir Rehabilitation Study	CIP # 5644
PROGRAM CATEGORY	Rehabilitation	
PROJECT	Zaragoza Reservoir Rehabilitation Study-Evaluation of Reservoir Side Slopes	
Total Funding Request	\$120,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$120,000	
Total Project Cost	\$120,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM:	Mesa Street 16-inch Water Main Rehabilitation	CIP # 5645
PROGRAM CATEGORY	Rehabilitation	
PROJECT	Mesa Street Water Replacement Phase IV-Fred Miller PS to Champions Drive	
Total Funding Request	\$1,100,000	
Funding Sources	IMP – \$115,000 CP – \$985,000	
FY 2016-17 Projected Expenditures	\$1,100,000	
Total Project Cost	\$1,100,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM:	Master Meter Rehabilitation	CIP # 5648
PROGRAM CATEGORY	Rehabilitation	
PROJECT	Master Meter Rehabilitation	
Total Funding Request	\$100,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$100,000	
Total Project Cost	\$100,000	
Impact on Operating Budget	< \$5,000 Negligible	



PROGRAM: Meters		CIP #6100
PROGRAM CATEGORY	New Customers	
PROJECT	Meters-Meters for new customers	
Total Funding Request	\$400,000	
Funding Sources	CIA	
FY 2016-17 Projected Expenditures	\$400,000	
Total Project Cost	\$4,000,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Fire Hydrants		CIP #6200
PROGRAM CATEGORY	New Customers	
PROJECT	Fire Hydrants-New fire hydrants for developing areas	
Total Funding Request	\$200,000	
Funding Sources	CIA	
FY 2016-17 Projected Expenditures	\$200,000	
Total Project Cost	\$2,000,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Supplement for Oversize Lines		CIP #6300
PROGRAM CATEGORY	New Customers	
PROJECT	Supplement for Oversize Lines-Payment to developers toward master plan lines installed greater than 12-inches which will also serve other developments.	
Total Funding Request	\$400,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$400,000	
Total Project Cost	\$400,000 annually	
Impact on Operating Budget	none	

PROGRAM: Supplement for Individual Payments		CIP #6400
PROGRAM CATEGORY	New Customers	
PROJECT	Supplement for Individual Payments-EPWU's share of the line extension cost to serve new customers.	
Total Funding Request	\$250,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$250,000	
Total Project Cost	\$250,000 annually	
Impact on Operating Budget	None	



PROGRAM: Extension from Contribution Payments		CIP #6500
PROGRAM CATEGORY	New Customers	
PROJECT	Extension from Contribution Payments-Customer financed extension of lines.	
Total Funding Request	\$100,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$100,000	
Total Project Cost	\$100,000 annually	
Impact on Operating Budget	None	

PROGRAM: Taps from Contribution Payments		CIP # 6600
PROGRAM CATEGORY	New Customers	
PROJECT	Taps from Contribution Payments	
Total Funding Request	\$50,000	
Funding Sources	IMP \$50,000	
FY 2016-17 Projected Expenditures	\$50,000	
Total Project Cost	\$50,000 annually	
Impact on Operating Budget	None	

PROGRAM: Central Lab Upgrades		CIP # 7001
PROGRAM CATEGORY	Support Facilities	
PROJECT		
Total Funding Request	\$444,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$444,000	
Total Project Cost	\$1,244,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Process Automation/SCADA		CIP # 7002
PROGRAM CATEGORY	Support Facilities	
PROJECT	Process Automation /SCADA-Water-Upgrade SCADA Facilities	
Total Funding Request	\$100,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$300,000	
Total Project Cost	\$300,000 annually	
Impact on Operating Budget	< \$5,000 Negligible	



PROGRAM: Field Operation Yards		CIP # 7003
PROGRAM CATEGORY Support Facilities		
PROJECT Field Operations Yards-Fleet Maintenance & Warehouse (Phase 1) and Field Office (Phase 2)		
Total Funding Request	\$20,155,000	
Funding Sources	BONDS	
FY 2016-17 Projected Expenditures	\$20,155,000	
Total Project Cost	\$20,155,000	
Impact on Operating Budget	\$50,000 per year	

PROGRAM: Information Technology Systems		CIP # 8011
PROGRAM CATEGORY Other Major Capital Projects		
PROJECT MIS Hardware/Software Purchases; HR/Payroll Software Replacement; Strategic IT Master Plan Update; Customer Information System Replacement Assessment; Laboratory Information System; Program Management Software		
Total Funding Request	\$1,004,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$2,064,000	
Total Project Cost	\$8,770,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Rehabilitation of PSB Properties		CIP # 8012
PROGRAM CATEGORY Other Major Capital Projects		
PROJECT EPWU Call Center Construction; Water Facilities Building Improvements.		
Total Funding Request	\$1,395,000	
Funding Sources	IMP – \$445,000 CP – \$950,000	
FY 2016-17 Projected Expenditures	\$1,395,000	
Total Project Cost	\$2,295,000	
Impact on Operating Budget	< \$5,000 Negligible	

PROGRAM: Airport and Well Field Improvements		CIP # 8027
PROGRAM CATEGORY Other Major Capital Projects		
PROJECT Airport Well Field Improvements		
Total Funding Request	\$2,441,000	
Funding Sources	CP	
FY 2016-17 Projected Expenditures	\$3,000,000	
Total Project Cost	\$7,500,000	
Impact on Operating Budget	< \$5,000 Negligible	

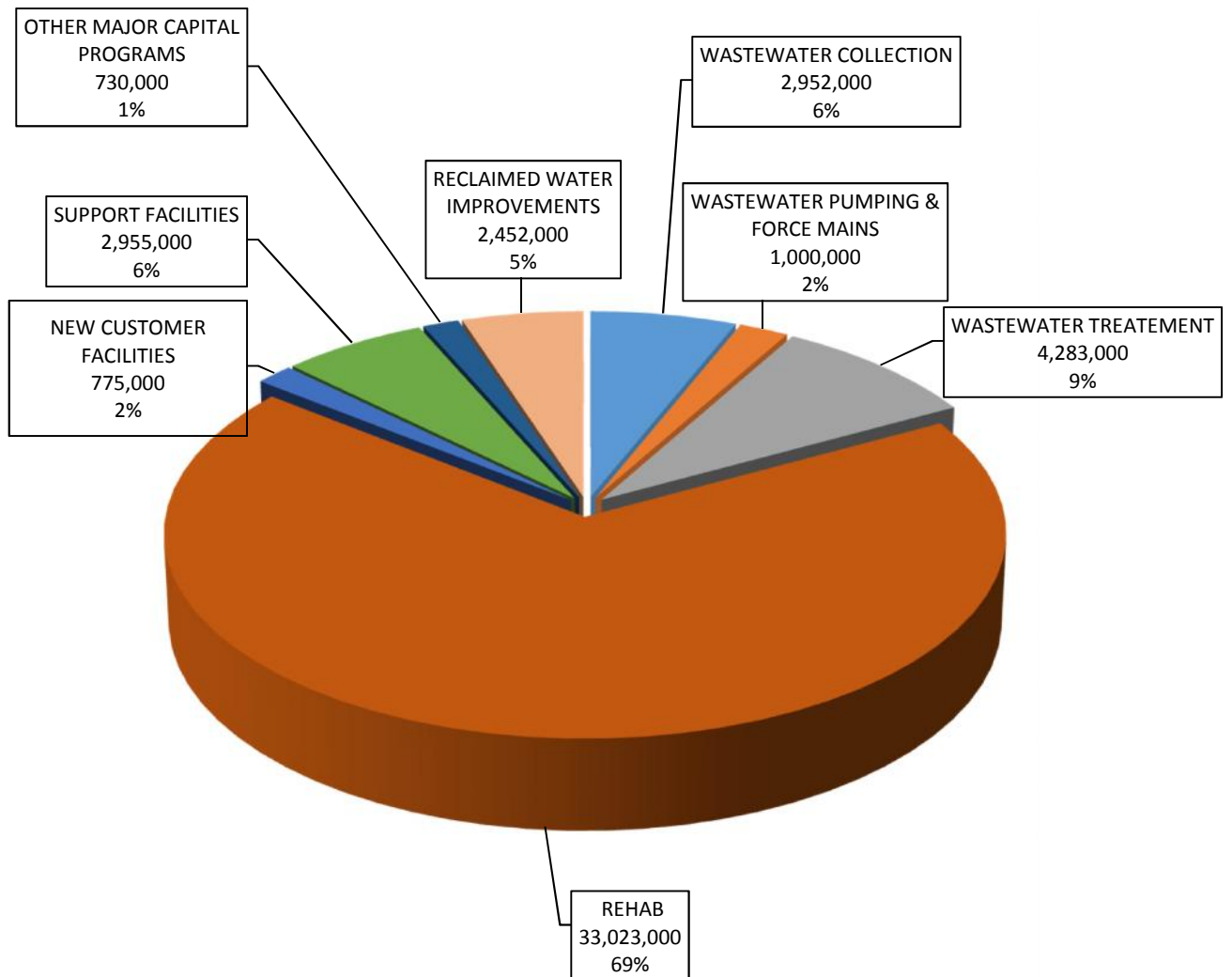


PROGRAM: Water Facility Beautification		CIP # 8033
PROGRAM CATEGORY	Other Major Capital Projects	
PROJECT	Water Facility Beautification- Improve appearance of Water Facilities	
Total Funding Request	\$300,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$300,000	
Total Project Cost	\$600,000	
Impact on Operating Budget	\$10,000 per year	

FY 2016-2017

CAPITAL BUDGET SUMMARY

Projected Wastewater Expenditures
(Including Reclaimed Water System)



Total Wastewater Capital Budget
\$48,170,000

El Paso Water Utilities
Public Service Board
Capital Improvement Program
Funding for Fiscal Year 2016-2017

WASTEWATER SYSTEM IMPROVEMENTS

		FY 2016-2017	FY 2016-2017	PROPOSED FUNDING SOURCES FOR NEW MONEY PROJECTS						
Item #	Project	Funding Request	Projected Expenditures	IMP	WSRC IMP	LAND RESERVE	CP	GRANT	BONDS	CIA
COLLECTION SYSTEM		3,345,000	2,952,000							
1209	Miranda,Roxanne,Lakehurst Relief	900,000	500,000				900,000			
1218A	Other East Interceptors (Area 8) I.F. - Edgemere Extension Phase 2 & 4	879,000	1,293,000				879,000			
1241	WW Diversion from Haskell St WWTP to Fred Hervey - Engineering	647,000	647,000	647,000						
1248	Montana Vista Planning - Grant		259,000							
1251	Canutillo (4-Streets) (Grant	919,000	253,000					919,000		
PUMPING AND FORCE MAINS		-	1,000,000							
2016	Canutillo Independent School District Lift Station (0.13 MGD)		1,000,000							
TREATMENT		1,543,000	4,283,000							
3004	Fred Hervey WRF Digester No. 2 Mixer Improvement		90,000							
3021	Odor Control, John T. Hickerson, Delta	367,000	2,767,000	200,000			167,000			
3021B	Haskell WWTP Odor Control	1,176,000	1,176,000	676,000			500,000			
3025	FOG Receiving Station		250,000							
REHABILITATION		29,746,000	33,023,000							
4101	Routine Line Rehabilitation	300,000	1,500,000	300,000						
4102	City of El Paso Community Development Bond Paving Projects City	1,500,000	2,600,000	1,500,000						
4103	TXDOT Wastewater Improvements	600,000	1,600,000	600,000						
4104	RMA Project	400,000	400,000	400,000						
4111	Manholes		50,000							
4166	Kern Place - Relocation of Mains		200,000							
4172	Boone Interceptor	500,000	500,000	500,000						
4179	Upper Valley Outfall Relocation (IBWC)	2,905,000	2,180,000				2,905,000			
4185	Hueco Mountain Estate Rehab		110,000							
4189	Various Small Diameter Sewer Line Replacements	200,000	200,000	200,000						
4208	Small Plant Upgrades	610,000	610,000	610,000						
4209	Plant Emergencies	255,000	255,000	255,000						
4223	John T. Hickerson Filter Retrofit		1,052,000							
4224	Plant Process Optimization (Bustamante, Hickerson, Haskell)	5,732,000	6,771,000	487,000					5,245,000	
4226	Primary Clarifier Rehab	2,777,000	3,000,000	177,000					2,600,000	
4231	Haskell WWTP & Fred Hervey WRP Emergency Power	1,129,000	1,435,000	129,000			1,000,000			
4301	Lift Station Replacement	850,000	850,000	850,000						
4307	Routine Lift Station Rehab (Sec 620) Emergency Cont.	2,105,000	2,105,000				2,105,000			
4309	Grouse Street Force Main Assessment	2,568,000	1,750,000	225,000			2,343,000			
4315	Clarde Fox Lift Station		300,000							
4316	Dallas Clearing of Utilities Phase 2	800,000	800,000				800,000			
4318	Bustamante WWTP Generator Controls Completion		100,000							
4320	Fred Hervey WRP Sludge Bed Liner Replacement	2,190,000	1,350,000				2,190,000			
4324	Haskell WWTP Headworks Effluent Piping	2,560,000	1,910,000				2,560,000			
4326	Haskell WWTP Digester Heating	840,000	470,000	70,000			770,000			
4329	Montana Avenue Sewer Main Replacement Phase II	925,000	925,000	125,000			800,000			
NEW CUSTOMER FACILITIES		775,000	775,000							
5100	Line Relocation	100,000	100,000	100,000						
5200	Supplement for Oversize Lines	350,000	350,000	350,000						
5300	Supplement for Individual Payments	300,000	300,000	300,000						
5400	Lines Financed by Contribution	25,000	25,000	25,000						
7000 VII. SUPPORT FACILITIES		900,000	2,955,000							
7002	Field Operation Yards - Construction		2,205,000							
7003	Process Automation SCADA-Sewer	900,000	600,000				900,000			
7006	HaskellWWTP Asset Management Program		150,000							
OTHER MAJOR CAPITAL PROJECTS		250,000	730,000							
8003	Security Upgrades - Sewer Facilities		230,000							
8005	Sewer Facility Beautification		200,000							
8006	County wide waste water plan		50,000							
8007	Fred Hervey Water Reclamatin Plant Access Road Assessment	250,000	250,000	250,000						
TOTAL WASTEWATER		36,559,000	45,718,000	8,976,000	-	-	18,819,000	919,000	7,845,000	

El Paso Water Utilities
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RECLAIMED AND BRACKISH WATER SYSTEM IMPROVEMENTS

Item #	Project	FY 2016-2017 Funding Request	FY 2016-2017 Projected Expenditures	PROPOSED FUNDING SOURCES FOR NEW MONEY PROJECTS						
				IMP	WSRC IMP	LAND RESERVE	CP	GRANT	BONDS	CIA
WASTEWATER REUSE DISTRIBUTION SYSTEM		1,950,000	2,452,000							
6011	Pipeline Cathodic Protection		202,000							
6018	Centennial Park Project		300,000							
6023	TxDOT Relocations	1,550,000	1,550,000	200,000			1,350,000			
6025	UTEP Reclaimed Water Treatment System	400,000	400,000	400,000						
TOTAL RECLAIMED AND BRACKISH WATER IMPROVEMENTS		1,950,000	2,452,000	600,000	-	-	1,350,000	-	-	-
TOTAL COMBINED SYSTEM IMPROVEMENTS		240,857,000	287,733,000	30,398,000	17,004,000	8,000,000	52,009,000	1,846,000	131,000,000	600,000
TOTAL WATER		202,348,000	239,563,000	20,822,000	17,004,000	8,000,000	31,840,000	927,000	123,155,000	600,000
TOTAL WASTEWATER		36,559,000	45,718,000	8,976,000	-	-	18,819,000	919,000	7,845,000	-
TOTAL RECLAIMED AND BRACKISH WATER IMPROVEMENTS		1,950,000	2,452,000	600,000	-	-	1,350,000	-	-	-
		240,857,000	287,733,000	30,398,000	17,004,000	8,000,000	52,009,000	1,846,000	131,000,000	600,000



PROGRAM:	Miranda, Roxanne, Lakehurst Relief	CIP # 1209
PROGRAM CATEGORY	Collection System	
PROJECT	As identified by the 1999 NW Wastewater Facility Plan Amendment report, this system consists of various stretches of new 15-inch sewer mains extending from Doniphan at Miranda, east along Roxanne and ultimately to the East Side of I-10 at Lakehurst.	
Total Funding Request	\$900,000	
Funding Sources	CP	
FY 2016-17 Projected Expenditures	\$500,000	
Total Project Cost	\$6,699,400	
Impact on Operating Budget	Negligible	

PROGRAM:	Other East Interceptors (Area 8) I.F. – Edgemere Extension Phase 2 & 4	CIP # 1218A
PROGRAM CATEGORY	Collection System	
PROJECT	Construction of a 24-inch gravity sanitary sewer main along the extension of Edgemere Blvd from Tim Floyd Drive to Vista Del Este Drive.	
Total Funding Request	\$879,000	
Funding Sources	CP	
FY 2016-17 Projected Expenditures	\$1,293,000	
Total Project Cost	\$1,293,000	
Impact on Operating Budget	Negligible	

PROGRAM:	WW Diversion from Haskell St WWTP to Fred Hervey – Engineering	CIP # 1241
PROGRAM CATEGORY	Collection System	
PROJECT	This project will divert sanitary sewer flow currently conveyed to the Haskell Street WWTP to the Fred Hervey WRP.	
Total Funding Request	\$647,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$647,000	
Total Project Cost	\$647,000	
Impact on Operating Budget	None	

**PROGRAM: Canutillo (4-Streets) Grant CIP # 1251****PROGRAM CATEGORY** Collection System**PROJECT** Install a public sanitary sewer system within 4 streets located within the Canutillo Area, (Georgia, Norma, La Mesa, & 7th Street).**Total Funding Request** \$919,000**Funding Sources** GRANT**FY 2016-17 Projected Expenditures** \$253,000**Total Project Cost** \$500,000**Impact on Operating Budget** Negligible**PROGRAM: Odor Control, John T. Hickerson, Delta CIP # 3021****PROGRAM CATEGORY** Treatment**PROJECT** Study, design and construct a bioscrubber system to reduce odors from the aeration channel at the John T. Hickerson Water Reclamation Facility.**Total Funding Request** \$367,000**Funding Sources** IMP – \$200,000
CP – \$167,000**FY 2016-17 Projected Expenditures** \$2,767,000**Total Project Cost** \$2,767,000**Impact on Operating Budget** \$10,000/ year**PROGRAM: Haskell WWTP Odor Control CIP # 3021B****PROGRAM CATEGORY** Treatment**PROJECT** Study, design and construct a bioscrubber system to reduce odors from the Haskell Street WWTP head works pump station.**Total Funding Request** \$1,176,000**Funding Sources** IMP – \$676,000
CP – \$500,000**FY 2016-17 Projected Expenditures** \$1,176,000**Total Project Cost** \$2,500,000**Impact on Operating Budget** \$10,000/ Year**PROGRAM: Routine Line Rehabilitation CIP # 4101****PROGRAM CATEGORY** Rehabilitation**PROJECT** Routine Line Replacement – Replace aging/infiltrating collection lines**Total Funding Request** \$300,000**Funding Sources** IMP**FY 2016-17 Projected Expenditures** \$1,500,000**Total Project Cost** \$2,000,000.**Impact on Operating Budget** Negligible



PROGRAM:	City of El Paso Community Development Bond Paving Projects	CIP # 4102
PROGRAM CATEGORY	Rehabilitation	
PROJECT	City of El Paso Community Development Bond Paving Projects- Replace lines in conjunction with City and TXDOT projects.	
Total Funding Request	\$1,500,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$2,600,000	
Total Project Cost	\$50,000 Annually	
Impact on Operating Budget	Negligible	

PROGRAM:	TXDOT Wastewater Improvements	CIP #4103
PROGRAM CATEGORY	Rehabilitation	
PROJECT	TXDOT projects where sanitary sewer lines need to be relocated.	
Total Funding Request	\$600,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$1,600,000	
Total Project Cost	\$50,000 Annually	
Impact on Operating Budget	Negligible	

PROGRAM:	RMA Project	CIP # 4104
PROGRAM CATEGORY	Rehabilitation	
PROJECT	City of El Paso Street Car Project – Sanitary Sewer mains to be relocated due to City Street Car Project.	
Total Funding Request	\$400,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$400,000	
Total Project Cost	\$400,000	
Impact on Operating Budget	Negligible	

PROGRAM:	Boone Interceptor	CIP # 4172
PROGRAM CATEGORY	Rehabilitation	
PROJECT	Investigate the possibility of rehabilitating the existing three Boone Interceptors or Design and Construct a second replacement Boone Siphon.	
Total Funding Request	\$500,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$500,000	
Total Project Cost	\$5,200,000	
Impact on Operating Budget	Negligible	



PROGRAM:	Upper Valley Outfall Relocation (IBWC)	CIP # 4179
PROGRAM CATEGORY	Rehabilitation	
PROJECT	Relocate portions of the Upper Valley Outfall in conflict with Proposed IBWC Levee and Canal Improvements. Also investigate and provide recommendations to replace deteriorated sections of the gravity part of the outfall.	
Total Funding Request	\$2,905,000	
Funding Sources	CP	
FY 2016-17 Projected Expenditures	\$2,180,000	
Total Project Cost	\$10,275,000	
Impact on Operating Budget	Negligible	

PROGRAM:	Various Small Diameter Sewer Line Replacements	CIP # 4189
PROGRAM CATEGORY	Rehabilitation	
PROJECT	Repairs to sanitary sewer lines and repair of Sunland Park at Doniphan line.	
Total Funding Request	\$200,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$200,000	
Total Project Cost	\$200,000 Annually	
Impact on Operating Budget	Negligible	

PROGRAM:	Small Plant Upgrades	CIP # 4208
PROGRAM CATEGORY	Rehabilitation	
PROJECT	This project will facilitate miscellaneous small capital improvements at all four wastewater treatment plants that are needed during the course of the fiscal year. This project serves to increase reliability of the wastewater treatment plants and keep up with maintenance, rehabilitation, and replacement needs.	
Total Funding Request	\$610,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$610,000	
Total Project Cost	\$610,000 Annually	
Impact on Operating Budget	Negligible	

PROGRAM:	Plant Emergencies	CIP # 4209
PROGRAM CATEGORY	Rehabilitation	
PROJECT	This project will facilitate emergency replacement and repair of key components at all four wastewater treatment plants that may be needed during the course of the fiscal year. Emergency funds are needed to ensure that the plants are maintained during emergencies and remain within permit limits.	
Total Funding Request	\$255,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$255,000	
Total Project Cost	\$255,000 Annually	
Impact on Operating Budget	Negligible	



PROGRAM:	Plant Process Optimization (Bustamante, Hickerson, Haskell)	CIP # 4224
PROGRAM CATEGORY	Rehabilitation	
PROJECT	Replace aeration diffusers at Haskell, Hickerson plants.	
Total Funding Request	\$5,732,000	
Funding Sources	IMP – \$487,000	
	BONDS – \$5,245,000	
FY 2016-17 Projected Expenditures	\$6,771,000	
Total Project Cost	\$6,771,000	
Impact on Operating Budget	Negligible	

PROGRAM:	Primary Clarifier Rehab	CIP # 4226
PROGRAM CATEGORY	Rehabilitation	
PROJECT	Multi-phase project consisting of four clarifiers. Work for each clarifier consists of demolishing and removing primary clarifier mechanism and install new mechanism for the 110-foot diameter by 9-foot deep plow type clarifier.	
Total Funding Request	\$2,777,000	
Funding Sources	IMP – \$177,000	
	BONDS – \$2,600,000	
FY 2016-17 Projected Expenditures	\$3,000,000	
Total Project Cost	\$7,600,000	
Impact on Operating Budget	Negligible	

PROGRAM:	Haskell WWTP & Fred Hervey WRP Emergency Power	CIP # 4231
PROGRAM CATEGORY	Rehabilitation	
PROJECT	Study and design emergency power generation requirements at Haskell and Fred Hervey WWTPs and power protection needs at all four wastewater treatment plants.	
Total Funding Request	\$1,129,000	
Funding Sources	IMP – \$129,000	
	CP – \$1,000,000	
FY 2016-17 Projected Expenditures	\$1,435,000	
Total Project Cost	\$2,435,000	
Impact on Operating Budget	<\$10,000/ Year	

PROGRAM:	Lift Station Replacement	CIP # 4301
PROGRAM CATEGORY	Rehabilitation	
PROJECT	Rehabilitation and emergency repair work to be performed mostly by EPWU section 620 crews on lift stations.	
Total Funding Request	\$850,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$850,000	
Total Project Cost	\$100,000 Annually	
Impact on Operating Budget	<\$10,000.	



PROGRAM:	Routine Lift Station Rehab (Sec 620) Emergency Cont.	CIP # 4307
PROGRAM CATEGORY	Rehabilitation	
PROJECT	Rehabilitation of existing lift stations in need of repair including Alfalfa, Inglewood, Montoya, Navarrete and Prado lift station.	
Total Funding Request	\$2,105,000	
Funding Sources	CP	
FY 2016-17 Projected Expenditures	\$2,105,000	
Total Project Cost	\$2,500,000.	
Impact on Operating Budget	<\$10,000.	

PROGRAM:	Grouse Street Force Main Assessment	CIP # 4309
PROGRAM CATEGORY	Rehabilitation	
PROJECT	Construct 4,200 lf of a new force main that will convey wastewater from the Grouse Lift Station to the Fred Hervey Reclamation Plant.	
Total Funding Request	\$2,568,000	
Funding Sources	IMP – \$225,000 CP – \$2,343,000	
FY 2016-17 Projected Expenditures	\$1,750,000	
Total Project Cost	\$2,568,000	
Impact on Operating Budget	Negligible	

PROGRAM:	Dallas Clearing of Utilities Phase 2	CIP # 4316
PROGRAM CATEGORY	Rehabilitation	
PROJECT	In conjunction with EPWU's stormwater plan to install adequate storm water facilities and clear existing stormwater conveyance systems of obstacles that may impede the conveyance of stormwater runoff several sanitary sewer mains must be relocated.	
Total Funding Request	\$800,000	
Funding Sources	CP	
FY 2016-17 Projected Expenditures	\$800,000	
Total Project Cost	\$800,000	
Impact on Operating Budget	Negligible	

PROGRAM:	Fred Hervey WRP Sludge Bed Liner Replacement	CIP # 4320
PROGRAM CATEGORY	Rehabilitation	
PROJECT	Modification and concrete line sludge liner beds. Permit application driven.	
Total Funding Request	\$2,190,000	
Funding Sources	CP	
FY 2016-17 Projected Expenditures	\$1,350,000	
Total Project Cost	\$2,190,000	
Impact on Operating Budget	Negligible	



PROGRAM:	Haskell WWTP Headworks Effluent Piping	CIP # 4324
PROGRAM CATEGORY	Rehabilitation	
PROJECT	Install 66-inch diameter diversion line between the plant headworks building and grit removal building inlet. Install hot tap connection on the 66-inch pipeline and 60-inch grit removal effluent line.	
Total Funding Request	\$2,560,000	
Funding Sources	CP	
FY 2016-17 Projected Expenditures	\$1,910,000	
Total Project Cost	\$2,560,000	
Impact on Operating Budget	Negligible	

PROGRAM:	Haskell WWTP Digester Heating	CIP # 4326
PROGRAM CATEGORY	Rehabilitation	
PROJECT	Improve heating of digesters at Haskell Plant to increase sludge digestion.	
Total Funding Request	\$840,000	
Funding Sources	IMP – \$70,000 CP – \$770,000	
FY 2016-17 Projected Expenditures	\$470,000	
Total Project Cost	\$870,000	
Impact on Operating Budget	<\$10,000	

PROGRAM:	Montana Avenue Sewer Main Replacement Phase II	CIP # 4329
PROGRAM CATEGORY	Rehabilitation	
PROJECT	Replace or rehab a 21-inch diameter sanitary sewer main that extends along Arizona and Rio Grande from Cotton Avenue to Rosewood Street.	
Total Funding Request	\$925,000	
Funding Sources	IMP – \$125,000 CP – \$800,000	
FY 2016-17 Projected Expenditures	\$925,000	
Total Project Cost	\$925,000	
Impact on Operating Budget	Negligible	

PROGRAM:	Line Relocation	CIP # 5100
PROGRAM CATEGORY	New Customer Facilities	
PROJECT	Line Relocation-Variou line relocations and upgrades as they conflict with other public projects.	
Total Funding Request	\$100,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$100,000	
Total Project Cost	\$100,000 Annually	
Impact on Operating Budget	None	



PROGRAM:	Supplement for Oversize Lines	CIP # 5200
PROGRAM CATEGORY	New Customer Facilities	
PROJECT	Supplement for Oversized Lines- Payment to developers toward master plan lines installed greater than 12-inch or greater than necessary to serve their development.	
Total Funding Request	\$350,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$350,000	
Total Project Cost	\$50,000 Annually	
Impact on Operating Budget	None	

PROGRAM:	Supplement for Individual Payments	CIP # 5300
PROGRAM CATEGORY	New Customer Facilities	
PROJECT	Supplement for Individual Payments-EPWU share of the line extension cost to serve new customers.	
Total Funding Request	\$300,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$100,000	
Total Project Cost	\$100,000	
Impact on Operating Budget	None	

PROGRAM:	Lines Financed by Contribution	CIP # 5400
PROGRAM CATEGORY	New Customer Facilities	
PROJECT	Lines Financed by Contribution- New customer paid for sewer extensions.	
Total Funding Request	\$25,000	
Funding Sources	IMP	
FY 2016-17 Projected Expenditures	\$25,000	
Total Project Cost	\$25,000 Annually	
Impact on Operating Budget	None	

PROGRAM:	Process Automation SCADA – Sewer	CIP # 7003
PROGRAM CATEGORY	Support Facilities	
PROJECT	Process Automation SCADA- Sewer- Upgrade SCADA Facilities at Lift Stations and Wastewater Treatment Plants.	
Total Funding Request	\$900,000	
Funding Sources	CP	
FY 2016-17 Projected Expenditures	\$600,000	
Total Project Cost	\$500,000 Annually	
Impact on Operating Budget	<\$5,000	



PROGRAM: Fred Hervey Water Reclamation Plant Access Road Assessment CIP # 8007

PROGRAM CATEGORY Other Major Capital Projects

PROJECT Construct 3.2 miles of 24' wide access roadway to the Fred Hervey WRP.

Total Funding Request \$250,000

Funding Sources IMP

FY 2016-17 Projected Expenditures \$250,000

Total Project Cost \$2,440,000

Impact on Operating Budget <\$10,000

PROGRAM: TXDOT Relocations

CIP # 6023

PROGRAM CATEGORY Wastewater Reuse Distribution System

PROJECT TXDOT Relocations- Relocations of lines required by TXDOT projects, including Border Highway West.

Total Funding Request \$1,550,000

Funding Sources IMP – \$200,000
CP – \$1,350,000

FY 2016-17 Projected Expenditures \$1,550,000

Total Project Cost \$1,550,000

Impact on Operating Budget <\$5,000

PROGRAM: UTEP Reclaimed Water Treatment System

CIP # 6025

PROGRAM CATEGORY Reclaimed Water

PROJECT Design a Reclaimed Water Scalping Plant at UTEP.

Total Funding Request \$400,000

Funding Sources IMP

FY 2016-17 Projected Expenditures \$400,000

Total Project Cost \$4,000,000

Impact on Operating Budget \$500,000/Annually

**EL PASO WATER UTILITIES/PUBLIC SERVICE BOARD
WATER AND WASTEWATER PROPOSED CAPITAL OUTLAY FOR
LIGHT, OFFICE and MISCELLANEOUS EQUIPMENT
FY 2016-17**

Item#	Section	# of Items	Item Description	Approved	Approved Light Capital
1	335	2	GPS UNITS	\$ 32,000	\$ 32,000
2	525	1	UV SPECTROPHOTOMETER	12,000	\$ 12,000
3	525	1	PERISTALTIC PUMP AUTOMATED BOD ANALYZER	9,000	\$ 9,000
4	525	2	DI WATER UNITS	15,000	\$ 15,000
5	630	2	RODDING MACHINES	22,000	\$ 22,000
6	630		CAMERA UNIT PARTS AND ACCESSORIES	25,000	\$ 25,000
7	690		SEWER AIR PLUGS VARIOUS SIZES	18,000	\$ 18,000
8	690	4	SUBMERSIBLE 3HP BY-PASS PUMPS (NEW)	8,000	\$ 8,000
9	690	1	HONDA PORTABLE GENERATOR (NEW)	9,000	\$ 9,000
10	690	3	BRIGGS AND STRATTON PORTABLE AIR BLOWERS (REPLACEMENTS)	9,000	\$ 9,000
11	690	2	LASER PIPE ALIGNERS (REPLACEMENTS)	14,000	\$ 14,000
12	915	1	ORDER PICKER LIFT	16,000	\$ 16,000
13	915	1	FLOOR SCRUBBER	24,000	\$ 24,000
Total Light, Office and Miscellaneous Equipment				\$ 213,000	

EL PASO WATER UTILITIES /PUBLIC SERVICE BOARD
SUMMARY OF PROPOSED CAPITAL OUTLAY FOR
NEW AND REPLACEMENT AUTOMOTIVE AND CONSTRUCTION EQUIPMENT
FY 2016-17

Section	Unit#	Description	Projected Mileage-Hours by 02-2017	Type of Vehicle	Estimated Cost
UTILITY VEHICLES					
120	109	2000 4 DOOR SEDAN	83,816	4 DOOR COMPACT SEDAN	\$16,200
150	7012	2007 COMPACT PICK-UP	200,621	1/2 TON PICK-UP	\$18,200
320	160	2005 1 TON VAN	156,354	1/2 TON 4 DOOR PICK-UP	\$26,000
320	1007	2007 1/2 TON PICK UP	176,436	1/2 TON PICK-UP	\$18,000
320	192	2001 4 DOOR SEDAN	77,407	4 DOOR COMPACT SEDAN	\$16,200
325	105	2003 1/2 TON 4 DR PICK-UP	87,567	1/2 TON 4 DOOR PICK-UP	\$25,700
325	32	2004 4 DOOR SEDAN	101,998	4 DOOR COMPACT SEDAN	\$16,200
410	407	2004 SPORT UTILITY	166,796	MID SIZE SUV 4X4	\$29,300
420	478	2005 1/2 TON PICK-UP	160,270	1/2 TON PICK-UP	\$18,000
420	4016	2007 1/2 TON PICK UP	152,299	1/2 TON PICK-UP	\$18,000
440	447	2004 2 TON 4 DR UTILITY	182,165	2 TON 4 DOOR UTILITY	\$83,000
440	455	2005 1 TON UTILITY	147,539	1 TON UTILITY	\$33,500
440	4023	2007 1 TON 4 DOOR UTILITY	263,365	1 TON 4 DOOR UTILITY	\$37,200
440	4025	2007 1 TON UTILITY	265,345	1 TON UTILITY	\$33,500
510	499	2001 4 DOOR SEDAN	80,636	4 DOOR COMPACT SEDAN	\$16,200
520	133	2005 1 TON VAN	152,095	COMPACT CARGO VAN	\$26,000
525	22	2004 COMPACT PICK-UP	120,852	1/2 TON PICK-UP	\$18,000
610	665	2001 4 DOOR SEDAN	68,661	4 DOOR COMPACT SEDAN	\$16,200
620	619	2005 1 TON UTILITY	172,193	1 TON UTILITY	\$33,500
630	615	2000 VACUUM JET RODDER C	19,672	VACUUM JET RODDER C	\$353,000
630	6011	2007 1 TON UTILITY	223,668	1 TON UTILITY	\$33,500
690	631	2004 2 TON 4 DR FLAT BED	147,760	2 TON 4 DR FLAT BED	\$83,000
720	795	2005 1/2 TON 4 DR PICK-UP	166,179	1/2 TON 4 DOOR PICK-UP	\$25,700
720	781	2005 COMPACT PICK-UP	172,548	COMPACT CARGO VAN	\$26,000
915	41	2005 1 1/2 TON UTILITY	255,419	2 TON UTILITY	\$80,000
916	9017	2001 5 TON DUMP	252,977	5 TON DUMP	\$102,600
916	9020	2001 5 TON DUMP	268,055	5 TON DUMP	\$102,600
917	37	2004 1 TON UTILITY	149,925	1 TON UTILITY	\$33,500
325	NEW			1/2 TON PICK-UP	\$18,000
325	NEW			1/2 TON PICK-UP	\$18,000
440	NEW			1/2 TON PICK-UP	\$18,000
440	NEW			1/2 TON PICK-UP	\$18,000
440	NEW			1 TON FLATBED TRUCK	\$33,000
470	NEW			ALL-TERRRAIN UTILITY VEHICLE	\$12,000
720	NEW			SUV TYPE VEHICLE	\$24,000
ESTIMATED TOTAL VEHICLE COST, ENTIRE UTILITY					\$ 1,479,800
MAINTENANCE & CONSTRUCTION EQUIPMENT					
440	350	1988 TRAILER COMPRESSOR	1,768	TRAILER COMPRESSOR	\$15,200
450	284	1999 FORKLIFT	2,237	FORKLIFT	\$70,000
450	207	1997 TRAILER PUMP 6"	4,084	TRAILER PUMP 6"	\$30,000
470	359	1993 FORKLIFT	6,011	FORKLIFT	\$70,000
670	360	1993 FORKLIFT	1,406	FORKLIFT	\$70,000
690	273	1994 TRAILER PUMP 4"	1,413	TRAILER PUMP 4"	\$12,000
690	252	2000 BORING MACHINE	202	BORING MACHINE	\$45,000
916	2024	1995 LOADER	13,845	LOADER	\$109,000
916	2026	1997 LOADER	11,715	LOADER	\$109,000
915	NEW			ARTICULATION BOOM LIFT	\$65,000
PAINTED DUNES				TORO 4500 D	\$32,000
PAINTED DUNES				FAIRWAY MOWER	\$36,000
PAINTED DUNES				SURROUNDS MOWER	\$18,000
ESTIMATED TOTAL EQUIPMENT COST					\$681,200.00
Estimated Total Vehicle and Equipment Cost					\$ 2,161,000
Less: Estimated Trade-in Value					\$ (166,000)
Net Cost to FY 2016-17 Budget					\$ 1,995,000